रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

RRB RPF CONSTABLE 2024

RPF Constable (Executive) | CEN RPF 02/2024

ENGLISH ANSWER KEY

Official Answer Key

All 36 Shifts · 02-03-2025 to 18-03-2025

Questions	120
Marking	+1 correct / -1/3 wrong
Duration	90 minutes
Sections	Arithmetic 35 · Reasoning 35 · General Awareness 50

Every paper is re-set from the saved RRB question paper, with the official correct answer marked.

HOW TO USE THIS BOOK

1. Open the INDEX on the next page.
2. Click any row to jump straight to that date and shift.
3. Correct options are ticked in green, wrong ones crossed in red.
4. Use the bookmarks panel of your PDF reader to move between shifts.

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Compiled 27 October 2026

INDEX · Click any row to open that paper

RRB RPF Constable 2024 (English) · 36 shifts

DAY	DATE	SHIFT	TIME	PAGE
Day 1	02-03-2025	Shift 1	09:00 - 10:30	4
Day 1	02-03-2025	Shift 2	12:30 - 14:00	23
Day 1	02-03-2025	Shift 3	16:00 - 17:30	42
Day 2	03-03-2025	Shift 1	09:00 - 10:30	61
Day 2	03-03-2025	Shift 2	12:30 - 14:00	82
Day 2	03-03-2025	Shift 3	16:00 - 17:30	102
Day 3	04-03-2025	Shift 1	09:00 - 10:30	121
Day 3	04-03-2025	Shift 2	12:30 - 14:00	141
Day 3	04-03-2025	Shift 3	16:00 - 17:30	161
Day 4	05-03-2025	Shift 1	09:00 - 10:30	181
Day 4	05-03-2025	Shift 2	12:30 - 14:00	202
Day 4	05-03-2025	Shift 3	16:00 - 17:30	222
Day 5	06-03-2025	Shift 1	09:00 - 10:30	241
Day 5	06-03-2025	Shift 2	12:30 - 14:00	260
Day 5	06-03-2025	Shift 3	16:00 - 17:30	279
Day 6	07-03-2025	Shift 1	09:00 - 10:30	299
Day 6	07-03-2025	Shift 2	12:30 - 14:00	319
Day 6	07-03-2025	Shift 3	16:00 - 17:30	338
Day 7	09-03-2025	Shift 1	09:00 - 10:30	358
Day 7	09-03-2025	Shift 2	12:30 - 14:00	378
Day 7	09-03-2025	Shift 3	16:00 - 17:30	398
Day 8	10-03-2025	Shift 1	09:00 - 10:30	418
Day 8	10-03-2025	Shift 2	12:30 - 14:00	438
Day 8	10-03-2025	Shift 3	16:00 - 17:30	458
Day 9	11-03-2025	Shift 1	09:00 - 10:30	477
Day 9	11-03-2025	Shift 2	12:30 - 14:00	497
Day 9	11-03-2025	Shift 3	16:00 - 17:30	517
Day 10	12-03-2025	Shift 1	09:00 - 10:30	537
Day 10	12-03-2025	Shift 2	12:30 - 14:00	557
Day 10	12-03-2025	Shift 3	16:00 - 17:30	577

INDEX · Click any row to open that paper

RRB RPF Constable 2024 (English) · 36 shifts

DAY	DATE	SHIFT	TIME	PAGE
Day 11	17-03-2025	Shift 1	09:00 - 10:30	596
Day 11	17-03-2025	Shift 2	12:30 - 14:00	616
Day 11	17-03-2025	Shift 3	16:00 - 17:30	635
Day 12	18-03-2025	Shift 1	09:00 - 10:30	656
Day 12	18-03-2025	Shift 2	12:30 - 14:00	675
Day 12	18-03-2025	Shift 3	16:00 - 17:30	694

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सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	02/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **Evaluate: 41 - [36 - {48 ÷ 2 - (4 - 8 ÷ 2) ÷ 3}]**

Ans
- ✔ A. 29
- ✘ B. 30
- ✘ C. 28
- ✘ D. 31

Q.2 **There are 4182 students in a school and the ratio of boys to girls in the school is 23 : 28, then find the number of boys in school.**

Ans
- ✘ A. 1890
- ✘ B. 1903
- ✔ C. 1886
- ✘ D. 1867

Q.3 **The volume of a cube is 6,58,503 cm^3. What is twice the length (in cm) of its side?**

Ans
- ✔ A. 174
- ✘ B. 84
- ✘ C. 86
- ✘ D. 166

Q.4 **Pinky bought 25 books at the rate of ₹14 each, 40 pens at the rate of ₹7 each and 15 pencils at the rate of ₹6 each. Calculate the average price (in ₹) of all the stationery goods.**

Ans
- ✔ A. 9
- ✘ B. 8
- ✘ C. 6
- ✘ D. 7

Q.5 **The price of a TV was ₹55,000 last year, and this year it is ₹42,500. Find the percentage decrease in price. (Rounded up to two decimal places)**

Ans
- ✔ A. 22.73%
- ✘ B. 15.50%
- ✘ C. 25.42%
- ✘ D. 72.23%

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Q.6 The monthly incomes of two friends Amit and Gopal, are in the ratio 5 : 7 respectively and each of them saves ₹72000 every month. If the ratio of their monthly expenditure is 2 : 3, find the monthly income of Amit(in ₹).

Ans

✗ A. 504000

✗ B. 361000

✓ C. 360000

✗ D. 359000

Q.7 Find the value of $\left(\frac{1}{7}\right)^{-4} + \left(\frac{1}{9}\right)^{-4} + \left(\frac{1}{5}\right)^{-4}$.

Ans

✗ A. 9578

✗ B. 9596

✓ C. 9587

✗ D. 9584

Q.8 The difference of two numbers is $\frac{1}{5}$ of their sum, and their sum is 45. Find the LCM.

Ans

✗ A. 27

✗ B. 45

✗ C. 36

✓ D. 54

Q.9 What is the rate percentage per annum if ₹4,800 amounts to ₹5,043 in 2 years when interest is compounded yearly?

Ans

✓ A. 2.5%

✗ B. 2.0%

✗ C. 5%

✗ D. 3%

Q.10 The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 110. Find the average of the remaining two numbers?

Ans

✗ A. 186

✓ B. 196.5

✗ C. 187

✗ D. 197.5

Q.11 Which of the following numbers is the greatest of all?

Ans

✗ A. $0.\overline{07}$

✓ B. $0.\overline{7}$

✗ C. 0.7

✗ D. $0.0\overline{7}$

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Q.12 **Abhay and Bharat can complete a certain piece of work in 9 and 11 days, respectively, They started to work together, and after 3 days, Bharat left. In how many days will Abhay complete the remaining work?**

Ans

✗ A. $\frac{115}{33}$

✗ B. $\frac{117}{35}$

✗ C. $\frac{116}{34}$

✓ D. $\frac{117}{33}$

Q.13 **The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 104. Find the average of the remaining two numbers?**

Ans

✗ A. 198.5

✗ B. 183

✗ C. 182

✓ D. 197.5

Q.14 **Prem sells an article to Ria at a profit of 20%. Ria sells the article back to Prem at a loss of 20%. In this transaction:**

Ans

✗ A. Prem makes a profit of 12%

✗ B. Ria incurs a loss of 12%

✓ C. Prem makes a profit of 25%

✗ D. Ria makes a profit of 24%

Q.15 Which of the following is the smallest fraction?

Ans

✗ A. $\frac{24}{35}$

✗ B. $\frac{11}{16}$

✗ C. $\frac{31}{45}$

✓ D. $\frac{17}{25}$

Q.16 Two pipes A and C can fill a tank in 10 hours and 15 hours respectively. If A is open all the time and C is open for 30 minutes, then find the time needed for the tank to be filled.

Ans

✗ A. $8\frac{4}{3}$ hours

✗ B. $8\frac{2}{3}$ hours

✓ C. $9\frac{2}{3}$ hours

✗ D. $9\frac{1}{3}$ hours

Q.17 **The perimeter of an equilateral triangle ABC is 10.2 cm. What is the area of the triangle ?**

Ans

✗ A. $18.9\sqrt{3}$ cm^2

✓ B. $2.89\sqrt{3}$ cm^2

✗ C. $1.89\sqrt{3}$ cm^2

✗ D. $28.9\sqrt{3}$ cm^2

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Q.18 **Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. David borrowed an amount of ₹360000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by David after 3 years.**

Ans

✗ A. 26500

✗ B. 28500

✓ C. 27000

✗ D. 28000

Q.19 **The value of**

$$6^3 - 5^2 + \left(\frac{24}{3}\right)^2 - 2 + 6 \times 1 = \_\_\_\_\_$$

Ans

✓ A. 259

✗ B. 261

✗ C. 264

✗ D. 265

Q.20 **A 250 m long train overtakes a man moving at a speed of 7 km/h (in same direction) in 36 seconds. How much time (in seconds) will it take this train to completely cross another 415 m long train, moving in the opposite direction at a speed of 82 km/h?**

Ans

✗ A. 31

✗ B. 30

✗ C. 17

✓ D. 21

Q.21 **An amount of ₹165 is divided among three persons in the ratio of 5 : 7 : 3. The difference between the largest and the smallest shares (in ₹) in the distribution is:**

Ans

✗ A. 11

✓ B. 44

✗ C. 139

✗ D. 130

Q.22 **A solid sphere of diameter 6 cm is melted and then cast into cylindrical wire of radius 0.3 cm. Find the length of the wire.**

Ans

✗ A. 65 cm

✓ B. 4 m

✗ C. 50 cm

✗ D. 3 m

Q.23 **A bus travelling at 55 km/h completes a journey in 8 hours. At what speed will it have to cover the same distance in 20 hours?**

Ans

✓ A. 22 km/h

✗ B. 32 km/h

✗ C. 30 km/h

✗ D. 15 km/h

Q.24 **Which of the following statements is NOT correct?**

Ans

✗ A. A number is divisible by 5 if the digit at unit place is 5 or 0.

✗ B. A number is divisible by 6 if the sum of its digits is divisible by 3 and the digit at unit place is an even digit.

✗ C. A number is divisible by 3 or 9 if the sum of digits is divisible by 3 or 9, respectively.

✓ D. A number is divisible by 11 if the sum of its digits is divisible by 11.

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Q.25 **A wholesaler purchases goods worth ₹25,000. The manufacturer offers a trade discount of 10% and an additional scheme discount of 5%. Calculate the net price of the goods after both discounts.**

Ans

✗ A. ₹22,375

✗ B. ₹21,365

✓ C. ₹21,375

✗ D. ₹21,275

Q.26 **The average of first 111 even numbers is**

Ans

✗ A. 111.5

✗ B. 113

✓ C. 112

✗ D. 112.5

Q.27 **Calculate the compound interest on ₹72,000 at the rate of 9% per annum for 18 months when interest is compounded half yearly (rounded off up to the nearest ₹).**

Ans

✗ A. ₹10,475

✗ B. ₹10,361

✗ C. ₹10,557

✓ D. ₹10,164

Q.28 **A number when increased by 50 %, gives 2490. The number is:**

Ans

✗ A. 3320

✗ B. 4980

✓ C. 1660

✗ D. 830

Q.29 **If two successive discounts of 8% and 9% are given, find the total discount percentage.**

Ans

✓ A. 16.28%

✗ B. 15.28%

✗ C. 20.28%

✗ D. 18.28%

Q.30 **Ravi bought a camera and paid 18% less than its original price. He sold it at 30% profit on the price he had paid. How much was the profit percentage earned by Ravi on the original price?**

Ans

✗ A. 6.2%

✗ B. 5.9%

✗ C. 5.7%

✓ D. 6.6%

Q.31 **A 120 m long train crosses a man walking at a speed of 8.5 km/h in the opposite direction in 12 seconds. What is the speed (in km/h) of the train?**

Ans

✗ A. 23.3

✗ B. 31.5

✗ C. 29.1

✓ D. 27.5

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Q.32 In a race, an athlete covers a distance of 366 m in 61 sec in the first lap. He covers the second lap of the same length in 183 sec. What is the average speed (in m/sec) of the athlete?

Ans
- ✔ A. 3
- ✘ B. 11
- ✘ C. 10
- ✘ D. 8

Q.33 A pipe can fill a tank in 6 hours. Another pipe can empty the filled tank in 30 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:

Ans
- ✔ A. 5
- ✘ B. 20
- ✘ C. 10
- ✘ D. 15

Q.34 The sum of 10 numbers is 276. Find their average.

Ans
- ✘ A. 26.6
- ✘ B. 25.6
- ✔ C. 27.6
- ✘ D. 28.6

Q.35 What is the smallest number which when divided by 36, 45 and 54, gives a remainder of 3 each time?

Ans
- ✘ A. 537
- ✘ B. 529
- ✘ C. 547
- ✔ D. 543

Section : General Intelligence and Reasoning

Q.36 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:
All shirts are jeans.
All jeans are ties.
No tie is a watch.

Conclusions:
I: All shirts are ties.
II: No jeans is a watch.

Ans
- ✘ A. Neither conclusion I nor II follows.
- ✘ B. Only conclusion II follows.
- ✘ C. Only conclusion I follows.
- ✔ D. Both conclusions I and II follow.

Q.37 What should come in place of '?' in the given series based on the English alphabetical order?

MOR KMP IKN GIL ?

Ans
- ✘ A. EHK
- ✘ B. EGK
- ✘ C. EHJ
- ✔ D. EGJ

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Q.38 **Seven people, E, F, G, H, X, Y and Z, are sitting in a row, facing north. Only two people sit to the left of G. Only three people sit between G and X. Only one person sits between X and Z. E sits to the immediate left of H. Y is not an immediate neighbor of X. How many people sit to the right of F?**

Ans

✗ A. Four

✗ B. Three

✗ C. Two

✓ D. One

Q.39 **In a certain code language,**
A + B means 'A is the mother of B'
A – B means 'A is the father of B'
A X B means 'A is the sister of B'
A / B means 'A is the brother of B'
A > B means 'A is the husband of B'
A * B means 'A is the wife of B'

How is K related to J if K – L – J X P * T?

Ans

✗ A. Son

✗ B. Father

✓ C. Father's father

✗ D. Brother

Q.40 **In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
11 - 121
1 - 1

Ans

✗ A. 4 - 64

✗ B. 2 - 8

✗ C. 14 - 169

✓ D. 9 - 81

Q.41 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All waffles are corianders.
All foams are corianders.
Conclusions:
(I): Some waffles are foams.
(II): Some corianders are foams.

Ans

✗ A. Only conclusion (I) follows.

✓ B. Only conclusion (II) follows.

✗ C. Neither conclusion (I) nor (II) follows.

✗ D. Both conclusions (I) and (II) follow.

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Q.42 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some pears are candles.
All foams are candles.
Conclusions:
(I): Some pears are foams.
(II): All candles are foams.

Ans
- ✗ A. Both conclusions (I) and (II) follow.
- ✗ B. Only conclusion (I) follows.
- ✓ C. Neither conclusion (I) nor (II) follows.
- ✗ D. Only conclusion (II) follows.

Q.43 **In a row of students in annual school parade, Adarsh is standing 8th from the right end and 15th from the left end. How many students are there in the parade line?**

Ans
- ✗ A. 21
- ✗ B. 24
- ✗ C. 23
- ✓ D. 22

Q.44 **Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. Only three people sit to the right of Q. Only C sits to the right of P. Only three people sit between P and E. D sits at some place to the left of R but at some place to the right of S. How many people sit between S and R?**

Ans
- ✗ A. One
- ✗ B. Two
- ✗ C. None
- ✓ D. Three

Q.45 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans
- ✓ A. TZU
- ✗ B. KQM
- ✗ C. QWS
- ✗ D. NTP

Q.46 **In a certain code language, 'cakes are delicious' is written as 'su do ku' and 'I like cakes' is coded as 'mu su ru'. How is 'cakes' coded in the given language?**

Ans
- ✓ A. su
- ✗ B. ru
- ✗ C. ku
- ✗ D. mu

Q.47 **Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.**
JIM : HKI
DCJ : BEF

Ans
- ✗ A. QGT : OIW
- ✗ B. VEF : THB
- ✓ C. OHW : MJS
- ✗ D. OBL : MEH

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Q.48 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

TBL 29, YYQ 26, DVV 23, ISA 20, ?

Ans

✗ A. DPV 17

✗ B. DVP 19

✓ C. NPF 17

✗ D. NVF 19

Q.49 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

MVR : NWS
DWE : EXF

Ans

✓ A. OLS : PMT

✗ B. BSI : DGY

✗ C. WCH : XDL

✗ D. GTR : HLO

Q.50 **Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only two people sit between D and B. Only C sits to the right of F. Only one person sits between B and F. E sits at some place to the right of A but at some place to the left of G. How many people sit between A and B?**

Ans

✗ A. 3

✗ B. 4

✗ C. 2

✓ D. 1

Q.51 **In a certain code language, 'CAGE' is coded as '4982', 'GAIN' is coded as '7418' and 'NILE' is coded as '3179'. What is the code for 'L' in the given code language?**

Ans

✓ A. 3

✗ B. 1

✗ C. 9

✗ D. 7

Q.52 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

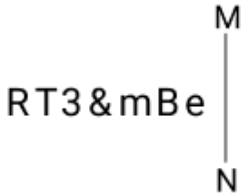
✗ A. TY:AF

✓ B. DI:KQ

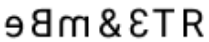
✗ C. WB:DI

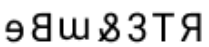
✗ D. MR:TY

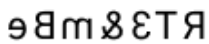
Q.53

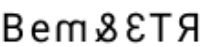


Ans

✗ A. 

✗ B. 

✓ C. 

✗ D. 

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Q.54 What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '×' and '–' are interchanged?
15 ÷ 27 x 14 + 7 - 10 = ?

Ans
- ✗ A. 32
- ✗ B. 12
- ✗ C. 42
- ✓ D. 22

Q.55 A, F, J, K, P and Q live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. K lives immediately above P. Only two people lives between F and P. F lives on an odd numbered floor below P. Q lives immediately above J. How many people live below A?

Ans
- ✓ A. Five
- ✗ B. Four
- ✗ C. One
- ✗ D. Two

Q.56 What should come in place of '?' in the given series based on the English alphabetical order?

PZN, MXJ, JVF, GTB,?

Ans
- ✗ A. DRD
- ✗ B. DQX
- ✓ C. DRX
- ✗ D. DRC

Q.57 What should come in place of the question mark (?) in the given series?

22 32 43 55 68 ?

Ans
- ✓ A. 82
- ✗ B. 92
- ✗ C. 72
- ✗ D. 102

Q.58 What should come in place of the question mark (?) in the given series?

150 132 112 90 66 ?

Ans
- ✗ A. 50
- ✓ B. 40
- ✗ C. 30
- ✗ D. 20

Q.59 Jeevan starts from Point A and drives 2 km towards the north. He then takes a left turn, drives 5 km, turns left and drives 3 km. He then takes a left turn and drives 6 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)

Ans
- ✓ A. 1 km to the west
- ✗ B. 3 km to the east
- ✗ C. 4 km to the east
- ✗ D. 2 km to the west

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Q.60 **Refer to the following series and answer the question (all numbers are single digit numbers only).**
(Left) 5 6 9 7 4 5 3 7 8 3 4 2 1 5 7 9 8 1 2 3 4 3 6 2 1 5 7 (Right)
How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans
- ✗ A. 1
- ✓ B. 2
- ✗ C. 3
- ✗ D. 4

Q.61 **This question is based on the five, three-digit numbers given below.**

(Left) 325 846 483 215 468 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

Ans
- ✓ A. 5
- ✗ B. 3
- ✗ C. 7
- ✗ D. 9

Q.62 **What will come in the place of the question mark (?) in the following equation if '2' and '5' are interchanged and '9' and '3' are interchanged?**

2 – 12 ÷ 9 × 3 + 5 =?

Ans
- ✗ A. 3
- ✗ B. -19
- ✓ C. -29
- ✗ D. -11

Q.63 **What will come in the place of the question mark (?) in the following equation if '4' and '5' are interchanged?**

20 ÷ 4 + 5 × 10 = ?

Ans
- ✗ A. 100
- ✗ B. 55
- ✓ C. 44
- ✗ D. 80

Q.64 **Suraj starts from Point A and drives 6 km towards north. He then takes a right turn, drives 5 km, turns right and drives 9 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✗ A. 5 km to the west
- ✗ B. 6 km to the west
- ✓ C. 6 km to the east
- ✗ D. 5 km to the east

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Q.65 **This question is based on the five, three-digit numbers given below.**

(Left) 482 254 371 273 463 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans

✔ A. 7

✘ B. 8

✘ C. 6

✘ D. 9

Q.66 **QTUY is related to WZAE in a certain way based on the English alphabetical order. In the same way, WZAE is related to CFGK. To which of the given options is ILMQ related, following the same logic?**

Ans

✔ A. ORSW

✘ B. OSRT

✘ C. ORRW

✘ D. OQRW

Q.67 **In a certain code language, 'KIND' is coded as '2861', 'SAND' is coded as '9658' and 'SICK' is coded as '7932'. What is the code for 'A' in the given code language?**

Ans

✘ A. 6

✔ B. 5

✘ C. 9

✘ D. 8

Q.68



Ans

✘ A.



✘ B.



✘ C.



✔ D.



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Q.69 **What should come in place of the question mark (?) in the given series?**

47 56 74 101 137 ? 236

Ans

✗ A. 186

✓ B. 182

✗ C. 184

✗ D. 180

Q.70 **In a certain code language,**
A * B means 'A is the brother of B'
A ? B means 'A is the father of B'
A : B means 'A is the son of B'
A = B means ' A is the wife of B'
Based on the above, how is M related to E if 'M : A = R * K ? E'?

Ans

✗ A. Father's mother's son

✗ B. Father's sister's sister

✓ C. Father's brother's son

✗ D. Father's son's brother

Section : **General Awareness**

Q.71 **Which of the following mountain passes connects India with China?**

Ans

✗ A. Rohtang Pass

✗ B. Thal Ghat

✗ C. Zoji La

✓ D. Nathula

Q.72 **Presently, which of the following advanced molecular methods is used to develop crops with enhanced traits and resilience?**

Ans

✗ A. Artificial pollination

✓ B. CRISPR-Cas9 gene editing

✗ C. Natural selection

✗ D. Hybrid seed technology

Q.73 **In October 2024, HDFC Bank officially announced the divestment of its entire 100% stake in HDFC Education and Development Services Pvt. Ltd (HDFC Edu) to Vama Sundari Investments for ₹192 crore. What is the price per share for this transaction?**

Ans

✗ A. ₹5.60 per share

✓ B. ₹9.60 per share

✗ C. ₹10.80 per share

✗ D. ₹8.40 per share

Q.74 **Which Finance Minister in 1991 initiated a series of reforms that freed up the Indian economy and put the country on a strong growth path?**

Ans

✗ A. Chandra Shekhar

✓ B. Manmohan Singh

✗ C. Yashwant Sinha

✗ D. P Chidambaram

Q.75 **Slash and Burn agriculture is known as _____ in Madhya Pradesh.**

Ans

✗ A. Koman

✗ B. Pama Dabi

✓ C. Dahiya

✗ D. Bringa

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Q.76 **Articles 36 to 51 containing 'Directive Principles of State Policy' come under which Part of the Constitution?**

Ans
- ✔ A. Part IV
- ✘ B. Part II
- ✘ C. Part III
- ✘ D. Part V

Q.77 **In November 2024, RBI cancelled the certificate of registration of which of the following non-banking financial companies?**

Ans
- ✘ A. Bajaj Finserv and CITI Bank
- ✔ B. Ulhas Securities Pvt. Ltd. and Sikar Investment Co. Ltd.
- ✘ C. CITI Bank and LIC
- ✘ D. LIC and Ulhas Investment Ltd.

Q.78 **In which city of UAE is IIT Madras set to launch its first international flagship centre for research, innovation and entrepreneurship as early as 2025?**

Ans
- ✘ A. Sharjah
- ✔ B. Dubai
- ✘ C. Abu Dhabi
- ✘ D. Fujairah

Q.79 **Which of the following Articles of the Constitution was amended to include the Right to Education as a Fundamental Right?**

Ans
- ✔ A. Article 21
- ✘ B. Article 19
- ✘ C. Article 30
- ✘ D. Article 18

Q.80 **Which Schedule of the Indian Constitution outlines the allocation of seats in the Council of States?**

Ans
- ✘ A. Sixth Schedule
- ✘ B. Fifth Schedule
- ✔ C. Fourth Schedule
- ✘ D. Seventh Schedule

Q.81 **How many new criminal laws has the Indian Government implemented from July 1, 2024?**

Ans
- ✘ A. 4
- ✔ B. 3
- ✘ C. 2
- ✘ D. 5

Q.82 **The areas in which children grow are _____.**
1. Physical
2. Psychological
3. Social Cultural
4. Sexual

Ans
- ✔ A. 1, 2 and 4 only
- ✘ B. 2, 3 and 4 only
- ✘ C. 1, 2 and 3 only
- ✘ D. 1, 2, 3 and 4

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Q.83 **What was the major impact of British policies on Indian handicrafts?**

Ans

✗ A. Modernisation of traditional crafts

✓ B. Decline due to competition with British goods

✗ C. Flourishing export markets

✗ D. Support for indigenous industries

Q.84 **Which agency in India is responsible for formulating the Five Year Plans?**

Ans

✗ A. Ministry of Finance

✗ B. National Development Council

✓ C. Planning Commission (up to 2014)

✗ D. Reserve Bank of India

Q.85 **The Gangaur festival of Rajasthan, which is devoted to Goddess Parvati, lasts for ____ days.**

Ans

✗ A. 21

✗ B. 15

✓ C. 18

✗ D. 12

Q.86 **On 21 September 2024, the fourth Quad Leaders' Summit was hosted by President Joseph R Biden, Jr. in Wilmington, Delaware. Which of the following areas was NOT a focus of the Quad's initiatives discussed during the Summit?**

Ans

✗ A. Strengthening maritime security

✗ B. Climate change response

✓ C. Military defense cooperation

✗ D. Cybersecurity development

Q.87 **Which of the following editions of India-Australia Maritime Security Dialogue was held on 13 August 2024 in Canberra?**

Ans

✗ A. 1. 3rd

✗ B. 2. 4th

✗ C. 3. 1st

✓ D. 4. 6th

Q.88 **The Development of Women and Children in Rural Areas (DWCRA) program was launched in the year _____.**

Ans

✗ A. 1985

✗ B. 1981

✗ C. 1980

✓ D. 1982

Q.89 **The 3rd step of the Carnot cycle is:**

Ans

✓ A. reversible isothermal compression

✗ B. reversible isothermal expansion

✗ C. reversible adiabatic expansion

✗ D. reversible adiabatic compression

Q.90 **In which year did the 'Manipur Sangai Festival' start, which is named after the state animal, sangai?**

Ans

✓ A. 2010

✗ B. 2015

✗ C. 2005

✗ D. 2020

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Q.91 **What was the average (median) Cash Reserve Ratio (CRR) in India from September 1962 to 30 October 2024?**

Ans

✔ A. 4.000%

✘ B. 3.000%

✘ C. 4.200%

✘ D. 4.500%

Q.92 **Which of the following statements about the role of women is correct, in the revolt of 1857?**

Ans

✔ A. Women like Rani Lakshmibai and Begum Hazrat Mahal played key roles.

✘ B. Women were forced to support the British in the revolt.

✘ C. Only Rani Lakshmibai of Jhansi participated in the revolt.

✘ D. Women did not take part in the revolt at any level.

Q.93 **The Reserve Bank of India (RBI) established an eight-member committee to develop a Framework for Responsible and Ethical AI (FREE-AI) adoption in the financial sector in December 2024. Who is the chairperson of this committee?**

Ans

✘ A. Raghuram Rajan

✔ B. Pushpak Bhattacharyya

✘ C. Urjit Patel

✘ D. Arvind Subramanian

Q.94 **On 3 February 1925, the first electric train in India ran between which two stations?**

Ans

✘ A. Chennai and Bangalore

✘ B. Howrah and Raniganj

✘ C. Delhi and Agra

✔ D. Bombay VT and Kurla Harbour

Q.95 **Which of the following countries signed a bilateral Customs Cooperation Arrangement agreement in August 2024?**

Ans

✔ A. India and New Zealand

✘ B. Singapore and New Zealand

✘ C. India and Singapore

✘ D. New Zealand and Bhutan

Q.96 **When cotton and rubber are rubbed together, it will result in which of the following?**

Ans

✘ A. Cotton and rubber will be negatively charged.

✔ B. Cotton will be positively charged and rubber negatively charged.

✘ C. Rubber will be positively charged and cotton negatively charged.

✘ D. Cotton and rubber will be positively charged.

Q.97 **According to the Constitution of India, who conducts the Election of the Vice-President of India?**

Ans

✘ A. The Parliament of India

✘ B. The Legislative Assemblies of all States

✘ C. The Legislature Councils of all States

✔ D. The Election Commission of India

Q.98 **Which type of unemployment occurs when there is a mismatch between skills and job requirements?**

Ans

✘ A. Frictional

✔ B. Structural

✘ C. Seasonal

✘ D. Cyclical

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Q.99 **At which place was a resolution declared, demanding the immediate end of British rule which was passed by the All-India Congress Committee on 8 August 1942?**

Ans

✔ A. Bombay

✘ B. Amritsar

✘ C. Ahmedabad

✘ D. Nagpur

Q.100 **Who was one of the British officers whose forces defeated Nana Sahib's rebel force during the First War of Independence in 1857?**

Ans

✘ A. John Nicholson

✔ B. Major General Havelock

✘ C. General Hugh Rose

✘ D. Henry Lawrence

Q.101 **On 22 October 2024, the Reserve Bank updated its 'alert list' of unauthorised forex trading platforms by adding how many more entities?**

Ans

✔ A. 13

✘ B. 9

✘ C. 11

✘ D. 16

Q.102 **Which of the following officers was known as Akaradhyaksha during the Mauryan period?**

Ans

✘ A. Superintendent of Iron

✔ B. Superintendent of Mines

✘ C. Superintendent of Market

✘ D. Officer in-charge of Agriculture

Q.103 **Which Directive Principle of State Policy focuses on the provision of just and humane conditions for work?**

Ans

✘ A. Article 47

✘ B. Article 50

✔ C. Article 42

✘ D. Article 51

Q.104 **On which day did Union Home Minister Amit Shah inaugurate the 'Run for Unity' event in New Delhi as part of National Unity Day?**

Ans

✘ A. 21 October 2024

✘ B. 31 October 2024

✘ C. 25 October 2024

✔ D. 29 October 2024

Q.105 **GM _____ clinched the Chennai Grand Masters 2024 title.**

Ans

✘ A. Pentala Harikrishna

✘ B. Vidit Gujrathi

✘ C. Praggnanadhaa R

✔ D. Aravindh Chithambaram

Q.106 **10^{-9} m = ____ Å.**

Ans

✘ A. 0.1

✘ B. 1

✘ C. 100

✔ D. 10

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Q.107 **Malwa plateau lies to the north of the _____ river.**

Ans

✗ A. Luni

✗ B. Son

✓ C. Narmada

✗ D. Beas

Q.108 **In which of the following regions is the Karakoram Range located?**

Ans

✗ A. North-eastern India

✗ B. Southern India

✗ C. Eastern India

✓ D. Northern India

Q.109 **The Swaran Singh Committee recommendation added which of the following to the Indian Constitution?**

Ans

✗ A. Directive Principles of State Policy

✗ B. Preamble

✗ C. Fundamental Rights

✓ D. Fundamental Duties

Q.110 **Which prominent Indian economist, known for his role as Chairman of the Economic Advisory Council to the Prime Minister, passed away on 1st November 2024 at the age of 69 years?**

Ans

✗ A. Raghuram Rajan

✗ B. Manmohan Singh

✓ C. Bibek Debroy

✗ D. C Rangarajan

Q.111 **What is one effect of liberalisation in the industrial sector?**

Ans

✗ A. Higher import taxes

✗ B. Complete government control

✗ C. Fewer job opportunities

✓ D. Increased competition

Q.112 **When did the Britishers recapture Delhi after the First War of Independence?**

Ans

✗ A. September 1859

✗ B. September 1858

✓ C. September 1857

✗ D. September 1860

Q.113 **In which month is the Elephanta festival organised every year by the Maharashtra Tourism Development Corporation (MTDC) to promote Mumbai tourism and culture?**

Ans

✗ A. August

✓ B. February

✗ C. January

✗ D. July

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Q.114 **Match the items in List I with those in List II, and select the correct answer using the codes provided below.**

List I (Elephant Corridors) List II (State)
(1) Durpong-Doimukh at Khundakhuwa (A) Andhra Pradesh
(2) Deosur Corridor (B) Assam
(3) Jamui- Jhajha- Chakayi (C) Bihar
(4) Nagdhara-Baraud (D) Chhattisgarh

Ans
✗ A. 1-(D), 2-(B), 3-(C), 4-(A)
✓ B. 1-(A), 2-(B), 3-(C), 4-(D)
✗ C. 1-(B), 2-(A), 3-(C), 4-(D)
✗ D. 1-(A), 2-(B), 3-(D), 4-(C)

Q.115 **Which state was the largest producer of sugarcane in India during 2023-24 according to the Directorate of Sugarcane Development?**

Ans
✗ A. Maharashtra
✗ B. Karnataka
✓ C. Uttar Pradesh
✗ D. Tamil Nadu

Q.116 **The term of office for the Chief Election Commissioner of India is:**

Ans
✗ A. 5 years or up to 70 years of age, whichever is earlier
✗ B. 5 years or up to 65 years of age, whichever is earlier
✓ C. 6 years or up to 65 years of age, whichever is earlier
✗ D. 6 years or up to 70 years of age, whichever is earlier

Q.117 **Magnetic field lines represent the path along which _____.**

Ans
✗ A. a free electron would tend to move
✗ B. a free proton would tend to move
✗ C. a hypothetical free south pole would tend to move
✓ D. a hypothetical free north pole would tend to move

Q.118 **Who was responsible for District administration in the Maurya empire?**

Ans
✓ A. Pradeshika
✗ B. Yukta
✗ C. Koshadhyaksha
✗ D. Purohit

Q.119 **Which festival is dedicated to the worship of Lord Jagannath?**

Ans
✗ A. Deepawali
✗ B. Vasant Panchami
✗ C. Shivratri
✓ D. Rath Yatra

Q.120 **Keeping the linear velocity of a particle moving in a circular path constant, as the radius of the circular path decreases, the centripetal acceleration:**

Ans
✗ A. remains the same
✗ B. decreases
✓ C. increases
✗ D. decreases initially and then increases

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	02/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **On an item with marked price ₹180, 15% discount and a cashback of ₹25 is offered. The selling price of the item is ₹____.**

Ans
- ✗ A. 142
- ✗ B. 120
- ✗ C. 135
- ✓ D. 128

Q.2 **A can do a piece of work in 10 days. B can do it in 15 days. With the assistance of C, they completed the work in 2 days. C alone can do it in _____days.**

Ans
- ✓ A. 3
- ✗ B. 2
- ✗ C. 4
- ✗ D. 5

Q.3 **The average of first 103 even numbers is**

Ans
- ✗ A. 103.5
- ✓ B. 104
- ✗ C. 104.5
- ✗ D. 105

Q.4 **Find the compound interest on ₹80,000 at 10% per annum for 2 year**

Ans
- ✓ A. ₹18,800
- ✗ B. ₹20,800
- ✗ C. ₹16,800
- ✗ D. ₹22,800

Q.5 **The value of**

$$9^3 - 2^2 + \left(\frac{38}{19}\right)^2 - 8 + 2 \times 9 = \_\_\_\_\_$$

Ans
- ✗ A. 744
- ✓ B. 739
- ✗ C. 742
- ✗ D. 743

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Q.6 **Evaluate: 41 - [36 - {48 ÷ 2 - (6 - 12 ÷ 2) ÷ 2}]**

Ans

✗ A. 31

✓ B. 29

✗ C. 28

✗ D. 30

Q.7 **In a race, an athlete covers a distance of 372 m in 186 sec in the first lap. He covers the second lap of the same length in 62 sec. What is the average speed (in m/sec) of the athlete?**

Ans

✗ A. 1

✗ B. 4

✗ C. 2

✓ D. 3

Q.8 **A shopkeeper sold his goods at half the list price and thus lost 14%. If he had sold them at the listed price, his gain percentage would be ____.**

Ans

✓ A. 72%

✗ B. 36%

✗ C. 14%

✗ D. 86%

Q.9 **In what ratio should sugar costing ₹84 per kg be mixed with sugar costing ₹59 per kg so that by selling the mixture at ₹73.7 per kg, there is a profit of 10%?**

Ans

✗ A. 6 : 15

✓ B. 8 : 17

✗ C. 7 : 19

✗ D. 6 : 18

Q.10 **The sum of 8 numbers is 804. Find out the average.**

Ans

✓ A. 100.5

✗ B. 98.5

✗ C. 101.5

✗ D. 99.5

Q.11 **A 275 m long train overtakes a man moving at a speed of 6 km/h (in same direction) in 45 seconds. How much time (in seconds) will it take this train to completely cross another 280 m long train, moving in the opposite direction at a speed of 26 km/h?**

Ans

✗ A. 24

✗ B. 44

✗ C. 28

✓ D. 37

Q.12 **Find the largest number which divides 203, 359, 437 and 593 leaving remainder 8 in each case.**

Ans

✗ A. 23

✓ B. 39

✗ C. 12

✗ D. 47

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Q.13 An amount of ₹50,000 would become ₹_____ at 20% per annum compound interest, compounded annually, in 4 years.

Ans
- ✗ A. 1,08,630
- ✗ B. 1,06,380
- ✗ C. 1,00,638
- ✓ D. 1,03,680

Q.14 A man riding on a bicycle at a speed of 21 km/h crosses a bridge in 6 minutes. Find the length of the bridge?

Ans
- ✗ A. 6.1 km
- ✗ B. 5.1 km
- ✓ C. 2.1 km
- ✗ D. 4.5 km

Q.15 A merchant permits a 24% discount on his advertised price and then makes a profit of 20%. What is the advertised price on which he gains ₹76?

Ans
- ✗ A. ₹650
- ✓ B. ₹600
- ✗ C. ₹480
- ✗ D. ₹560

Q.16 A company earns a profit (in ₹) that is distributed among the company's three partners in the ratio of 10 : 4 : 13. If the difference between the smallest and the largest shares is ₹30545, the total profit (in ₹) of the company is:

Ans
- ✗ A. 91613
- ✗ B. 91550
- ✗ C. 91552
- ✓ D. 91635

Q.17 Nirmal bought 52 books for Rs 1130 from one shop and 47 books for Rs 900 from another. What is the average price (in Rs) he paid per book ?

Ans
- ✗ A. 1030.81
- ✓ B. 1020.81
- ✗ C. 1035.81
- ✗ D. 1010.81

Q.18 After 63 litres of petrol was poured into an empty storage tank, it was still 1% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?

Ans
- ✗ A. 64.64
- ✓ B. 63.64
- ✗ C. 62.64
- ✗ D. 64

Q.19 Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. David borrowed an amount of ₹480000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by David after 4 years.

Ans
- ✗ A. 47500
- ✓ B. 48000
- ✗ C. 49000
- ✗ D. 49500

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Q.20 A number 30000 is increased successively by 10%, 20% and 30%. F

Ans

✗ A. 65.6%

✗ B. 61.6%

✓ C. 71.6%

✗ D. 75.6%

Q.21 **P can do a piece of work in 48 days, which Q can do in 18 days. Q worked at it for 15 days. P can finish the remaining work in:**

Ans

✓ A. 8 days

✗ B. 3 days

✗ C. 9 days

✗ D. 6 days

Q.22 **A gardener has 1826 red flowers and 2486 yellow flowers. He wants to arrange them into the largest possible equal groups such that each group has the same number of red and yellow flowers. What is the maximum number of flowers in each group?**

Ans

✗ A. 33

✗ B. 11

✗ C. 10

✓ D. 22

Q.23 $\left[\left(\frac{7}{6}\right)^{-9} \times \left(\frac{6}{7}\right)^{-5} \times \left(\frac{1}{8}\right)^{-4} \right]^{-5}$

Ans

✗ A. $\left(\frac{48}{7}\right)^{22}$

✗ B. $\left(\frac{7}{58}\right)^{20}$

✓ C. $\left(\frac{7}{48}\right)^{20}$

✗ D. $\left(\frac{9}{48}\right)^{19}$

Q.24 Simplify $(\frac{2}{3} \times \frac{6}{5}) + (\frac{12}{25} \times \frac{20}{3})$.

Ans

✗ A. $\frac{3}{5}$

✗ B. 3

✓ C. 4

✗ D. $\frac{12}{5}$

Q.25 **Find the area (in cm^2) of a rhombus whose diagonals are of lengths 47 cm and 48 cm.**

Ans

✗ A. 1116

✗ B. 1100

✓ C. 1128

✗ D. 1028

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Q.26 A milkman professes to sell his milk at cost price but he mixes it with water and thereby gains 40%. Find the percentage of water in the mixture (rounded to one decimal place).

Ans

✗ A. 27%

✓ B. 28.6%

✗ C. 27.5%

✗ D. 28%

Q.27 A 646 m long train crosses a man walking at a speed of 4.5 km/h in the opposite direction in 24 seconds. What is the speed (in km/h) of the train?

Ans

✓ A. 92.4

✗ B. 96.8

✗ C. 91.1

✗ D. 89.3

Q.28 Abhay and Bharat can complete a certain piece of work in 17 and 10 days, respectively, They started to work together, and after 3 days, Bharat left. In how many days will Abhay complete the remaining work?

Ans

✓ A. $\frac{1513}{170}$

✗ B. $\frac{1513}{172}$

✗ C. $\frac{1511}{170}$

✗ D. $\frac{1515}{171}$

Q.29 A shopkeeper allows his customers 8% off on the marked price of goods and still gets a profit of 19.6%. What is the actual cost of an article marked ₹5,200?

Ans

✗ A. ₹4,500

✗ B. ₹4,150

✓ C. ₹4,000

✗ D. ₹4,350

Q.30 The dimensions of a rectangular solid are 41 cm × 40 cm × 9 cm. What is its surface area (in cm^2)?

Ans

✗ A. 4,733

✓ B. 4,738

✗ C. 4,783

✗ D. 4,788

Q.31 How many numbers up to 310 are divisible by 8?

Ans

✗ A. 32

✓ B. 38

✗ C. 37

✗ D. 39

Q.32 2% of 5% of a number is what percentage of that number?

Ans

✗ A. 0.01

✗ B. 10

✗ C. 7

✓ D. 0.1

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Q.33 Find the reciprocal of the sum of the reciprocals of the given numbers.

$\frac{2}{5}, \frac{5}{4}, \frac{6}{8}, \frac{6}{5}, \frac{9}{6}$

Ans
- ✗ A. $\frac{82}{15}$
- ✗ B. $\frac{62}{15}$
- ✗ C. $\frac{72}{15}$
- ✓ D. $\frac{92}{15}$

Q.34 Find the surface area of a sphere whose diameter is equal to 88 cm.

Ans
- ✗ A. 1. 7261π cm^2
- ✓ B. 2. 7744π cm^2
- ✗ C. 3. 7269π cm^2
- ✗ D. 4. 6757π cm^2

Q.35 There are 9306 students in a school and the ratio of boys to girls in the school is 41 : 25, then find the number of boys in school.

Ans
- ✗ A. 5766
- ✗ B. 5774
- ✓ C. 5781
- ✗ D. 5785

Section : **General Intelligence and Reasoning**

Q.36 What will come in the place of '?' in the following equation, if '−' and '÷' are interchanged and '×' and '+' are interchanged?
55 ÷ 25 − 5 + 15 × 10 = ?

Ans
- ✗ A. -25
- ✗ B. -20
- ✓ C. -10
- ✗ D. 10

Q.37 In a certain code language,
'A ? B' means 'A is the wife of B',
'A × B' means 'A is the brother of B',
'A : B' means 'A is the father of B' and
'A − B' means 'A is the son of B'.

How is L related to M if 'E − G ? L : K × M'?

Ans
- ✗ A. Mother
- ✓ B. Father
- ✗ C. Brother
- ✗ D. Son

Q.38 In a row of people all facing North, Harry is 8th from the right end. Ben is 19th from the right end. Ben is exactly between Harry and Loin. If Loin is 7th from the left end of the line, how many people are there in the row?

Ans
- ✗ A. 37
- ✗ B. 34
- ✗ C. 35
- ✓ D. 36

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Q.39 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All hens are mangoes.
All hens are shrimps.
All ducks are shrimps.
Conclusions:
(I): All ducks are mangoes.
(II): Some shrimps are mangoes.

Ans
- ✗ A. Both conclusions (I) and (II) follow.
- ✗ B. Neither conclusion (I) nor (II) follows.
- ✓ C. Only conclusion (II) follows.
- ✗ D. Only conclusion (I) follows.

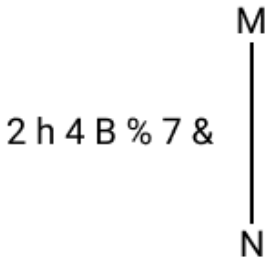
Q.40 **Refer to the following series and answer the question (all numbers are single digit numbers only).**
(Left) 4 2 1 5 7 9 8 7 3 4 3 5 6 2 1 5 1 5 2 8 5 6 9 7 4 7 3 (Right)
How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

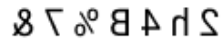
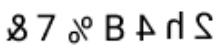
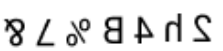
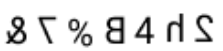
Ans
- ✗ A. 6
- ✗ B. 4
- ✗ C. 7
- ✓ D. 5

Q.41 **Seven friends C, D, E, P, Q, R and S are sitting around a circular table facing the centre of the table. Only three people sit between P and C when counted from the right of C. Only three people sit between R and D when counted from the right of D. E sits to the immediate right of R. S is an immediate neighbour of D as well as C. How many people sit between S and Q when counted form the right of S?**

Ans
- ✗ A. None
- ✗ B. Two
- ✗ C. Three
- ✓ D. One

Q.42



Ans
- ✓ A. 
- ✗ B. 
- ✗ C. 
- ✗ D. 

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Q.43 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) @ 3 5 9 ^ % 4 $ \ @ 4 \ $ < < 6 > / 8 < & (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

Ans

✔ A. Four

✘ B. Three

✘ C. One

✘ D. Two

Q.44 **FINX is related to GKOV in a certain way based on the English alphabetical order. In the same way, JQRP is related to KSSN. To which of the following is MWUJ related, following the same logic?**

Ans

✘ A. PYNH

✘ B. KMNB

✔ C. NYVH

✘ D. JYNG

Q.45 **Varun starts from Point A and drives 7 km towards north. He then takes a left turn, drives 4 km, turns left and drives 9 km. He then takes a left turn and drives 8 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✔ A. 4 km to the west

✘ B. 3 km to the west

✘ C. 4 km to the east

✘ D. 3 km to the east

Q.46 **In a certain code language,**
'A : B' means 'A is the wife of B',
'A × B' means 'A is the brother of B',
'A < B' means 'A is the father of B' and
'A + B' means 'A is the mother of B'.

How is B related to J if 'B : D < F + H × J'?

Ans

✘ A. Mother's brother

✘ B. Mother's father

✘ C. Mother's daughter

✔ D. Mother's mother

Q.47 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✘ A. MMQ

✘ B. TTX

✔ C. GGJ

✘ D. HHL

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Q.48 **Ajay starts from Point A and drives 6 km towards the east. He then takes a left turn, drives 7 km, turns left and drives 8 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans

✔ A. 2 km to the north

✘ B. 3 km to the south

✘ C. 4 km to the south

✘ D. 1 km to the north

Q.49 **In a certain code language, 'GLAM' is coded as '8943' and 'LAMP' is coded as '9847'. What is the code for 'P' in the given code language?**

Ans

✘ A. 9

✘ B. 8

✔ C. 7

✘ D. 4

Q.50 **What should come in place of the question mark (?) in the given series?**

10 26 74 154 266 ?

Ans

✔ A. 410

✘ B. 401

✘ C. 363

✘ D. 336

Q.51 $\frac{17}{3}$

Ans

✘ A. $\frac{31}{5}$

✘ B. $\frac{23}{3}$

✘ C. $\frac{28}{5}$

✔ D. $\frac{20}{3}$

Q.52 **In a certain code language, 'FROG' is coded as '1869' and 'GROW' is coded as '6419'. What is the code for 'W' in the given code language?**

Ans

✘ A. 9

✘ B. 1

✔ C. 4

✘ D. 6

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Q.53 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All walnuts are keys.
No walnut is a sun.
All suns are apples.
Conclusions:
(I): No apple is a key.
(II): Some apples are walnuts.

Ans
- ✗ A. Only conclusion (I) follows.
- ✗ B. Both conclusions (I) and (II) follow.
- ✓ C. Neither conclusion (I) nor (II) follows.
- ✗ D. Only conclusion (II) follows.

Q.54 **Seven friends C, D, E, P, Q, R and S are sitting around a circular table facing the centre of the table. Only R sits between D and S. S sits third to the left of P. C sits to the immediate left of P. E is not an immediate neighbour of S. How many people sits between Q and E when counted from the right of E?**

Ans
- ✓ A. Three
- ✗ B. None
- ✗ C. Two
- ✗ D. One

Q.55



Ans
- ✗ A. ɘ q ⅋ ⅄ w Ɔ
- ✗ B. p e ⅋ ⅄ w Ɔ
- ✗ C. ɘ q ⅋ ⅄ w G
- ✓ D. ɘ q ⅋ ⅄ w Ɔ

Q.56 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans
- ✗ A. HSD
- ✓ B. QBK
- ✗ C. FQB
- ✗ D. SDO

Q.57 **MNJL is related to RSOQ in a certain way based on the English alphabetical order. In the same way, KLHJ is related to PQMO. To which of the following is GHDF related, following the same logic?**

Ans
- ✗ A. MLIK
- ✓ B. LMIK
- ✗ C. MLKI
- ✗ D. LMKI

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Q.58 In a certain code language, 'TALE' is coded as '1934' and 'LAST' is coded as '2349'. What is the code for 'S' in the given code language?

Ans
- ✗ A. 4
- ✗ B. 9
- ✗ C. 3
- ✓ D. 2

Q.59 What will come in the place of '?' in the following equation, if '−' and '×' are interchanged and '+' and '÷' are interchanged?
99 + 33 − 28 × 32 ÷ 10 = ?

Ans
- ✗ A. 36
- ✗ B. 52
- ✗ C. 72
- ✓ D. 62

Q.60 What will come in the place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '−' and '×' are interchanged?
11÷ 9 + 3 − 6 × 8 = ?

Ans
- ✓ A. 21
- ✗ B. 155
- ✗ C. 15
- ✗ D. 30

Q.61 CFTQ is related to EDVO in a certain way based on the English alphabetical order. In the same way, HORX is related to JMTV. To which of the given options is JWQS related, following the same logic?

Ans
- ✓ A. LUSQ
- ✗ B. LTTQ
- ✗ C. LVTR
- ✗ D. LVSQ

Q.62 A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits second to the left of F. G is an immediate neighbour of both A and E. A is an immediate neighbour of F. B sits to the immediate right of E. How many people sit between B and F when counted from the right of F?

Ans
- ✗ A. 0
- ✗ B. 2
- ✗ C. 1
- ✓ D. 3

Q.63 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KEY 4, PJD 10, UOI 22, ZTN 46, EYS 94, ?

Ans
- ✓ A. JDX 190
- ✗ B. JDX 191
- ✗ C. KDX 190
- ✗ D. JKX 190

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Q.64 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some phones are tablets.
Some tablets are scanners.
All scanners are cameras.

Conclusions:
(I) Some cameras are tablets.
(II) All cameras are phones.

Ans
- ✗ A. Neither conclusion (I) nor (II) follows.
- ✓ B. Only conclusion (I) follows.
- ✗ C. Only conclusion (II) follows.
- ✗ D. Both conclusions (I) and (II) follow.

Q.65 **A, F, J, K, P and Q live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. F lives on an even numbered floor but not on floor number 4. Only two people live between F and K. J lives on an odd numbered floor but not on the lowermost floor. Only two people live between J and Q. A lives immediately below J. How many people live between P and A?**

Ans
- ✓ A. Two
- ✗ B. One
- ✗ C. Three
- ✗ D. Four

Q.66 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

NQ27 MP38 LO49 KN60 ?

Ans
- ✓ A. JM71
- ✗ B. JM72
- ✗ C. JN72
- ✗ D. JN71

Q.67 **Refer to the following series and answer the question (all numbers are single digit numbers only).**
(Left) 3 5 2 3 4 3 1 5 7 9 5 8 5 7 5 4 2 3 6 2 1 3 7 6 9 7 4 (Right)
How many such even digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

Ans
- ✗ A. 3
- ✓ B. 1
- ✗ C. 4
- ✗ D. 0

Q.68 **What should come in place of the question mark (?) in the given series?**

29, 33, 41, 53, 69, ?

Ans
- ✗ A. 87
- ✗ B. 85
- ✗ C. 91
- ✓ D. 89

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Q.69 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

NVM QYQ TBU WEY ?

Ans

✗ A. CHZ

✓ B. ZHC

✗ C. HZC

✗ D. ZCH

Q.70 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(10, 12, 11)
(14, 18, 16)

Ans

✗ A. (10, 15, 12)

✗ B. (9, 8, 16)

✗ C. (8, 7, 10)

✓ D. (5, 15, 10)

Section : **General Awareness**

Q.71 **Which of the following is the SI unit used for measuring thermodynamic temperature?**

Ans

✓ A. Kelvin

✗ B. Fahrenheit

✗ C. Celsius

✗ D. Rankine

Q.72 **Ziegler-Natta catalyst is used for _____.**

Ans

✗ A. Substitution reaction

✓ B. Polymerisation reaction

✗ C. Elimination reaction

✗ D. Reduction reaction

Q.73 **Which of the following locations holds the significance of being the headquarters of the South Central Zone of the Indian Railways?**

Ans

✗ A. Hubli

✓ B. Secunderabad

✗ C. Bilaspur

✗ D. Chennai

Q.74 **In 2024, India unveiled four Air Force pilots shortlisted for its maiden Gaganyaan mission. What is the primary objective of the mission?**

Ans

✗ A. To send a satellite into orbit

✗ B. To establish a space station

✓ C. To send astronauts into space and bring them back

✗ D. To land on the Moon

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Q.75 **Which scheme of the Indian government provides lump sum ex-gratia assistance to outstanding sportspersons of yesteryears?**

Ans

✔ A. Pandit Deendayal Upadhyay National Welfare Fund for Sportspersons

✘ B. Major Dhyan Chand National Scheme for Sportsperson

✘ C. Rajiv Gandhi Khel Protsahan Yojana

✘ D. Maulana Azad National Scheme for Outstanding Sportsperson

Q.76 **What was promoted to enhance defence procurement under the approved amendments in the Indian Defence Acquisition Council (DAC) 2020, in February 2024?**

Ans

✘ A. Increased budget allocations

✘ B. Foreign defence collaborations

✘ C. Expansion of defence manufacturing units

✔ D. Procurement of advanced technology from Startups and MSMEs

Q.77 **Which of the following Constitutional Amendment Acts added the 10th Schedule to the Indian Constitution?**

Ans

✘ A. 1. 61st Amendment Act

✘ B. 2. 64th Amendment Act

✔ C. 3. 52nd Amendment Act

✘ D. 4. 48th Amendment Act

Q.78 **In 1930, who in his most famous speech stressed the creation of a Muslim state in North West India?**

Ans

✔ A. Sir Muhammad Iqbal

✘ B. Syed Ali Akhtar Rizvi

✘ C. Ali Kutty Musliyar

✘ D. Khuzaima Qutbuddin

Q.79 **What does Article 164 of the Indian Constitution state about the appointment of the Chief Minister?**

Ans

✔ A. The Chief Minister shall be appointed by the Governor.

✘ B. The Chief Minister is appointed by the President of India.

✘ C. The Chief Minister is chosen through a referendum in the state.

✘ D. The Chief Minister is elected by the legislative assembly of the state.

Q.80 **The 'Uttarayani Fair' of Uttarakhand is related to the Indian festival of ____.**

Ans

✘ A. Dussehra

✘ B. Maha Shivratri

✘ C. Diwali

✔ D. Makar Sankranti

Q.81 **The Slogan of the Purna Swaraj was adopted as a goal on which date?**

Ans

✘ A. 1. 26th January 1940

✘ B. 2. 26th January 1950

✔ C. 3. 26th January 1930

✘ D. 4. 26th January 1960

Q.82 **Which of the following conducts the election of state legislatures?**

Ans

✘ A. Parliament of India

✔ B. Election Commission of India

✘ C. NITI Aayog

✘ D. State Election Commission of the concerned State

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Q.83 **What is the average annual rainfall in India, as per the India Meteorological Department, 2021?**

Ans

✗ A. 257 cm

✗ B. 57 cm

✓ C. 119 cm

✗ D. 517 cm

Q.84 **The southern branch of which of the following jet streams (high winds) plays an important role in the winter season in north and northwestern India?**

Ans

✗ A. Polar-Night Jet Stream

✓ B. Subtropical Westerly Jet Stream

✗ C. Tropical Easterly Jet Stream

✗ D. African Easterly Jet

Q.85 **What is poverty?**

Ans

✗ A. Lack of employment opportunities

✓ B. Inability to fulfill basic needs like food, clothing and shelter

✗ C. Lack of education

✗ D. Having a large population

Q.86 **Citrus fruits, which are essential components of a kitchen, contain Vitamin C. Vitamin C is also known as _____.**

Ans

✗ A. lactic acid

✗ B. folic acid

✗ C. citric acid

✓ D. ascorbic acid

Q.87 **The unit of magnetisation is _____.**

Ans

✗ A. tesla

✗ B. weber

✓ C. ampere/metre

✗ D. weber/metre

Q.88 **In the Summer Olympics 2024, who became the first Indian to win two medals in a single Olympics post-Independence?**

Ans

✗ A. Neeraj Chopra

✗ B. Swapnil Kusale

✓ C. Manu Bhaker

✗ D. Aman Sehrawat

Q.89 **Which of the following is mainly labour-intensive farming and utilises high doses of biochemical inputs and irrigation to obtain higher production?**

Ans

✗ A. Commercial plantation

✗ B. Primitive subsistence farming

✓ C. Intensive subsistence farming

✗ D. Dryland farming

Q.90 **Khan Abdul Ghaffar Khan, who founded the organisation of non-violent revolutionaries known as 'Red Shirts', was known by the name of _____.**

Ans

✓ A. Frontier Gandhi

✗ B. Political Guru of Gandhi

✗ C. Bismarck of India

✗ D. Shaheed-e-Azam

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Q.91 **LIC increased its stake in Bank of Maharashtra to 7.10% by acquiring 25.96 crore shares at what price through QIP in October 2024?**

Ans
- ✔ A. ₹57.36
- ✘ B. ₹50.25
- ✘ C. ₹60.63
- ✘ D. ₹65.36

Q.92 **What is the inflation projection for FY25 as retained by the RBI in its Monetary Policy Committee (MPC) meeting held in October 2024?**

Ans
- ✘ A. 6%
- ✔ B. 4.5%
- ✘ C. 7%
- ✘ D. 7.2%

Q.93 **Which major river divides the Peninsular Plateau into two parts?**

Ans
- ✔ A. Narmada
- ✘ B. Godavari
- ✘ C. Ganga
- ✘ D. Krishna

Q.94 **Which type of poverty is generally considered as a result of insufficient income?**

Ans
- ✘ A. Relative poverty
- ✔ B. Absolute poverty
- ✘ C. Situational poverty
- ✘ D. Urban poverty

Q.95 **Which of the following is the death anniversary of Sufi saints usually held at the respective saint's dargah or shrine?**

Ans
- ✘ A. Muharram
- ✘ B. Eid al-Fitr
- ✔ C. Urs
- ✘ D. Eid al-Adha

Q.96 **Which international initiative aims to mobilise solar energy investments of $1,000 billion by 2030?**

Ans
- ✘ A. World Solar Initiative
- ✘ B. Solar Energy Collaboration
- ✔ C. International Solar Alliance (ISA)
- ✘ D. Global Green Pact

Q.97 **Which of the following directive principles of state policy is NOT provided by the Indian Constitution for its citizens?**

Ans
- ✘ A. Protection of children and youth against exploitation
- ✘ B. Ownership of the community material resources not distributed
- ✔ C. Adequate means of livelihood
- ✘ D. Equal pay for equal work

Q.98 **Who took over as the 51st Chief Justice of India on 11 November 2024?**

Ans
- ✘ A. Justice DY Chandrachud
- ✔ B. Justice Sanjiv Khanna
- ✘ C. Justice Bhushan Ramkrishna Gavai
- ✘ D. Justice VK Bist

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Q.99 **In September 2024, which of the following countries unveiled all new and powerful suicide drone 'Shahed-136B' during its annual military parade?**

Ans

✗ A. Qatar

✗ B. Oman

✓ C. Iran

✗ D. Bahrain

Q.100 **As of October 2024, the cash reserve ratio (CRR) in India is _____.**

Ans

✗ A. 7.8%

✓ B. 4.5%

✗ C. 6.5%

✗ D. 10%

Q.101 **At the time of Independence, what was the major characteristic of India's economy?**

Ans

✗ A. Highly industrialised

✗ B. Completely urbanised

✓ C. Predominantly agrarian

✗ D. Fully developed

Q.102 **Article 45 (concerning child education) was modified by which of the following Constitutional Amendment Acts?**

Ans

✗ A. 1. 73rd Amendment

✓ B. 2. 86th Amendment

✗ C. 3. 42nd Amendment

✗ D. 4. 44th Amendment

Q.103 **Who built the temple for goddess Nishumbhasudini?**

Ans

✗ A. Parantaka Chola I

✗ B. Karikala Chola

✓ C. Vijayalaya

✗ D. Rajaraja Chola I

Q.104 **What milestone did the National Stock Exchange (NSE) of India achieve in October 2024?**

Ans

✓ A. 20 crore client codes

✗ B. 16.9 crore client codes

✗ C. 10 crore unique investors

✗ D. 3 crore mobile trading app downloads

Q.105 **Omni Active Health Technologies acquired ENovate Biolife in 2024. What is ENovate Biolife known for?**

Ans

✗ A. Medical devices

✗ B. AI health tech

✓ C. Botanical health solutions

✗ D. Genetically engineered ingredients

Q.106 **Which strategy, widely adopted in India's early economic planning, aimed to reduce foreign dependence and was a significant feature of industrial policy?**

Ans

✓ A. Import Substitution

✗ B. Export Promotion

✗ C. Liberalisation

✗ D. Globalisation

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Q.107 **Which of the following Constitutional Amendment Acts added the 9th Schedule to the Constitution?**

Ans

✔ A. 1. 1st Constitutional Amendment Act

✘ B. 2. 2nd Constitutional Amendment Act

✘ C. 3. 3rd Constitutional Amendment Act

✘ D. 4. 4th Constitutional Amendment Act

Q.108 **To promote Inland Water Transport (IWT) in the country, _____ waterways have been declared as National Waterways (NWs) under the National Waterways Act, 2016.**

Ans

✘ A. 201

✘ B. 117

✘ C. 100

✔ D. 111

Q.109 **Who was the commander-in-chief of Nana Saheb?**

Ans

✘ A. Mir Kasim

✘ B. Siraj-ud-Daulah

✘ C. Shah Nazam

✔ D. Tatya Tope

Q.110 **The largest island in the Andaman and Nicobar group is:**

Ans

✘ A. Great Nicobar

✘ B. South Andaman

✘ C. North Andaman

✔ D. Middle Andaman

Q.111 **When did Swami Vivekananda propagate the real philosophy and culture of India to the world at the Parliament of the World's Religions in Chicago?**

Ans

✘ A. 1883

✘ B. 1873

✔ C. 1893

✘ D. 1853

Q.112 **Which of the following is a government programme meant to reduce poverty in India?**

Ans

✘ A. Green Revolution

✘ B. Digital India

✔ C. NRLM

✘ D. Make in India

Q.113 **What was the name of the Captain of the Awadh Military Police who had been given protection by his Indian subordinates during the mutiny of 1857?**

Ans

✔ A. Captain Hearsey

✘ B. Captain Savarkar

✘ C. Captain Auckland

✘ D. Captain Outram

Q.114 **Which area is NOT a focus of the agreements signed by India under the Indo-Pacific Economic Framework (IPEF) for Prosperity in September 2024?**

Ans

✘ A. Fair Economy

✘ B. IPEF Overarching arrangement

✘ C. Clean Economy

✔ D. Military Cooperation

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Q.115 **The M72/AS01E vaccine candidate launched in 2024 almost after a century of BCG vaccine discovery is effective against which of the following diseases?**

Ans

✗ A. Malaria

✗ B. COVID-19

✗ C. HIV

✓ D. Tuberculosis

Q.116 **In 1917, which Irish woman along with Annie Besant and Sarojini Naidu founded the Women's Indian Association (WIA) in Adyar, Madras, to bring awareness among women?**

Ans

✗ A. Eilish Cousins

✗ B. Tierney Cousins

✗ C. Myrna Cousins

✓ D. Margaret Cousins

Q.117 **What is the distance between rails in broad gauge on the basis of width of the track of Indian Railways?**

Ans

✗ A. 1.000 metre

✗ B. 0.762 metre

✓ C. 1.676 metre

✗ D. 2.000 metre

Q.118 **In which year did Jyotiba Phule open a school for girls which was the first girls school ever in the country?**

Ans

✗ A. 1838

✗ B. 1858

✗ C. 1868

✓ D. 1848

Q.119 **Which of the following quantities remains conserved for a system which is subjected to a conservative force?**

Ans

✗ A. Total kinetic energy

✓ B. Total mechanical energy

✗ C. Total potential energy

✗ D. Total linear momentum

Q.120 **What was the capital of the Gupta empire during the rule of Ashoka?**

Ans

✗ A. Ayodhya

✗ B. Prayag

✗ C. Pataliputra

✓ D. Ujjain

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	02/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **Which of the following numbers is divisible by both 4 and 9?**

Ans
- ✗ A. 2345
- ✗ B. 3241
- ✓ C. 1728
- ✗ D. 4512

Q.2 **An online store announced a 20% discount on all its apparels during the Diwali week. A further discount of ₹50 was given on UPI payment. Sara bought a saree by paying ₹3,190 using the UPI payment mode. Find the marked price of the saree.**

Ans
- ✓ A. ₹4,050
- ✗ B. ₹4,095
- ✗ C. ₹4,025
- ✗ D. ₹4,000

Q.3 **The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 123. Find the average of the remaining two numbers?**

Ans
- ✗ A. 201
- ✓ B. 189
- ✗ C. 190
- ✗ D. 200

Q.4 **The sum of 8 numbers is 840. Find their average.**

Ans
- ✗ A. 106
- ✗ B. 104
- ✓ C. 105
- ✗ D. 103

Q.5 **What is the greatest number that will divide 446 and 487, leaving remainders 9 and 12, respectively?**

Ans
- ✗ A. 23
- ✗ B. 25
- ✗ C. 22
- ✓ D. 19

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Q.6 If 19 , 57 , 81 , and y are in proportion, then the value of y is:

Ans

✗ A. 248

✓ B. 243

✗ C. 249

✗ D. 252

Q.7 One pipe fills a water tank 3 times faster than the other. If the two pipes together can fill the empty tank in 37 minutes, then how much time will the slower pipe alone take to fill the tank?

Ans

✗ A. 150 minutes

✓ B. 148 minutes

✗ C. 145 minutes

✗ D. 154 minutes

Q.8 Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Chetan borrowed an amount of ₹440000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Chetan after 3 years.

Ans

✗ A. 34500

✓ B. 33000

✗ C. 32500

✗ D. 34000

Q.9 Three friends are exercising together. The first friend runs a lap in 12 minutes, the second in 18 minutes, and the third in 24 minutes. If they all start running together, after how many minutes will they all finish a lap together again?

Ans

✗ A. 82 mins

✗ B. 32 mins

✗ C. 92 mins

✓ D. 72 mins

Q.10 The monthly incomes of two friends Chetan and Vipul, are in the ratio 5 : 7 respectively and each of them saves ₹96000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Chetan(in ₹).

Ans

✗ A. 119000

✗ B. 121000

✓ C. 120000

✗ D. 168000

Q.11 A 340 m long train crosses a man walking at a speed of 4.5 km/h in the opposite direction in 6 seconds. What is the speed (in km/h) of the train?

Ans

✓ A. 199.5

✗ B. 202.8

✗ C. 195.6

✗ D. 203.5

Q.12 What is the simplest fractional form of 0.625?

Ans

✓ A. $\frac{5}{8}$

✗ B. $\frac{25}{50}$

✗ C. $\frac{625}{1000}$

✗ D. $\frac{10}{20}$

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Q.13 **Evaluate: 41 - [21 - {11 - (15 - 9 ÷ 3 × 2)}]**

Ans

✗ A. 24

✗ B. 19

✓ C. 22

✗ D. 17

Q.14 **The difference between compound interest and simple interest for 3 years at the rate of 20% per annum is ₹240. What is the principal lent?**

Ans

✗ A. ₹1,975

✗ B. ₹1,675

✗ C. ₹1,775

✓ D. ₹1,875

Q.15 **Find the perimeter of an equilateral triangle with a side length of 6 cm.**

Ans

✗ A. 9 cm

✓ B. 18 cm

✗ C. 6 cm

✗ D. 36 cm

Q.16 Seema bought a mobile and laptop at a certain price. She sold the mobile at 10% gain and laptop at 25% gain. She found that the cost price of the mobile is equal to the selling price of the laptop. Find her profit percentage.

Ans

✗ A. $14\frac{2}{3}\%$

✗ B. $15\frac{2}{3}\%$

✗ C. $13\frac{2}{3}\%$

✓ D. $16\frac{2}{3}\%$

Q.17 **Ramneek starts a business with ₹1,45,600. After 5 months, Somesh joins him with ₹1,50,400. At the end of the year, in what ratio should they share the profit?**

Ans

✗ A. 23 : 41

✓ B. 78 : 47

✗ C. 39 : 49

✗ D. 53 : 48

Q.18 **Isha can do a certain piece of work in 20 days. Isha and Smriti can together do the same work in 16 days, and Isha, Smriti and Ashlesha can do the same work together in 8 days. In how many days can Isha and Ashlesha do the same work?**

Ans

✗ A. $\frac{79}{10}$

✗ B. $\frac{89}{9}$

✗ C. $\frac{76}{11}$

✓ D. $\frac{80}{9}$

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Q.19 **The average of first 126 odd natural numbers, is:**

Ans

✗ A. 127

✓ B. 126

✗ C. 126.5

✗ D. 125.5

Q.20 **In what ratio must a shopkeeper mix two varieties of rice costing ₹75 and ₹80 per kg, respectively, so as to get a mixture worth ₹76.5 per kg?**

Ans

✓ A. 7 : 3

✗ B. 5 : 3

✗ C. 3 : 7

✗ D. 3 : 5

Q.21 **A girl goes to school at a speed of 6 km/hr. She comes back with a speed of 18 km/hr. Find her average speed for the whole journey.**

Ans

✗ A. 4 km/h

✗ B. 10 km/h

✗ C. 11 km/h

✓ D. 9 km/h

Q.22 **A pencil sharpened at both edges is the combination of _____ and _____.**

Ans

✗ A. rectangle and cylinder

✓ B. cylinders and cones

✗ C. squares and cones

✗ D. rectangle and a cone

Q.23 **Train A leaves station M at 7:20 AM and reaches station N at 2:20 PM on the same day. Train B leaves station N at 9:20 AM and reaches station M at 2:20 PM on the same day. Find the time when Trains A and B meet.**

Ans

✓ A. 11:25 AM

✗ B. 9:38 PM

✗ C. 1:11 PM

✗ D. 10:34 AM

Q.24 **Raghu bought toffees at 10 for a rupee. How many for a rupee must he sell to gain 400%?**

Ans

✗ A. Four

✗ B. Five

✓ C. Two

✗ D. Three

Q.25 **The value of**

$$9^3 - 2^2 + \left(\frac{42}{3}\right)^2 - 6 + 5 \times 0 = \_\_\_\_\_$$

Ans

✓ A. 915

✗ B. 913

✗ C. 918

✗ D. 922

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Q.26 **A man riding on a bicycle at a speed of 17 km/h crosses a bridge in 42 minutes. Find the length of the bridge?**

Ans

- ✔ A. 11.9 km
- ✘ B. 7.3 km
- ✘ C. 3.8 km
- ✘ D. 17.4 km

Q.27 **Nitin can do a piece of work in 7 hours. Pravin can do it in 21 hours. With the assistance of Rishi, they completed the work in 3 hours. In how many hours can Rishi alone do it?**

Ans

- ✔ A. 7
- ✘ B. 6
- ✘ C. 9
- ✘ D. 8

Q.28 **In how many months, at a rate of 6% compound interest per annum, will a sum of ₹1,200 become ₹1,348.32.?**

Ans

- ✘ A. 30 months
- ✔ B. 24 months
- ✘ C. 12 months
- ✘ D. 18 months

Q.29 **If the radius of the base of a right circular cylinder is decreased by 30% and its height is increased by 224%, then what is the percentage increase (closest integer) in its volume?**

Ans

- ✔ A. 59%
- ✘ B. 58%
- ✘ C. 83%
- ✘ D. 70%

Q.30 **A number when increased by 50 % gives 2550. The number is:**

Ans

- ✘ A. 5100
- ✔ B. 1700
- ✘ C. 3400
- ✘ D. 850

Q.31 **The marked price of a mobile phone is ₹59,500. During the great Indian festive sale, it is sold for ₹47,600. Determine the discount percentage.**

Ans

- ✘ A. 21%
- ✔ B. 20%
- ✘ C. 18%
- ✘ D. 16%

Q.32 **The current price of a laptop is ₹78,000 after a 20% increase this year. What was the price of the laptop last year?**

Ans

- ✔ A. ₹65,000
- ✘ B. ₹64,200
- ✘ C. ₹65,450
- ✘ D. ₹62,400

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Q.33 How much wheat (in kg, rounded off to the nearest integer) costing ₹36 per kg must be mixed with 55 kg of wheat costing ₹45 per kg so that there may be a gain of 20% by selling the mixture at ₹50 per kg?

Ans
- ✗ A. 36
- ✗ B. 28
- ✓ C. 32
- ✗ D. 30

Q.34 Evaluate: 41 - [36 - {48 ÷ 3 - (4 - 8 ÷ 2) ÷ 2}]

Ans
- ✗ A. 23
- ✓ B. 21
- ✗ C. 22
- ✗ D. 20

Q.35 Simplify: $\frac{1\frac{1}{4}+18.75-12\frac{2}{6}-7\frac{6}{9}}{0.6\times8.7-6.98\times10.9}$

Ans
- ✗ A. 1
- ✗ B. 0.75
- ✓ C. 0
- ✗ D. 1.6

Section : General Intelligence and Reasoning

Q.36 What should come in place of the question mark (?) in the given series?

28 39 53 70 90 ?

Ans
- ✓ A. 113
- ✗ B. 128
- ✗ C. 123
- ✗ D. 117

Q.37 In a row of 42 people facing north, Shoaib is 9th from the right end. If Rishi sits 4th to the right of Shoaib, what is Rishi's position from the left end of the line?

Ans
- ✗ A. 1. 37th
- ✓ B. 2. 38th
- ✗ C. 3. 36th
- ✗ D. 4. 35th

Q.38 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

TVJ : SUI
BRW : AQV

Ans
- ✗ A. DJH : RMP
- ✗ B. FVC : EWL
- ✓ C. DPU : COT
- ✗ D. EYU : GDO

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Q.39 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All goats are trees.
Some trees are cloves.
Some cloves are peanuts.

Conclusions:
(I): Some peanuts are goats.
(II): Some cloves are goats.

Ans
- ✗ A. Both conclusions (I) and (II) follow.
- ✗ B. Only conclusion (II) follows.
- ✓ C. Neither conclusion (I) nor (II) follows.
- ✗ D. Only conclusion (I) follows.

Q.40 **Three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that does NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans
- ✗ A. HT - RC
- ✗ B. QC - AL
- ✓ C. JO - LS
- ✗ D. CO - MX

Q.41 **Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.**
(Left) # 5 4 @ % & * $ 6 8 Ω 9 1 7 3 £ + 2 (Right)
How many such numbers are there each of which is immediately preceded by another number and also immediately followed by another number?

Ans
- ✗ A. 1
- ✗ B. 3
- ✗ C. 4
- ✓ D. 2

Q.42 **What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and '–' and '÷' are interchanged?**
21+32-14x17÷11=?

Ans
- ✗ A. 34
- ✗ B. 64
- ✓ C. 54
- ✗ D. 44

Q.43 **KP 14 is related to GL 10 in a certain way. In the same way, SW 18 is related to OS 14. To which of the following is OX 13 related, following the same logic?**

Ans
- ✗ A. KT 11
- ✓ B. KT 09
- ✗ C. MP 11
- ✗ D. XO 09

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Q.44 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. ARI

✗ B. RIZ

✗ C. EVM

✓ D. WNI

Q.45 **Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.**
UTR–TSQ
POM–ONL

Ans

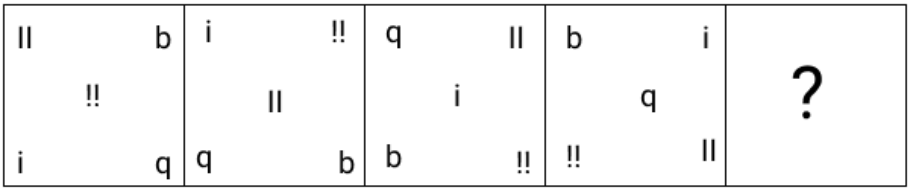
✓ A. CBZ–BAY

✗ B. TSQ–RRO

✗ C. TRO–RQO

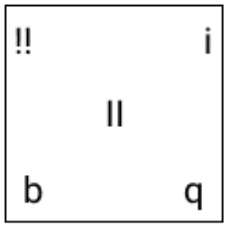
✗ D. TRO–SRP

Q.46

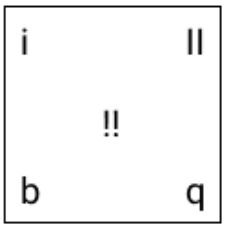


Ans

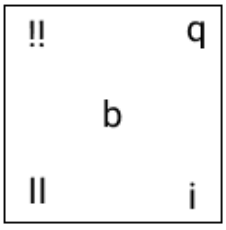
✗ A.



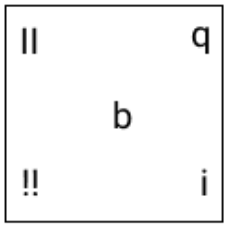
✗ B.



✓ C.



✗ D.



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Q.47 In a row of 34 students facing North, Yudveer is 20th from the right end. If Piyush is 8th to the left of Yudveer, what is Piyush's position from the left end of the line?

Ans

✗ A. 1. 8th

✗ B. 2. 6th

✗ C. 3. 5th

✓ D. 4. 7th

Q.48 In a certain code language, 'go home now' is coded as 'ab bc de' and 'now is perfect' is coded as 'df de jo'. How is 'now' coded in the given language?

Ans

✓ A. de

✗ B. ab

✗ C. bc

✗ D. jo

Q.49 Naren starts from Point A and drives 7 km towards the west. He then takes a left turn, drives 5 km, turns left and drives 10 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

Ans

✗ A. 3 km to the north

✗ B. 1 km to the south

✗ C. 2 km to the north

✓ D. 4 km to the south

Q.50 P, Q, R, S, T, U and V are sitting around a circular table facing the centre. U sits third to the left of T. P sits second to the left of Q. Only T sits between V and P. R is not an immediate neighbour of U. How many people sit between U and V when counted from the right of V?

Ans

✓ A. 4

✗ B. 1

✗ C. 3

✗ D. 2

Q.51 Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. Only one person sits between T and Q. Only two people sit between S and T. Only X sits to the right of Q. Y sits at some place to the right of W but at some place to the left of R. How many people sit to the right of R?

Ans

✗ A. Three

✗ B. Four

✓ C. Two

✗ D. One

Q.52 Pranay starts from Point A and drives 8 km towards east. He then takes a right turn, drives 11 km, turns right and drives 12 km. He then takes a right turn and drives 13 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

Ans

✗ A. 3 km to the north

✓ B. 2 km to the south

✗ C. 2 km to the north

✗ D. 3 km to the south

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Q.53 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All lifts are doors.
All doors are cars.
No car is a window.

Conclusions:
(I) : No lift is a window.
(II) : Some cars are lifts.

Ans
- ✔ A. Both conclusions (I) and (II) follow
- ✘ B. Only conclusion (II) follows
- ✘ C. Only conclusion (I) follows
- ✘ D. Neither conclusion (I) nor (II) follows

Q.54 **In a certain code language ,'NXCH' is coded as 'QZFJ' and 'EULA' is coded as 'HWOC'. What is the code for 'ZIKR' in the given code language?**

Ans
- ✘ A. BINS
- ✔ B. CKNT
- ✘ C. DJNS
- ✘ D. BGMR

Q.55 **In a certain code language, 'CREATE' is coded as '856629' and 'ITEMS' is coded as '96713'. What is the code for 'T' in the given code language?**

Ans
- ✘ A. 8
- ✘ B. 3
- ✔ C. 9
- ✘ D. 6

Q.56 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) 9 4 ^ 3 7 7 ? 1 \ 2 8 8 \ 7 $ > 3 # ? # ? (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

Ans
- ✘ A. Three
- ✘ B. One
- ✘ C. Two
- ✔ D. Four

Q.57

M
8R26mF4
N

Ans
- ✘ A. 
- ✘ B. 
- ✘ C. 
- ✔ D. 

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Q.58 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

XVM VTK TRI RPG ?

Ans

✗ A. NPE

✗ B. NEP

✓ C. PNE

✗ D. ENP

Q.59 **In a certain code language,**
'A + B' means 'A is the son of B',
'A – B' means 'A is the brother of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means 'A is the father of B'.

How is P related to T if 'P + Q ÷ R – S × T'?

Ans

✗ A. Grandfather

✗ B. Son

✗ C. Father-in-law

✓ D. Brother-in-law

Q.60 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
Some bugs are ants.
Some ants are snakes.

Conclusions:
(I) : Some bugs are snakes.
(II) : All snakes are ants.

Ans

✗ A. Only conclusion (II) follows

✗ B. Only conclusion (I) follows

✗ C. Both conclusions (I) and (II) follow

✓ D. Neither conclusion (I) nor (II) follows

Q.61 **In a certain code language,**
A ~ B means 'A is the daughter of B'
A × B means 'A is the wife of B'
A + B means 'A is the brother of B'
A ? B means 'A is the father of B'
Based on the above, how is B related to O if 'B × R + A ~ V ? O'?

Ans

✗ A. Brother's sister

✓ B. Brother's wife

✗ C. Brother's son

✗ D. Brother's father

Q.62 **What should come in place of the question mark (?) in the given series?**

15 22 44 51 73 80 ?

Ans

✗ A. 121

✗ B. 111

✗ C. 120

✓ D. 102

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Q.63 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

TBR 23 RFO 12 PJL 1 NNI −10 ?

Ans

✗ A. KRE −19

✓ B. LRF −21

✗ C. LRE −21

✗ D. KRF −19

Q.64 **P, Q, R, S, T, U and V sit around a circular table facing the centre. Only two people sit between Q and P when counted from the right of Q. Only three people sit between S and V when counted from the right of V. P sits to the immediate right of V. U sits to the immediate right of T. How many people sit between R and T when counted from the right of T?**

Ans

✓ A. 3

✗ B. 4

✗ C. 2

✗ D. 1

Q.65 **What will come in place of the question mark (?) in the following equation if '÷' and '×' are interchanged?**

$$(6 \div 6) \times \sqrt[3]{8 \div 8} = ?$$

Ans

✗ A. 8

✗ B. 3

✓ C. 9

✗ D. 18

Q.66 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

211 - 2 - 209
102 - 6 - 96

Ans

✗ A. 39 - 2 - 31

✗ B. 44 - 5 - 38

✓ C. 61 - 3 - 58

✗ D. 54 - 3 - 49

Q.67 **Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.**
(Left) @ 8 $ 7 + 5 4 2 Ω # 1 * £ 3 6 & 9 % (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?

Ans

✗ A. 3

✓ B. 2

✗ C. 1

✗ D. 4

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Q.68 **What will come in place of the question mark (?) in the following equation if '÷' and '+' are interchanged and '−' and '×' are interchanged?**

$$(5-4) \div (81+9) \times (52+4) = ?$$

Ans

✔ A. 16

✘ B. 24

✘ C. 5040

✘ D. 9

Q.69 **What should come in place of '?' in the given series?**

105, 93, 78, 111, 91, 81, 117, 89, 84, ?

Ans

✘ A. 115

✔ B. 123

✘ C. 87

✘ D. 119

Q.70 **What should come in place of '?' in the given series based on the English alphabetical order?**

TMP RKN PIL NGJ ?

Ans

✘ A. LFH

✘ B. LFG

✘ C. LEG

✔ D. LEH

Section : **General Awareness**

Q.71 **What does the PRAVAAH portal, launched by the Reserve Bank of India in May 2024, stand for?**

Ans

✔ A. Platform for Regulatory Application, VAlidation and AutHorisation

✘ B. Public Regulatory Application, Validation, and Authorisation Hub

✘ C. Platform for Retail Applications, VAlidation and AutHority

✘ D. Portal for Regulatory Applications and Validations in Housing

Q.72 **In the RBI's Monetary Policy Committee (MPC) meeting held on 9 October 2024, how many members supported the decision to maintain the repo rate at 6.5%?**

Ans

✘ A. Three out of six

✘ B. Six out of six

✔ C. Five out of six

✘ D. Four out of six

Q.73 **On Air Force Day, 8th October 2024, the IAF airshow was held in ____.**

Ans

✔ A. Chennai

✘ B. Mumbai

✘ C. Bengaluru

✘ D. New Delhi

Q.74 **According to Le Chatelier's Principle, what happens to a system at equilibrium when it is subjected to a change in concentration, pressure or temperature?**

Ans

✘ A. The system will always favour the formation of reactants.

✘ B. The system remains at equilibrium without any changes.

✘ C. The system will undergo a permanent change in state.

✔ D. The system shifts in the direction that opposes the change to re-establish equilibrium.

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Q.75 **Why is rural credit important for rural development in India?**

Ans

✗ A. It reduces agricultural activities.

✗ B. It supports urban migration.

✓ C. It helps farmers and small businesses access funds for production and development.

✗ D. It decreases industrial investment.

Q.76 **The idea of human development is supported by the concepts of _____.**
1. Equity
2. Sustainability
3. Productivity
4. Empowerment

Ans

✓ A. 1, 2, 3 and 4

✗ B. 1 and 3 only

✗ C. 1, 2 and 3 only

✗ D. 2 and 4 only

Q.77 **A negatively charged glass rod attracts a hanging object. The nature of the hanging object is:**

Ans

✗ A. may be negatively charged or may be neutral

✓ B. may be positively charged or may be neutral

✗ C. certainly negatively charged

✗ D. certainly positively charged

Q.78 **The economy of the Vedic period was mainly a combination of _____.**

Ans

✗ A. agriculture and cotton trade

✗ B. agriculture and arms trade

✗ C. agriculture and industries

✓ D. agriculture and animal husbandry

Q.79 **Who among the following painted 'Relief of Lucknow', related to the Revolt of 1857?**

Ans

✓ A. Thomas Jones Barker

✗ B. Captain Hugh

✗ C. Captain Wright

✗ D. Captain Munro

Q.80 **In which case did the Supreme Court introduce the concept of curative petitions?**

Ans

✗ A. Indira Nehru Gandhi vs. Shri Raj Narain

✓ B. Rupa Ashok Hurra vs. Ashok Hurra and Ors.

✗ C. M Nagaraj and Ors. vs. Union of India

✗ D. Kesavananda Bharati vs. State of Kerala

Q.81 **Which mountain range is a source of marble in India?**

Ans

✗ A. Satpuras

✗ B. Vindhyas

✗ C. Himalayas

✓ D. Aravallis

Q.82 **Shree Narayana Guru founded the Shree Narayana Dharma Paripalana Yogam (SNDP) in _____ to carry on the work of social reform.**

Ans

✓ A. 1903

✗ B. 1923

✗ C. 1913

✗ D. 1933

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Q.83 **Which President of India exercised the pocket veto on the Indian Post Office (Amendment) Bill?**

Ans
- ✔ A. Zail Singh
- ✘ B. R Venkataraman
- ✘ C. APJ Abdul Kalam
- ✘ D. Dr. Rajendra Prasad

Q.84 **Which sector is responsible for providing electricity in India?**

Ans
- ✘ A. Agriculture
- ✘ B. Textile
- ✘ C. Mining
- ✔ D. Power

Q.85 **Who won the Best Actor award at the 70th National Film Awards 2024?**

Ans
- ✘ A. Allu Arjun
- ✘ B. Yash
- ✔ C. Rishab Shetty
- ✘ D. Dulquer Salmaan

Q.86 **Which law was NOT amended by the Jammu and Kashmir Local Bodies Laws (Amendment) Bill, 2024, introduced in the Lok Sabha in February 2024?**

Ans
- ✘ A. J&K Municipal Corporation Act, 2000
- ✔ B. J&K Land Acquisition Act, 1995
- ✘ C. J&K Panchayati Raj Act, 1989
- ✘ D. J&K Municipal Act, 2000

Q.87 **At a workshop hosted at its campus in May-June 2024, a team from IIT Dharwad unveiled the world's first ____ assistance drone.**

Ans
- ✘ A. military surveillance
- ✔ B. fire rescue
- ✘ C. agricultural survey
- ✘ D. vaccine and medicine distribution

Q.88 **Which organisation regulates and monitors the stock market and defends the benefits of the investors by imposing certain rules and protocols?**

Ans
- ✘ A. RBI
- ✔ B. SEBI
- ✘ C. IRDA
- ✘ D. IEX

Q.89 **Which type of vegetation is mostly found in the Thar Desert?**

Ans
- ✘ A. Deciduous forests
- ✘ B. Tropical rainforest
- ✘ C. Alpine vegetation
- ✔ D. Thorny bushes and shrubs

Q.90 **The Third Schedule of the Indian Constitution contains which of the following?**

Ans
- ✘ A. The State list
- ✘ B. The Union list
- ✘ C. The recognized languages
- ✔ D. The Forms of Oaths or Affirmations

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Q.91 **Who was the fourth Sikh Guru who laid the foundation of Sri Darbar Sahib at Amritsar (The Golden Temple) in 1577?**

Ans

✗ A. Guru Har Krishan Dev Ji

✗ B. Guru Amar Das Ji

✗ C. Guru Arjan Dev Ji

✓ D. Guru Ram Das Ji

Q.92 **Which of the following talks about 'social and economic justice'?**

Ans

✓ A. Directive Principles of State Policy and Preamble

✗ B. Directive Principles of State Policy only

✗ C. Preamble only

✗ D. Fundamental Duty only

Q.93 **What is the approximate total length of the Golden Quadrilateral (GQ) highway network?**

Ans

✗ A. 1,700 km

✗ B. 1,235 km

✗ C. 7,300 km

✓ D. 5,846 km

Q.94 **Who inaugurated the International 6G Symposium, emphasising the technology's potential to boost economic growth and innovation in India on 16 October 2024?**

Ans

✓ A. Jyotiraditya M Scindia

✗ B. Piyush Goyal

✗ C. Ashwini Vaishnaw

✗ D. Nirmala Sitharaman

Q.95 **Who among the following is NOT part of the Council of Ministers in a State?**

Ans

✗ A. State Ministers

✓ B. The Governor

✗ C. The Chief Minister

✗ D. Cabinet Ministers

Q.96 **What is the estimated Nominal GDP or GDP at Current Prices for India in the year 2023-24 as per NSSO?**

Ans

✗ A. ₹286.32 lakh crore

✗ B. ₹306.89 lakh crore

✓ C. ₹296.58 lakh crore

✗ D. ₹276.45 lakh crore

Q.97 **Which of the following crops is primarily cultivated in black soil regions of India?**

Ans

✗ A. Rice

✓ B. Cotton

✗ C. Sugarcane

✗ D. Tea

Q.98 **In 1971, the Small Farmers Development Agency (SFDA) and Marginal Farmers and Agricultural Labourers (MFAL) Agency were introduced on the recommendations of the _____.**

Ans

✓ A. All India Credit Review Committee

✗ B. All India Kisan Sabha

✗ C. Indian Institute of Local Self Governments

✗ D. All India Farmers Association

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Q.99 **What is the minimum age required for a person to be elected to the legislative assembly?**

Ans

✗ A. 18 years

✗ B. 22 years

✓ C. 25 years

✗ D. 21 years

Q.100 **In December 2024, India and Australia were expediting the Comprehensive Economic Cooperation Agreement (CECA) to enhance trade in which areas?**

Ans

✗ A. Space technology and innovation

✓ B. Agriculture, supply chains and emerging sectors

✗ C. Defence and cybersecurity

✗ D. Tourism and education

Q.101 **What is 'Northern Circar' in India?**

Ans

✓ A. Name of coastal plain

✗ B. Name of mountain peak

✗ C. Name of river valley

✗ D. Name of plateau

Q.102 **The East-West Corridor has been planned to connect Silchar in which of the following Indian states with the port town of Porbandar in Gujarat?**

Ans

✗ A. Sikkim

✗ B. Nagaland

✓ C. Assam

✗ D. Arunachal Pradesh

Q.103 **Which of the following physicists is renowned for their groundbreaking research on natural radioactivity?**

Ans

✗ A. Enrico Fermi

✗ B. Niels Bohr

✓ C. Marie Curie

✗ D. JJ Thomson

Q.104 **In 2024, which company debuted on the stock exchanges with a 5% premium, becoming India's first listed multinational health insurer?**

Ans

✗ A. Star Health and Allied Insurance

✗ B. HDFC Life

✓ C. Niva Bupa

✗ D. ICICI Prudential Life Insurance

Q.105 **Which of the following was NOT a demand of the extremists?**

Ans

✗ A. Complete Swaraj

✓ B. Constitutional reforms

✗ C. Complete independence

✗ D. Promotion of Swadeshi industries

Q.106 **As per Advancing Monsoon in India, which of the following cities receives rainfall the earliest?**

Ans

✗ A. Lucknow

✓ B. Bengaluru

✗ C. Chandigarh

✗ D. Nagpur

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Q.107 **Which of the following Constitutional Amendment Acts had abolished the privy purse and privileges of the former rulers of the princely states?**

Ans

✗ A. 1. 44th Amendment Act

✗ B. 2. 36th Amendment Act

✗ C. 3. 42nd Amendment Act

✓ D. 4. 26th Amendment Act

Q.108 **Which principle states that the partial vapour pressure of each volatile component in a solution is directly proportional to its mole fraction?**

Ans

✗ A. Dalton's Law

✓ B. Raoult's Law

✗ C. Henry's Law

✗ D. Boyle's Law

Q.109 **In June 2024, which of the following politicians took oath as the Union Education Minister?**

Ans

✗ A. Shri Rajnath Singh

✓ B. Shri Dharmendra Pradhan

✗ C. Shri Bhupendra Yadav

✗ D. Shri Prakash Javadekar

Q.110 **In which state is the Ganga Sagar Mela held every year at the estuary of the Ganga, where millions of pilgrims gather to take a holy bath?**

Ans

✗ A. Bihar

✗ B. Uttar Pradesh

✗ C. Uttarakhand

✓ D. West Bengal

Q.111 **Rural non-farm employment includes jobs in:**

Ans

✗ A. agriculture

✗ B. fishing

✓ C. industries like weaving, handicrafts and dairy

✗ D. crop farming

Q.112 **Which of the following options best describes the Ideal Gas Law?**

Ans

✗ A. The total pressure of a mixture of gases is equal to the sum of the partial pressures of the individual gases.

✗ B. The volume of a gas is inversely proportional to its temperature at constant pressure.

✓ C. The pressure (P), volume (V) and temperature (T) of a fixed quantity of gas are related by the equation PV/T = Constant.

✗ D. The pressure of a gas is directly proportional to its volume at constant volume.

Q.113 **Who among the following chose the path of forming the army 'Azad Hind Fauj' to liberate India from the clutches of the British?**

Ans

✗ A. Bipin Chandra Pal

✗ B. Gopal Krishna Gokhale

✓ C. Subhas Chandra Bose

✗ D. Lala Lajpat Rai

Q.114 **Which tribal farmer of Singhbhum in Chhotanagpur led the Kol tribals in the revolt of 1857?**

Ans

✓ A. Gonoo

✗ B. Budhu Bhagat

✗ C. Jatra Bhagat

✗ D. Birsa Munda

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Q.115 **In October 2024, which institution introduced a compact device aimed at the early detection of breast cancer?**

Ans

✗ A. All India Institute of Medical Sciences, New Delhi

✗ B. Indian Institute of Science, Bengaluru

✓ C. Indian Institute of Technology, Indore

✗ D. Indian Institute of Technology, Bombay

Q.116 **In which month of 2024 was the Agreement on Cooperation in the Field of Agriculture and Food Industry between India and Ukraine signed?**

Ans

✓ A. August

✗ B. November

✗ C. March

✗ D. June

Q.117 **Which sector(s) in India has/have benefited maximum from globalisation?**

Ans

✗ A. Public sector enterprises

✓ B. Information technology

✗ C. Agriculture

✗ D. Mining

Q.118 **Maha Shivratri, also known as the 'Great Night of Shiva', is celebrated in the Hindu month of ____.**

Ans

✗ A. Chaitra

✓ B. Phalguna

✗ C. Vaisakha

✗ D. Magha

Q.119 **Who among the following was the son of Chandragupta Maurya?**

Ans

✗ A. Dasharatha Maurya

✓ B. Bindusara

✗ C. Ashoka

✗ D. Brihadratha Maurya

Q.120 **Tantia Tope led the revolt of 1857 in:**

Ans

✗ A. Pune

✓ B. Kanpur

✗ C. Chennai

✗ D. Jaipur

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	03/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **In covering a distance of 90 km, Anirudh takes 8 hours more than Burhan. If Anirudh doubles his speed, then he would take 7 hour less than Burhan. Anirudh's speed is:**

Ans
- ✗ A. 10 km/h
- ✗ B. 11 km/h
- ✗ C. 8 km/h
- ✓ D. 3 km/h

Q.2 **Two numbers X and Y are in ratio as 8 : 13. The LCM of these two numbers is 832. How much the value of Y is more than X?**

Ans
- ✗ A. 30
- ✗ B. 50
- ✗ C. 45
- ✓ D. 40

Q.3 $6\frac{7}{15} + x = 8\frac{3}{5}$

Ans
- ✓ A.
- ✗ B. $2\frac{3}{15}$
- ✗ C. $5\frac{4}{5}$
- ✗ D. $6\frac{3}{5}$

Q.4 **A solid metallic hemisphere of radius 5.4 cm is melted and recast into a right circular cylinder of radius 12 cm. What is the height (in cm) of the cylinder?**

Ans
- ✓ A. 0.729
- ✗ B. 0.468
- ✗ C. 0.325
- ✗ D. 0.625

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Q.5 **Evaluate: 2 × {17 - 2 × (11 -5)}**

Ans

✔ A. 10

✘ B. 9

✘ C. 14

✘ D. 7

Q.6 **Evaluate**

$$\frac{0.0259 \times 2.61}{0.7 \times 18.5 \times 0.0087}.$$

Ans

✘ A. 0.54

✔ B. 0.6

✘ C. 0.75

✘ D. 0.91

Q.7 **How many two-digit numbers are divisible by 5?**

Ans

✘ A. 19

✘ B. 20

✔ C. 18

✘ D. 17

Q.8 **Evaluate:**

$$\sqrt{\left(3+\sqrt{\left((32+\sqrt{\left(8+\sqrt{\left(57+\sqrt{(49)}\right)}\right)}\right)}\right)}$$

Ans

✘ A. 6

✘ B. 5

✔ C. 3

✘ D. 4

Q.9 **The average of first 122 odd natural numbers, is:**

Ans

✘ A. 121.5

✘ B. 123

✔ C. 122

✘ D. 122.5

Q.10 **The sum of 8 numbers is 900. Find their average.**

Ans

✔ A. 112.5

✘ B. 110.5

✘ C. 111.5

✘ D. 113.5

Q.11 **A real estate agent sells two sites for ₹48,000 each. On one he gains 35% and on the other he loses 35%. What is his loss or gain percentage?**

Ans

✘ A. 12.75% Profit

✔ B. 12.25% Loss

✘ C. 12.75% Loss

✘ D. 12.25% Profit

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Q.12 What is the average speed of a car which covers half the distance with a speed of 28 km/h and the other half with a speed of 84 km/h?

Ans

✗ A. 43km/h

✗ B. 38km/h

✓ C. 42km/h

✗ D. 39km/h

Q.13 When the price of a portable hard disk is reduced by 24%, its sale increases by 35%. What is the net percentage change in the total revenue?

Ans

✗ A. 6.2% decrease

✗ B. 2.6% decrease

✗ C. 6.2% increase

✓ D. 2.6% increase

Q.14 The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 105. Find the average of the remaining two numbers?

Ans

✗ A. 181

✓ B. 199

✗ C. 182

✗ D. 200

Q.15 Suji marked a dress 50% above the cost price. If she offers a discount of 30% on the marked price and the customer pays ₹5,250, the cost price is:

Ans

✗ A. ₹7,500

✗ B. ₹6,075

✓ C. ₹5,000

✗ D. ₹5,500

Q.16 If an electricity bill is paid before the due date, one gets a reduction of 5% on the amount of the bill. By paying the bill before the due date, a person got a reduction of ₹14. The amount of his electricity bill was:

Ans

✗ A. ₹250

✗ B. ₹270

✗ C. ₹260

✓ D. ₹280

Q.17 A man riding on a bicycle at a speed of 95 km/h crosses a bridge in 6 minutes. Find the length of the bridge?

Ans

✗ A. 0.2 km

✓ B. 9.5 km

✗ C. 4.6 km

✗ D. 3.2 km

Q.18 The sum of the length, width and depth of a cuboid is 8 cm and its diagonal is 5 cm. What is its surface area?

Ans

✗ A. 1. 89 cm^2

✗ B. 2. 25 cm^2

✓ C. 3. 39 cm^2

✗ D. 4. 64 cm^2

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Q.19 A shopkeeper bought an item for ₹400. He sold it at a profit of 25%. Then, the buyer sold it to another person at a loss of 10%. What is the final selling price?

Ans
- ✗ A. ₹360
- ✗ B. ₹500
- ✗ C. ₹405
- ✓ D. ₹450

Q.20 Manoj can do a piece of work in 8 hours. Anand can do it in 8 hours. With the assistance of Anil, they completed the work in 2 hours. In how many hours can Anil alone do it?

Ans
- ✗ A. 6
- ✗ B. 5
- ✗ C. 3
- ✓ D. 4

Q.21 A number when increased by 40 %', gives 3710. The number is:

Ans
- ✗ A. 1325
- ✗ B. 5300
- ✗ C. 7950
- ✓ D. 2650

Q.22 A sum, when invested at 10% simple interest per annum, amounts to ₹2640 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?

Ans
- ✗ A. 110
- ✗ B. 440
- ✗ C. 880
- ✓ D. 220

Q.23 Evaluate: 2 × {17 - 2 × (9 -4)}

Ans
- ✗ A. 11
- ✗ B. 18
- ✓ C. 14
- ✗ D. 13

Q.24 The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 128. Find the average of the remaining two numbers?

Ans
- ✓ A. 186.5
- ✗ B. 205
- ✗ C. 187.5
- ✗ D. 206

Q.25 PQRS is a parallelogram, PX ⊥ SR and RY ⊥ PS. If PQ = 21 cm, PX = 8 cm and RY = 12 cm, find PS.

Ans
- ✓ A. 14 cm
- ✗ B. 15 cm
- ✗ C. 16 cm
- ✗ D. 13 cm

Q.26 If 3 , 60 , 62 , and y are in proportion, then the value of y is:

Ans
- ✓ A. 1240
- ✗ B. 1234
- ✗ C. 1249
- ✗ D. 1245

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Q.27 **Swara deposited ₹75,000 with a finance company for 3 years at an interest of 12% per annum, compounded annually. What is the compound interest that Swara gets after 3 years?**

Ans

✗ A. ₹30,036.25

✗ B. ₹33,009.60

✗ C. ₹33,609.25

✓ D. ₹30,369.60

Q.28 **A person can complete a journey in 22 hours. He covers the first one-third part of the journey at the rate of 15 km/h and the remaining distance at the rate of 45 km/h. What is the total distance of his journey (in km)?**

Ans

✗ A. 584

✗ B. 585

✓ C. 594

✗ D. 590

Q.29 **If 25% of a number is added to 60, then the result is the same number. 80% of the same number is:**

Ans

✗ A. 34

✓ B. 64

✗ C. 94

✗ D. 84

Q.30 **Ajay received ₹41,160 for lending ₹z for 3 years at the rate of 40% per annum compound interest. What is the value of z (in ₹)?**

Ans

✗ A. 15,250

✗ B. 15,750

✓ C. 15,000

✗ D. 15,500

Q.31 Pipes A and B can empty a full tank in 5 hours and 12 hours respectively. Pipe C can fill the same empty tank in 2 hours. If all the three pipes are opened together, then the tank will be filled in:

Ans

✓ A. $\frac{60}{13}$ hours

✗ B. $\frac{50}{13}$ hours

✗ C. $\frac{65}{12}$ hours

✗ D. $\frac{55}{12}$ hours

Q.32 **Jitesh and Kamal can complete a certain piece of work in 7 and 16 days, respectively, They started to work together, and after 2 days, Kamal left. In how many days will Jitesh complete the remaining work?**

Ans

✗ A. $\frac{233}{58}$

✗ B. $\frac{230}{57}$

✗ C. $\frac{234}{56}$

✓ D. $\frac{231}{56}$

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Q.33 An amount of ₹840 is divided among three persons in the ratio of 16 : 6 : 18. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans
- ✔ A. 252
- ✘ B. 179
- ✘ C. 169
- ✘ D. 168

Q.34 A vendor has 120 kg rice of one kind, 160 kg of another kind and 210 kg of a third kind. He wants to sell the rice by filling the three kinds of rice in bags of equal capacity. What should be the greatest capacity of such a bag?

Ans
- ✘ A. 24 kg
- ✔ B. 10 kg
- ✘ C. 15 kg
- ✘ D. 12 kg

Q.35 The average of 12 numbers is 39. If the number 52 is also included, then what will be the average of these 13 numbers?

Ans
- ✘ A. 43.33
- ✘ B. 46
- ✘ C. 42
- ✔ D. 40

Section : **General Intelligence and Reasoning**

Q.36 In a certain code language,
A + B means 'A is the brother of B',
A – B means 'A is the mother of B',
A x B means 'A is the daughter of B',
A ÷ B means 'A is the husband of B'.

Based on the above, how is P related to T if 'P x Q ÷ R – S + T'?

Ans
- ✘ A. Daughter
- ✘ B. Father's sister
- ✔ C. Sister
- ✘ D. Brother's daughter

Q.37 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.
(Left) 2 6 # @ 8 $ 7 + 1 * £ 5 & 3 Ω 9 % 4 (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another number?

Ans
- ✘ A. 7
- ✘ B. 4
- ✘ C. 6
- ✔ D. 5

Q.38 What should come in place of the question mark (?) in the given series?

17 20 29 44 65 ?

Ans
- ✘ A. 87
- ✘ B. 85
- ✘ C. 78
- ✔ D. 92

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Q.39 What should come in place of the question mark (?) in the given series?

8 24 56 104 168 ?

Ans

✗ A. 264

✗ B. 240

✗ C. 246

✓ D. 248

Q.40 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GHI : LMN
PQR : UVW

Ans

✓ A. CDE : HIJ

✗ B. STU : YZA

✗ C. KLM : OPQ

✗ D. EFG : HIJ

Q.41 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only two people sit to the right of D. Only two people sit between D and E. Only two people sit between G and B. B sits to the immediate left of D. C sits to the immediate right of F. How many people sit between A and D?

Ans

✗ A. 3

✗ B. 4

✓ C. 1

✗ D. 2

Q.42 E, F, K, L, M and Z live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.
Only two people live between L and Z. Only K lives above E. F lives on an even numbered floor. L lives on the lowermost floor. How many people live between M and K?

Ans

✓ A. Two

✗ B. Four

✗ C. One

✗ D. Three

Q.43 In a certain code language, 'SALT' is coded as '1368' and 'TALC' is coded as '6581'. What is the code for 'C' in the given code language?

Ans

✗ A. 1

✗ B. 6

✓ C. 5

✗ D. 8

Q.44 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

TRC - USD
WXV - XYW

Ans

✗ A. SDF - TEH

✗ B. MXO - NYQ

✗ C. LON - NPM

✓ D. DFG - EGH

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Q.45 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans

✗ A. XQOI

✓ B. DWVO

✗ C. SLJD

✗ D. IBZT

Q.46 **What will come in place of the question mark (?) in the following equation if '−' and '+' are interchanged and '÷' and '×' are interchanged?**

$$17 + \sqrt[2]{9} \div \sqrt[2]{25} \times 5 - 10 = ?$$

Ans

✗ A. 17

✗ B. 2

✓ C. 24

✗ D. 10

Q.47 **What should come in place of the question mark (?) in the given series?**

21, 121, 601, 2401, 7201, ?

Ans

✓ A. 14401

✗ B. 1501

✗ C. 7201

✗ D. 7301

Q.48 **In a certain code language,**
'A # B' means 'A is the mother of B',
'A % B' means 'A is the brother of B',
'A − B' means 'A is the wife of B' and
'A @ B' means 'A is the father of B'.

How is K related to Y if 'K − L @ P # O % Y'?

Ans

✗ A. Mother's sister

✗ B. Mother

✗ C. Sister

✓ D. Mother's mother

Q.49 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

EVM GXO IZQ KBS ?

Ans

✗ A. DUM

✗ B. MUD

✓ C. MDU

✗ D. UMD

Q.50 **What will come in place of the question mark (?) in the following equation if '−' and '+' are interchanged and '÷' and '×' are interchanged?**

$$(7 - 4) \div (9 - 3) \times (9 + 3) = ?$$

Ans

✓ A. 22

✗ B. 11

✗ C. 6

✗ D. 12

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Q.51 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. LR-VD
- ✗ B. GM-QY
- ✓ C. NT-EF
- ✗ D. OU-YG

Q.52 **In a row of people all facing North, Ginny is 7th from the left end. Steve is 12th from the left end. Steve is exactly between Ginny and Kiran. If Kiran is 10th from the right end of the line, how many people are there in the row?**

Ans
- ✗ A. 27
- ✗ B. 25
- ✓ C. 26
- ✗ D. 24

Q.53 **In a certain code language, 'put it away' is coded as 'aj tj tr' and 'it is raining' is coded as 'lo tr mo'. How is 'it' coded in the given language?**

Ans
- ✓ A. tr
- ✗ B. jk
- ✗ C. lo
- ✗ D. aj

Q.54 **Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.**
CBD–ZYA
YXZ–VUW

Ans
- ✗ A. UST–RQS
- ✗ B. UST–QPR
- ✓ C. HGI–EDF
- ✗ D. UTV–QQR

Q.55 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All bulbs are grapes.
All grapes are lights.

Conclusions:
(I) : Some lights are grapes.
(II) : All bulbs are lights.

Ans
- ✗ A. Only conclusion (II) follows
- ✗ B. Only conclusion (I) follows
- ✗ C. Neither conclusion (I) nor (II) follows
- ✓ D. Both conclusions (I) and (II) follow

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Q.56 **In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

55 - 46
30 - 21

Ans

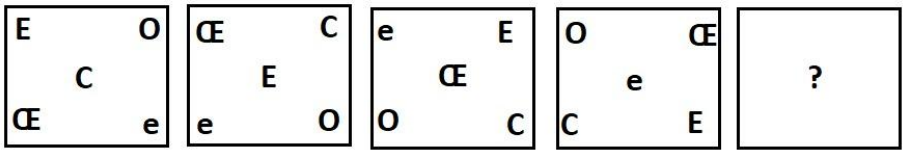
✗ A. 13 - 5

✗ B. 113 - 106

✗ C. 47 - 35

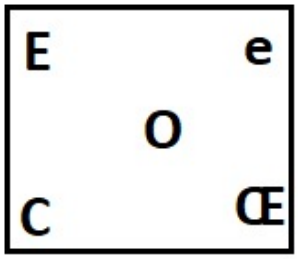
✓ D. 22 - 13

Q.57

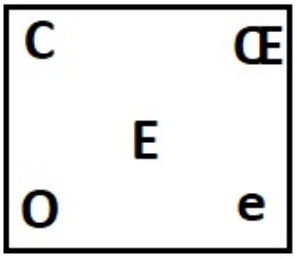


Ans

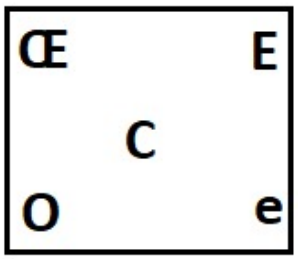
✗ A.



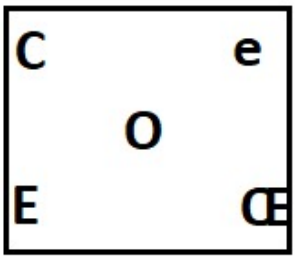
✗ B.



✗ C.



✓ D.



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Q.58 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

EJ23 FK34 GL45 HM56 ?

Ans

✗ A. IM67

✓ B. IN67

✗ C. IM68

✗ D. IN68

Q.59 **Which of the following letter number-clusters will replace the question mark (?) in the given series to make it logically complete?**

FI31 EH39 DG47 CF55 ?

Ans

✓ A. BE63

✗ B. BF64

✗ C. BE64

✗ D. BF63

Q.60 **Himanshu starts from Point A and drives 7 km towards the North. He then takes a left turn, drives 5 km, turns left and drives 10 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans

✓ A. 4 km to the west

✗ B. 5 km to the west

✗ C. 4 km to the east

✗ D. 5 km to the east

Q.61 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All stones are buns.
All stones are papers.
All papers are marbles.

Conclusions:
(I) : All stones are marbles.
(II) : Some papers are buns.

Ans

✗ A. Only conclusion (II) follows

✗ B. Only conclusion (I) follows

✗ C. Neither conclusion (I) nor (II) follows

✓ D. Both conclusions (I) and (II) follow

Q.62 **Seven people, E, F, G, H, X, Y and Z, are sitting in a row, facing north. Only two people sit between E and Y. Only F sits to the right of Z. Only one person sits between Y and Z. G sits at some place to the right of X but at some place to the left of H. How many people sit between H and X?**

Ans

✗ A. Four

✓ B. Two

✗ C. Three

✗ D. One

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Q.63 **Mayank starts from Point A and drives 11 km towards West. He then takes a left turn, drives 8 km, turns right and drives 5 km. He then takes a right turn and drives 8 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)**

Ans

✗ A. 19 km towards South

✗ B. 20 km towards North

✓ C. 22 km towards East

✗ D. 21 km towards West

Q.64 **Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only three people sit between E and B. G sits to the immediate left of B. No one sits to the right of D. Only two people sit between D and G. C sits to the immediate right of A. How many people sit to the right of B?**

Ans

✗ A. 4

✓ B. 2

✗ C. 1

✗ D. 3

Q.65 **In a certain code language, 'EDGEWAYS' is coded as 'ESYAWEGD' and 'GLYCERINE' is coded as 'GENIRECYL'. What is the code for 'JURISDICTION' in the given code language?**

Ans

✓ A. JNOITCIDSIRU

✗ B. NOITCIDSIRUJ

✗ C. NJOITCIDSIRU

✗ D. OITCIDSIRUJN

Q.66 **What will come in the place of '?' in the following equation, if '÷' and '–' are interchanged and '×' and '+' are interchanged?**
36 × 104 – 13 + 8 ÷ 38 = ?

Ans

✗ A. 72

✗ B. 42

✗ C. 52

✓ D. 62

Q.67 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) > 7 \ 9 + ? 5 # % * 2 2 + + 7 6 % 2 < ^ 7 (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

Ans

✓ A. Four

✗ B. Two

✗ C. Three

✗ D. One

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Q.68 **This question is based on the five, three-digit numbers given below.**

(Left) 354 756 423 635 679 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

Ans

✗ A. One

✓ B. Two

✗ C. None

✗ D. Three

Q.69 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All soaps are creams.
All creams are dispensers.
Some dispensers are lotions.
Conclusions:
(I): Some soaps are lotions.
(II): Some creams are lotions.

Ans

✗ A. Only conclusion (I) follows.

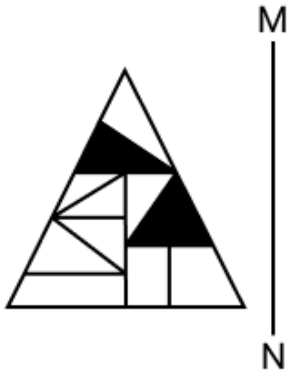
✗ B. Only conclusion (II) follows.

✗ C. Both conclusions (I) and (II) follow.

✓ D. Neither conclusion (I) nor (II) follows.

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Q.70



Ans

✗ A.



✗ B.



✓ C.



✗ D.



Section : **General Awareness**

Q.71 **In August 2024, Bharat Biotech International Ltd launched Hillchol, a novel single-strain oral vaccine for which disease?**

Ans

✗ A. Measles

✓ B. Cholera

✗ C. Chicken pox

✗ D. Cancer

Q.72 **What is the name of the law which states that in a mixture of gases, the total pressure is equal to the sum of the partial pressures of the individual gases?**

Ans

✓ A. Dalton's Law of Partial Pressures

✗ B. Boyle's Law of Partial Pressures

✗ C. Charles's Law of Partial Pressures

✗ D. Avogadro's Law of Partial Pressures

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Q.73 **Prime Minister Narendra Modi addressed the ____U.N. General Assembly session in New York in September 2024.**

Ans

✗ A. 1. 59th

✗ B. 2. 84th

✓ C. 3. 79th

✗ D. 4. 64th

Q.74 **When did UNESCO inscribe the Kumbh Mela in its list of Intangible Cultural Heritage of Humanity?**

Ans

✗ A. 2016

✓ B. 2017

✗ C. 2015

✗ D. 2018

Q.75 **Ramanuja, who propounded the doctrine of Vishishtadvaita and who believed that the best means of attaining salvation was through intense devotion to Vishnu, was born in which Indian state in the 11th Century?**

Ans

✗ A. Kerala

✗ B. Maharashtra

✗ C. Gujarat

✓ D. Tamil Nadu

Q.76 **Which of the following metals is extracted from the Monazite sand in plenty in India?**

Ans

✗ A. Gold

✗ B. Bauxite

✗ C. Copper

✓ D. Thorium

Q.77 **In September 2024, India Defence Aviation Exposition (IDAX-24) was held in ____.**

Ans

✗ A. Lucknow

✗ B. Chennai

✓ C. Jodhpur

✗ D. Jaipur

Q.78 **The weighted average lending rate (WALR) on fresh rupee loans rose by how many basis points (bps) from May 2022 to August 2024, in India?**

Ans

✗ A. 243 bps

✓ B. 190 bps

✗ C. 100 bps

✗ D. 119 bps

Q.79 **Which of the following Acts provided for the establishment of an All-India Federation consisting of provinces and princely states as units?**

Ans

✓ A. Government of India Act, 1935

✗ B. Government of India Act, 1909

✗ C. Government of India Act, 1919

✗ D. Government of India Act, 1929

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Q.80 **What percentage of the total Union Budget does the Defence Budget constitute for the Financial Year 2024-25?**

Ans
- ✔ A. 13.04%
- ✘ B. 12.3%
- ✘ C. 10.8%
- ✘ D. 11.5%

Q.81 **Avogadro's Law is correctly represented by which of the following statements?**

Ans
- ✘ A. The pressure of a gas is directly proportional to its absolute temperature at constant volume.
- ✘ B. The total pressure of a mixture of gases is equal to the sum of the partial pressures of the individual gases.
- ✘ C. The volume of a gas is directly proportional to its temperature at constant pressure.
- ✔ D. Equal volumes of gases at the same temperature and pressure contain an equal number of molecules.

Q.82 **During which movement in 1920 did Mahatma Gandhi call for the boycott of foreign clothes in West Godavari?**

Ans
- ✘ A. Ghadar Movement
- ✔ B. Non-cooperation Movement
- ✘ C. Quit India Movement
- ✘ D. Civil Disobedience Movement

Q.83 **According to the Economic Survey 2023-24 presented in Parliament on 22 July 2024, capital expenditure for FY24 stood at ₹9.5 lakh crore, an increase of _____ on a year-on-year basis?**

Ans
- ✔ A. 28.2%
- ✘ B. 17.6%
- ✘ C. 19.3%
- ✘ D. 15.2%

Q.84 **Which Iranian leader died due to a helicopter crash in May 2024?**

Ans
- ✘ A. Saddam Hussain
- ✘ B. Ali Khameini
- ✘ C. Yasser Arafat
- ✔ D. Ebrahim Raisi

Q.85 **The Sustainable Development Goals (SDGs) are a set of 17 goals to help organise and streamline development actions for greater achievement of human well-being, while leaving no one behind by _____.**

Ans
- ✘ A. 2035
- ✘ B. 2025
- ✔ C. 2030
- ✘ D. 2033

Q.86 **Fundamental Rights have been provided in the Constitution under which Part?**

Ans
- ✘ A. Part IV
- ✔ B. Part III
- ✘ C. Part I
- ✘ D. Part II

Q.87 **In 2024, IIT Kanpur introduced the Continuing Medical Education (CME) Programme to up-skill which group of professionals?**

Ans
- ✔ A. Medical officers and paramedical staff
- ✘ B. Pharmaceutical technicians
- ✘ C. Hospital administrators and managers
- ✘ D. Medical researchers and scientists

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Q.88 **The sacred journey of Lord Jagannath with brother Balabhadra and sister Subhadra from the Jagannath Temple of Puri, popularly known as 'Rath Yatra', starts in the Hindu month of ____.**

Ans

✗ A. Bhadra

✓ B. Ashadha

✗ C. Jyeshtha

✗ D. Shravana

Q.89 **Which of the following is NOT a team in Pro Kabaddi league 2024?**

Ans

✗ A. Haryana Steelers

✓ B. Kolkata Pirates

✗ C. Puneri Paltan

✗ D. Gujrat Giants

Q.90 **Which of the following online travel platforms has teamed up with Bank of Baroda to introduce a co-branded travel debit card in September 2024?**

Ans

✗ A. MakeMyTrip.com

✓ B. EaseMyTrip.com

✗ C. Agoda.com

✗ D. Yatra.com

Q.91 **In August 2024, the Reserve Bank of India (RBI) set up a 10-member committee under Deputy Governor Michael Debabrata Patra to benchmark its statistics against global standards. By when was/is the committee expected to submit its report?**

Ans

✗ A. End of October 2024

✓ B. End of November 2024

✗ C. End of September 2024

✗ D. End of December 2024

Q.92 **Who among the following was the British General who suppressed the Revolt of 1857 in Delhi?**

Ans

✗ A. Sir Colin Campbell

✗ B. Henry Lawrence

✗ C. General Hugh Rose

✓ D. John Nicholson

Q.93 **Which of the following Articles of the Indian Constitution guarantees 'Equality before the Law' and 'Equal protection of the law'?**

Ans

✗ A. Article 16

✗ B. Article 19

✓ C. Article 14

✗ D. Article 12

Q.94 **If an object is moving along a straight line and with respect to some reference point, its position is x_1 at time t_1 and becomes x_2 at time t_2. The average velocity of the object during this time interval would be:**

Ans

✓ A. 1. $(x_2 - x_1) / (t_2 - t_1)$

✗ B. 2. $(x_2 - x_1) / t_2$

✗ C. 3. $(x_2 / t_2) + (x_1 / t_1)$

✗ D. 4. $x_2 / (t_2 - t_1)$

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Q.95 **Purusha Sukta is mentioned in which of the following Vedas?**

Ans

✗ A. Samaveda

✗ B. Atharvaveda

✓ C. Rigveda

✗ D. Yajurveda

Q.96 **Which region in India has the highest annual rainfall?**

Ans

✗ A. Ladakh

✗ B. Western Rajasthan

✓ C. East Khasi Hills

✗ D. Northern Ganga plain

Q.97 **Which five-year plan made in 1956 focused on the development of heavy industries like steel and construction of large dams?**

Ans

✗ A. Third Five-Year Plan

✗ B. Fourth Five-Year Plan

✗ C. First Five-Year Plan

✓ D. Second Five-Year Plan

Q.98 **The Fundamental Duties in the Indian Constitution have been inspired by which of the following countries' constitution?**

Ans

✗ A. The United States of America

✓ B. Erstwhile USSR

✗ C. Ireland

✗ D. Germany

Q.99 **The traditional Hindu festival of Chhath, observed by people all over Bihar, Jharkhand and parts of Uttar Pradesh, takes place after the festival of ____.**

Ans

✗ A. Sankranti

✗ B. Holi

✗ C. Dussehra

✓ D. Diwali

Q.100 **Which extremist leader is known as 'Lokmanya'?**

Ans

✓ A. Bal Gangadhar Tilak

✗ B. Lala Lajpat Rai

✗ C. Bipin Chandra Pal

✗ D. Aurobindo Ghosh

Q.101 **What is the goal of the Mahatma Gandhi National Rural Employment Guarantee Act?**

Ans

✗ A. Provide rural infrastructure.

✗ B. Promote urbanisation in rural areas.

✗ C. Eliminate farming as a livelihood.

✓ D. Ensure at least 100 days of wage employment in a financial year.

Q.102 **Which metal coins of the Gupta period were known as 'Rūpaka'?**

Ans

✗ A. Copper coins

✗ B. Gold coins

✗ C. Iron coins

✓ D. Silver coins

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Q.103 **In which of the following states did the 38th National Games take place from 28 January to 14 February 2025?**

Ans
- ✔ A. Uttarakhand
- ✘ B. Goa
- ✘ C. Bihar
- ✘ D. Punjab

Q.104 **Which of the following scientists is known as the Father of the Green Revolution in India?**

Ans
- ✘ A. CV Raman
- ✘ B. Homi Bhabha
- ✘ C. Vikram Sarabhai
- ✔ D. MS Swaminathan

Q.105 **Which plateau in India is known for its rich gold deposits?**

Ans
- ✔ A. Deccan Plateau
- ✘ B. Malwa Plateau
- ✘ C. Bundelkhand Plateau
- ✘ D. Chota Nagpur Plateau

Q.106 **Which of the following is a prominent feature of the Thar Desert?**

Ans
- ✘ A. River valleys
- ✔ B. Sand dunes
- ✘ C. Rocky mountains
- ✘ D. Dense forests

Q.107 **Who among the following was sent to India in March 1942 to seek the cooperation of the Indian political groups?**

Ans
- ✔ A. Stafford Cripps
- ✘ B. Geoffrey Howe
- ✘ C. William Pitt
- ✘ D. Philip Hammond

Q.108 **Which of the following is a Directive Principle of State Policy mentioned in the Indian Constitution?**

Ans
- ✘ A. Constitutional remedies for enforcement of rights of the public
- ✘ B. Prohibition of discrimination on grounds of religion
- ✔ C. Provision for a uniform civil code
- ✘ D. To make provision for freedom of speech

Q.109 **On which of the following scientific principles does a hydroelectric power generator work?**

Ans
- ✘ A. Extraction of geothermal energy of ocean to produce electricity
- ✔ B. Conversion of gravitational potential energy into electrical energy using flowing water
- ✘ C. Heating water to produce steam and then running steam engine to generate electricity
- ✘ D. Separation of hydrogen from water and then burning it to generate electricity

Q.110 **The 31st edition of the Singapore India Maritime Bilateral Exercise (SIMBEX) was held in _____.**

Ans
- ✘ A. Chennai
- ✔ B. Visakhapatnam
- ✘ C. Mumbai
- ✘ D. Cochin

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Q.111 Who among the following is NOT a part of the Union Cabinet?

Ans

✗ A. The Prime Minister

✗ B. Minister of State without independent charge

✗ C. Minister of State with independent charge

✓ D. Chief Minister of a State

Q.112 Which of the following best describes seasonal unemployment?

Ans

✗ A. Unemployment during economic downturns

✗ B. Long-term unemployment

✓ C. Unemployment during certain seasons of the year

✗ D. Joblessness due to lack of skills

Q.113 What is the Standard Meridian of India?

Ans

✓ A. 82°30' E

✗ B. 77°30' E

✗ C. 68°7' E

✗ D. 90° 30' E

Q.114 Which place is the junction of the East-West and North-South corridors in India?

Ans

✗ A. Jabalpur

✗ B. Lucknow

✗ C. Bhopal

✓ D. Jhansi

Q.115 What does LPG stand for in the context of India's economic reforms?

Ans

✗ A. Low Price Goods

✗ B. Labour Policy Guidelines

✗ C. Liquefied Petroleum Gas

✓ D. Liberalisation, Privatisation, Globalisation

Q.116 Who appoints the Chairman and members of the State Administrative Tribunals (SATs)?

Ans

✓ A. The President of India, after consultation with the Governor of the concerned state

✗ B. The Governor of the concerned state

✗ C. The Chief Justice of the concerned High Court

✗ D. The Prime Minister of India, after consulting the Chief Minister of the state

Q.117 National Logistics Policy (NLP) was launched in the year ____ and aims to lower the cost of logistics from the existing 13-14% and lead it to par with other developed countries.

Ans

✓ A. 2022

✗ B. 2023

✗ C. 2020

✗ D. 2021

Q.118 In which year was the Border Roads Organisation established by the Government of India?

Ans

✓ A. 1960

✗ B. 1952

✗ C. 1965

✗ D. 1947

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Q.119 **SBI Card, India's largest pure-play credit card issuer, in partnership with Singapore Airlines, the national carrier of Singapore, has launched the _____ SBI Card in October 2024.**

Ans

✗ A. Aeroplan

✗ B. FlyMore

✓ C. KrisFlyer

✗ D. AirPass

Q.120 **The Rutherford nuclear model of atom predicts that atoms are unstable because the accelerated electrons revolving around the nucleus must be _____ in the nucleus.**

Ans

✗ A. circular

✗ B. linear

✗ C. elliptical

✓ D. spiral

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	03/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 Safia calculated his loss percent as $14\frac{2}{7}\%$ on cost price. The ratio of

Ans
- ✗ A. 7 : 1
- ✗ B. 6 : 7
- ✗ C. 7 : 6
- ✓ D. 1 : 7

Q.2 **Arun buys an old car for ₹4,75,000 and spends ₹80,000 on its repairs. If he sells the car for ₹5,85,000, find his gain percentage. (Rounded up to two decimal places)**

Ans
- ✗ A. 5.13%
- ✗ B. 30.25%
- ✓ C. 5.41%
- ✗ D. 6.32%

Q.3 The marked price of a book is ₹2,400. A bookseller gives a discount

Ans
- ✗ A. 1,800
- ✓ B. 1,600
- ✗ C. 1,700
- ✗ D. 1,500

Q.4 **Evaluate:**

$$\sqrt{\left(42+\sqrt{\left((40+\sqrt{\left(74+\sqrt{\left(42+\sqrt{(49)}\right)}\right)}\right)}\right)}$$

Ans
- ✗ A. 9
- ✗ B. 5
- ✗ C. 6
- ✓ D. 7

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Q.5 How many seconds will a boy take to run one complete round around a square field of side 55 metres, if he runs at a speed of 18 km/h?

Ans

✔ A. 44

✘ B. 47

✘ C. 35

✘ D. 37

Q.6 The marked price of an item ₹ 25,000. Under a scheme, successive discounts of 10% and 8% are given on it. Find the total discount given while selling the item under the given scheme.

Ans

✘ A. ₹4,500

✘ B. ₹4,400

✔ C. ₹4,300

✘ D. ₹4,600

Q.7 If the radius of the base of a right circular cylinder is decreased by 27% and its height is increased by 237%, then what is the percentage increase (closest integer) in its volume?

Ans

✘ A. 87%

✘ B. 97%

✘ C. 95%

✔ D. 80%

Q.8 If the radius of a cylinder is doubled and the height is halved, then the volume change will be:

Ans

✘ A. 50% increase

✘ B. 50% decrease

✔ C. 100% increase

✘ D. 75% decrease

Q.9 The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 128. Find the average of the remaining two numbers?

Ans

✘ A. 189.5

✘ B. 204

✘ C. 203

✔ D. 188.5

Q.10 In a race, an athlete covers a distance of 312 m in 104 sec in the first lap. He covers the second lap of the same length in 52 sec. What is the average speed (in m/sec) of the athlete?

Ans

✔ A. 4

✘ B. 8

✘ C. 12

✘ D. 10

Q.11 Evaluate: 2 × {17 - 2 × (9 -6)}

Ans

✘ A. 26

✘ B. 21

✘ C. 19

✔ D. 22

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Q.12 **A number when increased by 50 %', gives 2580. The number is:**

Ans

✔ A. 1720

✘ B. 860

✘ C. 5160

✘ D. 3440

Q.13 **Convert 0.363636 into a fraction.**

Ans

✔ A. 36/99

✘ B. 36/100

✘ C. 3636/1000

✘ D. 63/99

Q.14 **Seven bells ring at intervals of 2, 3, 4, 6, 8, 9 and 12 minutes, respectively. They started ringing simultaneously at 7.10 in the morning. What will be the next time when they all ring simultaneously?**

Ans

✘ A. 8.26 a.m.

✘ B. 8.24 a.m.

✘ C. 8.20 a.m.

✔ D. 8.22 a.m.

Q.15 **Evaluate: 2 × {17 - 2 × (10 -6)}**

Ans

✘ A. 17

✘ B. 22

✔ C. 18

✘ D. 15

Q.16 Find the compound interest on ₹20,000 at 20% p.a for $1\frac{1}{2}$ years com

Ans

✘ A. ₹5,620

✘ B. ₹6,620

✔ C. ₹4,620

✘ D. ₹7,620

Q.17 **If 125 : y :: y : 180, find the positive value of y.**

Ans

✔ A. 150

✘ B. 158

✘ C. 148

✘ D. 145

Q.18 **In ∆LMN, medians MX and NY are perpendicular to each other and intersect at Z. If MX = 20 cm and NY = 30 cm, what is the area of ∆LMN (in cm^2)?**

Ans

✘ A. 200

✘ B. 300

✔ C. 400

✘ D. 450

Q.19 **Which of the following numbers is divisible by 11?**

Ans

✘ A. 4836

✔ B. 5621

✘ C. 3273

✘ D. 2987

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Q.20 The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 106. Find the average of the remaining two numbers?

Ans
- ✗ A. 182
- ✗ B. 183
- ✗ C. 199.5
- ✓ D. 198.5

Q.21 The population of a town increases by 16% each year. If the population at the beginning of this year is 18,750, what will the population be at the end of next year?

Ans
- ✗ A. 19,230
- ✗ B. 24,750
- ✗ C. 21,750
- ✓ D. 25,230

Q.22 For what value of A, will the expression (13.56 × 13.56 + 13.56 × A + 0.04 × 0.04) be a perfect square?

Ans
- ✗ A. 0.12
- ✗ B. 0.04
- ✗ C. 0.16
- ✓ D. 0.08

Q.23 A man riding on a bicycle at a speed of 93 km/h crosses a bridge in 36 minutes. Find the length of the bridge?

Ans
- ✓ A. 55.8 km
- ✗ B. 50.5 km
- ✗ C. 46.4 km
- ✗ D. 46.9 km

Q.24 The average of first 120 odd natural numbers, is:

Ans
- ✗ A. 121
- ✓ B. 120
- ✗ C. 119.5
- ✗ D. 120.5

Q.25 If the least common multiple of 85 and 255 can be expressed as 85R+255, then the value of R is:

Ans
- ✓ A. 0
- ✗ B. 6
- ✗ C. 10
- ✗ D. 14

Q.26 A pipe can fill a tank in 9 hours. Another pipe can empty the filled tank in 27 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:

Ans
- ✓ A. 9
- ✗ B. 18
- ✗ C. 36
- ✗ D. 27

Q.27 The sum of 8 numbers is 684. Find their average.

Ans
- ✗ A. 86.5
- ✗ B. 84.5
- ✓ C. 85.5
- ✗ D. 83.5

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Q.28 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 103. Find the average of the remaining two numbers?

Ans

✗ A. 199

✗ B. 181

✗ C. 182

✓ D. 198

Q.29 A cuboid has dimensions of length 10 cm, width 5 cm and height 8 cm. A cube with side length 5 cm is cut out from one of the faces of the cuboid. What is the remaining volume of the cuboid?

Ans

✓ A. 1. 275 cm^3

✗ B. 2. 225 cm^3

✗ C. 3. 200 cm^3

✗ D. 4. 250 cm^3

Q.30 Jitesh and Kamal can complete a certain piece of work in 18 and 17 days, respectively, They started to work together, and after 5 days, Kamal left. In how many days will Jitesh complete the remaining work?

Ans

✗ A. $\frac{2355}{307}$

✗ B. $\frac{2360}{308}$

✗ C. $\frac{2361}{306}$

✓ D. $\frac{2358}{306}$

Q.31 How many seconds will a boy take to run one complete round around a square field of side 38 metres, if he runs at a speed of 6 km/h?

Ans

✗ A. 71.2

✗ B. 61.2

✓ C. 91.2

✗ D. 50.1

Q.32 A sum, when invested at 10% simple interest per annum, amounts to ₹4080 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?

Ans

✗ A. 170

✗ B. 1360

✓ C. 340

✗ D. 680

Q.33 A pipe can fill a tank in 6 hours, and another pipe can fill the same tank in 8 hours. If both pipes are opened at the same time, how long (in hours, rounded off to one decimal place) will it take to fill the tank?

Ans

✓ A. 3.4 hours

✗ B. 4 hours

✗ C. 5 hours

✗ D. 2.5 hours

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Q.34 **The monthly incomes of two friends Vipul and Vijay, are in the ratio 5 : 7 respectively and each of them saves ₹81000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Vipul(in ₹).**

Ans

✗ A. 134000

✗ B. 136000

✓ C. 135000

✗ D. 189000

Q.35 **In a business with C, A and B invest ₹50,000 and ₹60,000, respectively. The profit of C is double the profit of B. If the total profit is ₹23,000, then the profit of A (in ₹) is:**

Ans

✗ A. 6,000

✗ B. 3,000

✓ C. 5,000

✗ D. 2,500

Section : **General Intelligence and Reasoning**

Q.36 **In a certain code language,**
A x B means 'A is the mother of B',
A - B means 'A is the brother of B',
A + B means 'A is the wife of B',
A = B means 'A is the father of B'.

Based on the above, how is T related to K if 'T x D – S + W = K'?

Ans

✗ A. Sister

✓ B. Mother's mother

✗ C. Mother

✗ D. Mother's sister

Q.37 **Each of L, M, N, O, P, Q and R has an exam on a different day of the week starting from Monday and ending on Sunday of the same week. O has an exam immediately after Q. M has an exam immediately after O and on Wednesday. Only two people have an exam between L and R. N does not have an exam immediately before R. P has an exam immediately after N. When does N have an exam?**

Ans

✗ A. Tuesday

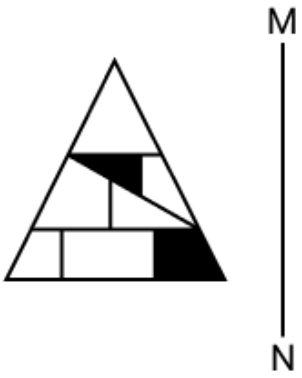
✗ B. Sunday

✗ C. Wednesday

✓ D. Friday

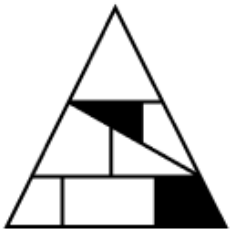
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Q.38



Ans

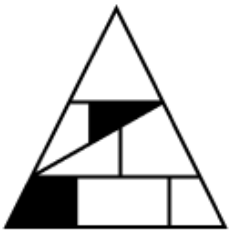
✗ A.



✗ B.



✓ C.



✗ D.



Q.39 **In a certain code language, 'CORE' is coded as '6732' and 'ROCK' is coded as '7625'. What is the code for 'K' in the given code language?**

Ans

✗ A. 7

✗ B. 6

✓ C. 5

✗ D. 2

Q.40 **This question is based on the five, three-digit numbers given below.**

(Left) 721 145 342 372 547 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

Ans

✗ A. 0

✗ B. 3

✗ C. 2

✓ D. 1

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Q.41 **In a certain code language,**
A : B means 'A is the father of B'
A + B means ' A is the wife of B'
A < B means 'A is the sister of B'
A > B means 'A is the son of B'
Based on the above, how is F related to K if 'F + R > A : N < K'?

Ans

✗ A. Brother's mother

✗ B. Brother's sister

✓ C. Brother's wife

✗ D. Brother's brother

Q.42 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All doors are walls.
All walls are floors.

Conclusions:
(I) All floors are walls.
(II) Some floors are doors.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Only conclusion (I) follows.

✗ C. Neither conclusion (I) nor (II) follows.

✓ D. Only conclusion (II) follows.

Q.43 **What will come in the place of '?' in the following equation, if '×' and '÷' are interchanged and '−' and '+' are interchanged?**
12 ÷ 25 + 15 × 3 − 44 = ?

Ans

✗ A. 399

✗ B. 369

✗ C. 429

✓ D. 339

Q.44 **This question is based on the five, three-digit numbers given below.**

(Left) 842 234 371 723 463 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans

✗ A. 7

✗ B. 6

✓ C. 5

✗ D. 4

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Q.45 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some pears are candles.
All drillers are candles.
Conclusions:
(I): Some pears are drillers.
(II): All candles are drillers.

Ans
- ✗ A. Only conclusion (II) follows.
- ✗ B. Both conclusions (I) and (II) follow.
- ✗ C. Only conclusion (I) follows.
- ✓ D. Neither conclusion (I) nor (II) follows.

Q.46 **What should come in place of the question mark (?) in the given series?**

7 10 13 22 25 ?

Ans
- ✗ A. 42
- ✓ B. 46
- ✗ C. 48
- ✗ D. 54

Q.47 **In a certain code language, 'FAKE' is coded as '4286' and 'KIDS' is coded as '3879'. What is the code for 'K' in the given code language?**

Ans
- ✗ A. 6
- ✗ B. 3
- ✗ C. 7
- ✓ D. 8

Q.48 **Hitesh starts from Point A and drives 6 km towards North. He then takes a right turn, drives 7 km, turns right and drives 9 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans
- ✓ A. 3 km to the east
- ✗ B. 4 km to the west
- ✗ C. 3 km to the west
- ✗ D. 4 km to the east

Q.49 **Varun starts from Point A and drives 37 km towards the north. He then takes a right turn, drives 39 km, turns right and drives 40 km. He then takes a right turn and drives 45 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✗ A. 5 km to the west
- ✓ B. 6 km to the east
- ✗ C. 6 km to the west
- ✗ D. 5 km to the east

Q.50 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

HDX 7, MIC 16, RNH 34, WSM 70, BXR 142, ?

Ans
- ✗ A. GCW 268
- ✗ B. GCL 286
- ✗ C. HCW 286
- ✓ D. GCW 286

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Q.51 **SQUX is related to XVZC in a certain way based on the English alphabetical order. In the same way, YWAD is related to DBFI. To which of the given options is KIMP related, following the same logic?**

Ans

✔ A. PNRU

✘ B. PNQU

✘ C. POQU

✘ D. PMQU

Q.52 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

RCM 15, WHH 25, BMC 35, GRX 45, ?

Ans

✘ A. MWR 55

✘ B. MWC 53

✔ C. LWS 55

✘ D. LWC 53

Q.53 **D, E, F, P, Q, and R are sitting in a row facing north. Only R sits to the right of P. Only one person sits between P and Q. Only one person sits to the left of F. E is not an immediate neighbour of Q. How many people sit between E and D?**

Ans

✘ A. Zero

✘ B. Three

✔ C. Two

✘ D. One

Q.54 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All bowls are glasses.
All glasses are plates.
Some bowls are spoons.

Conclusions:
(I) Some plates are bowls.
(II) All glasses are spoons.

Ans

✔ A. Only conclusion (I) follows.

✘ B. Both conclusions (I) and (II) follow.

✘ C. Only conclusion (II) follows.

✘ D. Neither conclusion (I) nor (II) follows.

Q.55 **What will come in the place of the question mark (?) in the following equation if '9' and '3' are interchanged?**

2 – 3 ÷ 9 × 6 + 5 =?

Ans

✔ A. – 11

✘ B. 5

✘ C. – 9

✘ D. 13/3

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Q.56 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. No one sits to the right of B. Only three people sit between B and G. Only two people sit between G and D. E sits third to the left of F. C sits to the immediate right of F. How many people sit to the left of G?

Ans

✗ A. 1

✓ B. 2

✗ C. 3

✗ D. 4

Q.57 In a certain code language, 'RUTP' is coded as '2593' and 'TEPR' is coded as '9563'.What is the code for 'E' in the given code language?

Ans

✗ A. 3

✓ B. 6

✗ C. 5

✗ D. 9

Q.58 In a row of 54 students facing North, Karma is 12th from the left end. If Namgyal is 21st to the right of Karma, what is Namgyal's position from the right end of the line?

Ans

✗ A. 1. 21st

✗ B. 2. 24th

✓ C. 3. 22nd

✗ D. 4. 23rd

Q.59 What will come in the place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?
15 − 5 + 18 × 6 ÷ 3 = ?

Ans

✗ A. 16

✗ B. 1

✗ C. 29

✓ D. 11

Q.60 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. HJ - LN

✗ B. DF - HJ

✓ C. PR - UW

✗ D. LN - PR

Q.61 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✓ A. TYO

✗ B. MRW

✗ C. RWB

✗ D. AFK

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Q.62 Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.
LHE : KDF
KGM : JCN

Ans
- ✗ A. HOL : GLM
- ✗ B. FQN : EMP
- ✓ C. GTF : FPG
- ✗ D. CPI : BKJ

Q.63 What should come in place of the question mark (?) in the given series?

133 108 85 64 45 ?

Ans
- ✗ A. 32
- ✗ B. 24
- ✗ C. 36
- ✓ D. 28

Q.64 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
11 - 12 - 23
4 - 45 - 49

Ans
- ✗ A. 5 - 23 - 38
- ✗ B. 34 - 6 - 43
- ✓ C. 68 - 12 - 80
- ✗ D. 56 - 50 - 123

Q.65 What should come in place of '?' in the given series?

96 102 114 132 ? 186

Ans
- ✗ A. 146
- ✗ B. 176
- ✗ C. 166
- ✓ D. 156

Q.66 What should come in place of '?' in the given series based on the English alphabetical order?

MRW, TUY, AXA, ?, ODE

Ans
- ✗ A. HZD
- ✗ B. HZC
- ✗ C. HAD
- ✓ D. HAC

Q.67 Seven friends, Q, R, S, T, W, X and Y, are sitting around a circular table facing the centre of the table. T sits third to the left of S. Only one person sits between S and Q when counted from the left of Q. Only two people sit between X and W when counted from the right of W. R is an immediate neighbour of X. How many people sit between Y and T when counted from the right of Y?

Ans
- ✗ A. One
- ✗ B. Four
- ✗ C. Three
- ✓ D. Two

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Q.68 **Refer to the following series and answer the question (all numbers are single digit numbers only).**
(Left) 6 2 1 3 7 6 9 7 4 3 5 2 3 4 3 4 2 3 1 5 7 9 5 8 5 7 5 (Right)
How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✗ A. 3

✓ B. 1

✗ C. 0

✗ D. 2

Q.69 **AD32 is related to EH16 in a certain way. In the same way, MT40 is related to QX20. To which of the following is KN62 related, following the same logic?**

Ans

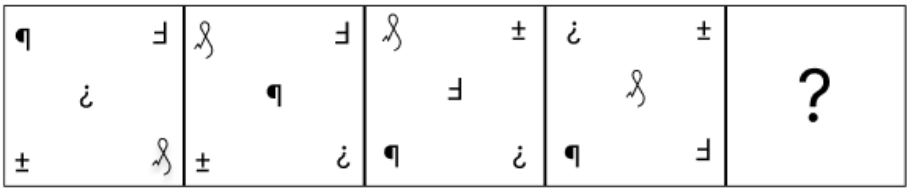
✓ A. OR31

✗ B. OR30

✗ C. OS30

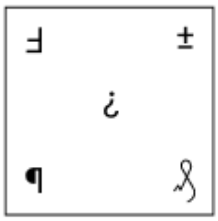
✗ D. OS31

Q.70

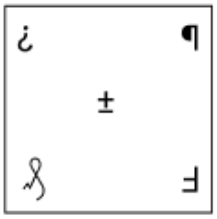


Ans

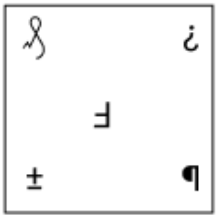
✗ A.



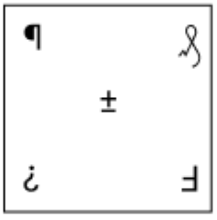
✓ B.



✗ C.



✗ D.



Section : **General Awareness**

Q.71 **The Vindhyan range is bounded by which range on the south?**

Ans

✗ A. Rajmahal

✗ B. Aravalli

✗ C. Kaimur

✓ D. Satpura

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Q.72 राष्ट्रमंडल शासनाध्यक्ष बैठक (Commonwealth Heads of Government Meeting - CHOGM)-2024 कहाँ आयोजित की गई?

Ans

✗ A. Suva, Fiji

✗ B. Apia, Samoa

✓ C. Wellington, New Zealand

✗ D. Port Moresby, Papua New Guinea

Q.73 **Which Constitutional amendment led to the introduction of the Goods and Services Tax (GST) in India?**

Ans

✓ A. 1. 101st Amendment

✗ B. 2. 61st Amendment

✗ C. 3. 100th Amendment

✗ D. 4. 86th Amendment

Q.74 **Which Amendment introduced the Anti-Defection Law in the Indian Constitution, aiming to prevent elected members from switching parties?**

Ans

✗ A. 1. 61st Amendment

✓ B. 2. 52nd Amendment

✗ C. 3. 42nd Amendment

✗ D. 4. 44th Amendment

Q.75 **Which financial institution announced the launch of Unified Lending Interface (ULI) on 26 August 2024?**

Ans

✗ A. IFCI

✓ B. RBI

✗ C. SIDBI

✗ D. IDBI

Q.76 **How did globalisation impact Indian agriculture after 1991?**

Ans

✓ A. Enhanced competition and access to global markets

✗ B. Increased subsidies for farmers

✗ C. Complete reliance on imports

✗ D. Decreased crop yields

Q.77 **Who was elected as the Chairperson of the 77th session of the WHO South East Asia Regional Committee held in New Delhi from 7 to 9 October 2024?**

Ans

✗ A. Piyush Goyal

✗ B. Amit Shah

✗ C. Subrahmanyam Jaishankar

✓ D. Jagat Prakash Nadda

Q.78 **Who wrote the book 'The Indian War of Independence' related to Indian nationalist history of the 1857 revolt?**

Ans

✗ A. Sardar Patel

✗ B. Bhagat Singh

✓ C. V D Savarkar

✗ D. Subhash Chandra Bose

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Q.79 **The force acting on a charged particle in an external magnetic field does NOT depend on which of the following factors?**

Ans

✗ A. Magnitude of the magnetic field

✓ B. Mass of the particle

✗ C. Velocity of the particle

✗ D. Charge of the particle

Q.80 **In which of the following countries, did Adani Defence & Aerospace sign a cooperation agreement with EDGE Group in June 2024, to establish a global platform leveraging the defence and aerospace capabilities?**

Ans

✗ A. Germany

✗ B. Russia

✗ C. United States of America

✓ D. United Arab Emirates

Q.81 **Which sector contributed the most to India's GDP in 1947?**

Ans

✗ A. Services

✓ B. Agriculture

✗ C. Mining

✗ D. Manufacturing

Q.82 **Which island in the Arabian Sea is the largest in the Lakshadweep group?**

Ans

✓ A. Minicoy

✗ B. Agatti

✗ C. Amini

✗ D. Kavaratti

Q.83 **IIT Madras announced the launch of its first international centre for research and innovation in Dubai in November 2024. What is the significance of this development?**

Ans

✗ A. It will provide a platform for technology-related startups in Dubai.

✓ B. It marks IIT Madras' expansion into the Middle East for collaborative research and innovation.

✗ C. It will focus on enhancing India's space research capabilities.

✗ D. The centre will primarily support agricultural research and innovation.

Q.84 **In August 2024, HDFC Bank introduced GIGA, a new suite of financial products and services specifically designed for:**

Ans

✗ A. meritorious students

✗ B. small and marginal farmers

✓ C. gig workers and freelancers

✗ D. non-corporate employees

Q.85 **How does a dipole behave when it is placed in a uniform magnetic field?**

Ans

✗ A. It remains stationary with no force or torque acting on it.

✗ B. It experiences a net force but no torque.

✓ C. It experiences torque but no net force.

✗ D. It experiences both a net force and torque.

Q.86 **____ played the dual role of an organiser and player in the HSBC India Legends golf championship held at the Jaypee Greens in Greater Noida from 30 August to 1 September in 2024.**

Ans

✓ A. Jeev Milkha Singh

✗ B. Amandeep Johl Singh

✗ C. Jyoti Randhawa

✗ D. Digvijay Singh

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Q.87 **Which of the following freedoms is NOT part of the 'Right to Freedom' under Article 19?**

Ans

✗ A. Freedom to assemble peacefully

✗ B. Freedom to move freely

✗ C. Freedom to form associations

✓ D. Freedom of conscience

Q.88 **Who among the following started the Bhoodan Movement in April 1951 with the aim of bringing about fundamental social and economic changes in the society through peaceful means?**

Ans

✗ A. Sarvepalli Radhakrishnan

✗ B. Vinayak Damodar Savarkar

✗ C. Vallabhbhai Patel

✓ D. Acharya Vinoba Bhave

Q.89 **The economic reforms of 1991 aimed to transform India into which of the following types of economy?**

Ans

✓ A. A global and competitive economy

✗ B. A self-sufficient economy

✗ C. A closed economy

✗ D. A socialist economy

Q.90 **Which of the following is the ultra-premium credit card launched by Axis Bank in partnership with Visa in August 2024 for individuals with an ultra-high net-worth in India?**

Ans

✗ A. Regalia Gold

✗ B. Amex Platinum

✗ C. World Safari

✓ D. Primus

Q.91 **Which Constitutional Amendment allows the same person to be appointed as the Governor of two or more states?**

Ans

✗ A. 1. 44th Amendment act

✗ B. 2. 42nd Amendment

✗ C. 3. 5th Amendment

✓ D. 4. 7th Amendment

Q.92 **Kosi is a tributary of which river?**

Ans

✗ A. Mahanadi

✗ B. Yamuna

✓ C. Ganga

✗ D. Brahmaputra

Q.93 **In 2024, India developed a new integrated web portal called ERNET. Who are the target users of ERNET?**

Ans

✗ A. Artists

✓ B. Education institutions

✗ C. Defence personnel

✗ D. Exporters

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Q.94 **India's HDI value for 2022 put the country in the _____ human development category—positioning it at 134 out of 193 countries and territories.**

Ans

✗ A. Lower

✗ B. Average

✓ C. Medium

✗ D. Higher

Q.95 **Who became the emperor of Delhi in 1414 AD?**

Ans

✗ A. Razia Sultana

✓ B. Khizr Khan

✗ C. Bahlul Khan

✗ D. Ala-ud-din Khilji

Q.96 **Water drops shine on a lotus leaf due to:**

Ans

✗ A. diffraction

✗ B. refraction

✓ C. total internal reflection

✗ D. reflection

Q.97 **In January 2024, the Reserve Bank of India (RBI) imposed restrictions on which of the following payment methods/banks?**

Ans

✗ A. Rupay

✗ B. GPay

✓ C. Paytm Payments Bank

✗ D. Airtel Payments Bank

Q.98 **Nagar Haveli lies on the border of which two states of India?**

Ans

✗ A. Maharashtra and Andhra Pradesh

✗ B. Maharashtra and Karnataka

✓ C. Gujarat and Maharashtra

✗ D. Karnataka and Gujarat

Q.99 **In which of the following states is the Namchik-Namphuk coalfield located?**

Ans

✗ A. West Bengal

✗ B. Jharkhand

✗ C. Meghalaya

✓ D. Arunachal Pradesh

Q.100 **According to Securities and Exchange Board of India, how many unique mutual fund (MF) investors were there in India, as of June 2024?**

Ans

✗ A. 2.2 crore

✗ B. 9.6 crore

✓ C. 4.7 crore

✗ D. 3.6 crore

Q.101 **How many major capital acquisition contracts did the Ministry of Defence sign in March 2024 as part of the 'Aatmanirbharta in Defence'?**

Ans

✗ A. Three

✓ B. Five

✗ C. Six

✗ D. Four

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Q.102 Which of the following Harappan trading ports is found in Afghanistan?

Ans

✗ A. Padri

✗ B. Rangpur

✗ C. Alamgirpur

✓ D. Shortugai

Q.103 When did Sir Syed Ahmed Khan find the Scientific Society to translate English books on science and other subjects into Urdu?

Ans

✗ A. 1882

✓ B. 1864

✗ C. 1852

✗ D. 1872

Q.104 Which of the following statements is/are correct in the context of the Government of India Act of 1858?

I. The Act is also called an 'Act of Good Governance.'
II. The power to control the Indian Territory was vested in the Queen.

Ans

✗ A. Only I

✗ B. Only II

✗ C. Neither I nor II

✓ D. Both I and II

Q.105 In which state are 'Burnpur' and 'Durgapur' Iron and Steel Plants located?

Ans

✗ A. Jharkhand

✗ B. Karnataka

✗ C. Odisha

✓ D. West Bengal

Q.106 In State of UP v/s M/S Lalta Prasad Vaish case in October 2024, a nine-judge constitution bench of the Supreme Court held which of the following decisions by 8 : 1 majority?

Ans

✗ A. Only cabinet ministers of Centre have the power to regulate 'denatured spirit or industrial alcohol'.

✗ B. States have the power to regulate petroleum products.

✓ C. States have the power to regulate 'denatured spirit or industrial alcohol'.

✗ D. State government can abolish Article 370.

Q.107 There are different interactive forces that combine to shape human development and these are _____.
1. Biological Forces
2. Psychological Forces
3. Life Cycle Forces

Ans

✗ A. 2 and 3 only

✓ B. 1, 2 and 3

✗ C. 1 and 3 only

✗ D. 1 and 2 only

Q.108 Which of the following languages were added to the Eighth Schedule of the Indian Constitution by the 71st Amendment Act?

Ans

✗ A. Bengali, Telugu, and Malayalam

✗ B. Assamese, Gujarati, and Punjabi

✓ C. Manipuri, Konkani, and Nepali

✗ D. Marathi, Urdu, and Tamil

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Q.109 **Electricity is integral to modern life in numerous ways. What is the SI unit for measuring electric current?**

Ans
- ✔ A. Ampere
- ✘ B. Volt
- ✘ C. Tesla
- ✘ D. Coulomb

Q.110 **In Tamil Nadu, which day of Pongal is celebrated as Kaanum Pongal?**

Ans
- ✘ A. First
- ✔ B. Fourth
- ✘ C. Second
- ✘ D. Third

Q.111 **Which of the following is NOT the provision of the Government of India Act, 1858?**

Ans
- ✘ A. Armed forces of the company were transferred to the Crown.
- ✘ B. Board of Control and Court of Directors were abolished.
- ✘ C. The 'Governor General of India' designation was changed to the 'Viceroy of India'.
- ✔ D. Law Member was made a full member of the Executive Council of the Governor General.

Q.112 **The Hindu scripture, the Srimad Bhagavad Gita, which is believed to be narrated by Lord Krishna to Arjun during the Mahabharata war between the Pandavas and Kauravas, is composed in how many chapters?**

Ans
- ✔ A. 18
- ✘ B. 16
- ✘ C. 21
- ✘ D. 15

Q.113 **_____ determines the number of the members of State Public Service Commissions.**

Ans
- ✘ A. The Chief Minister of the State
- ✘ B. The President
- ✘ C. The State Legislative Assembly
- ✔ D. The Governor

Q.114 **Who presides over the meetings of the Council of Ministers?**

Ans
- ✘ A. Vice President of India
- ✔ B. Prime Minister
- ✘ C. Speaker of the Lok Sabha
- ✘ D. President of India

Q.115 **As of October 2024, which of the following is the longest National Highway in India?**

Ans
- ✘ A. National Highway 34
- ✘ B. National Highway 14
- ✘ C. National Highway 24
- ✔ D. National Highway 44

Q.116 **After the revolt of 1857, the title of 'Empress of India' was given to the Queen of England in:**

Ans
- ✘ A. 1857
- ✔ B. 1877
- ✘ C. 1861
- ✘ D. 1887

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Q.117 **Religious saint-poets between the 13th to 17th centuries, Dnyaneshwar, Namdev, Eknath and Tukaram, belonged to which Indian state?**

Ans

✗ A. Tamil Nadu

✗ B. Kerala

✗ C. Gujarat

✓ D. Maharashtra

Q.118 **Which of the following is FALSE?**

Ans

✗ A. Magnification produced by a lens is related to the object-distance and the image-distance.

✗ B. Simple microscope is also known as magnifying glass.

✗ C. Refractive index of a medium is constant.

✓ D. A ray of light passing through the optical centre of a lens, after refraction from a convex lens, will emerge parallel to the principal axis.

Q.119 **At which of the following places in Bihar did Prime Minister Narendra Modi lay the foundation stone of AIIMS to boost health infrastructure on 13 November 2024?**

Ans

✗ A. Patna

✗ B. Muzaffarpur

✗ C. Nalanda

✓ D. Darbhanga

Q.120 **The Tehri Dam, one of the tallest dams in India, is located in which of the following states?**

Ans

✓ A. Uttarakhand

✗ B. Punjab

✗ C. Himachal Pradesh

✗ D. Madhya Pradesh

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	03/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **The least common multiple of two numbers is 364 and their greatest common factor is 26. If one of the numbers is 26, then find the other number.**

Ans
- ✔ A. 364
- ✘ B. 52
- ✘ C. 26
- ✘ D. 104

Q.2 **During the first year, the number of students in class X of a school increased by 12% and during the second year, it reduced by 9%. At the end of the second year, the number of students was 1274. What was the number of students in class X at the beginning of the first year?**

Ans
- ✘ A. 1230
- ✔ B. 1250
- ✘ C. 1220
- ✘ D. 1240

Q.3 **2% of 14% of a number is what percentage of that number?**

Ans
- ✘ A. 28
- ✘ B. 0.028
- ✘ C. 16
- ✔ D. 0.28

Q.4 **Find the value of 4.05 − 1.25 − 3.68 + 8.76 + 0.5 − 4.26.**

Ans
- ✘ A. 4.54
- ✘ B. 4.36
- ✔ C. 4.12
- ✘ D. 4.02

Q.5 **A train overtakes two persons walking along a railway track. The first one walks at 5.4 km/h. The other one walks at 10.8 km/h. The train needs 5.1 and 6.8 seconds respectively to overtake them. What is the speed of the train if both the persons are walking in the same direction as the train?**

Ans
- ✔ A. 27 km/h
- ✘ B. 36 km/h
- ✘ C. 18 km/h
- ✘ D. 34 km/h

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Q.6 Find the value of n, when $3^{-7} \times 3^{(3n+4)} = \frac{3^{11}}{3^5}$.

Ans

✗ A. 3

✓ B. 5

✗ C. 2

✗ D. 4

Q.7 **After 62 litres of petrol was poured into an empty storage tank, it was still 1% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?**

Ans

✗ A. 63.63

✗ B. 63

✗ C. 61.63

✓ D. 62.63

Q.8 **The average of first 119 odd natural numbers, is:**

Ans

✗ A. 120

✗ B. 118.5

✗ C. 119.5

✓ D. 119

Q.9 **An article was marked at ₹11,500. A discount of 25% was offered, resulting in a profit of 15%. What is the cost price of the article?**

Ans

✗ A. ₹7,700

✗ B. ₹7,200

✗ C. ₹7,400

✓ D. ₹7,500

Q.10 **Find the surface area of a sphere whose diameter is equal to 28 cm.**

Ans

✗ A. 1. 1199π cm^2

✗ B. 2. 131π cm^2

✓ C. 3. 784π cm^2

✗ D. 4. 938π cm^2

Q.11 **A shopkeeper allows his customers 10% off on the marked price of goods and still gets a profit of 12.5%. What is the actual cost of an article marked ₹2,750?**

Ans

✗ A. ₹2,150

✗ B. ₹2,275

✓ C. ₹2,200

✗ D. ₹2,300

Q.12 **A birthday cap is in the form of a right circular cone of base radius 6 cm and height 8 cm. Find the area of the paper sheet required to make 15 such caps.**
(Consider π = 3.14)

Ans

✗ A. 2862 sq cm

✗ B. 2286 sq cm

✓ C. 2826 sq cm

✗ D. 2682 sq cm

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Q.13 What is the average speed of a van which covers half the distance with a speed of 48 km/h and the other half with a speed of 24 km/h?

Ans
- ✗ A. 38km/h
- ✓ B. 32km/h
- ✗ C. 33km/h
- ✗ D. 40km/h

Q.14 Two banks, A and B, offered loans at 3.5% and 6.5% per annum, respectively. Tushar borrowed an amount of ₹200000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Tushar after 3 years.

Ans
- ✗ A. 19500
- ✗ B. 17500
- ✓ C. 18000
- ✗ D. 19000

Q.15 Find the least number which should be added to 2395 so that the sum is exactly divisible by 3, 4, 5 and 6.

Ans
- ✗ A. 15
- ✗ B. 55
- ✓ C. 5
- ✗ D. 6

Q.16 Evaluate: 2 × {17 - 2 × (10 -5)}

Ans
- ✓ A. 14
- ✗ B. 13
- ✗ C. 18
- ✗ D. 11

Q.17 The shares of P, R and S in a business are in the ratio 2 : 3 : 4. If the total profit is ₹18,000, then S gets how much more (in ₹) than P?

Ans
- ✓ A. 4,000
- ✗ B. 1,000
- ✗ C. 2,000
- ✗ D. 3,000

Q.18 The sum of 8 numbers is 936. Find their average.

Ans
- ✗ A. 115
- ✓ B. 117
- ✗ C. 118
- ✗ D. 116

Q.19 The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 104. Find the average of the remaining two numbers?

Ans
- ✗ A. 181
- ✗ B. 200.5
- ✗ C. 180
- ✓ D. 199.5

Q.20 Evaluate: 2 × {17 - 2 × (10 -4)}

Ans
- ✗ A. 7
- ✗ B. 9
- ✗ C. 14
- ✓ D. 10

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Q.21 An item with cost price of ₹120 is sold by P to R at a 12% profit. R earns a profit of ₹45.6 on the item and sells it to Q. The profit of P would have been ___% if the item is sold by P to Q directly at the same selling price.

Ans

✗ A. 60

✗ B. 40

✗ C. 30

✓ D. 50

Q.22 There are 7314 students in a school and the ratio of boys to girls in the school is 27 : 26, then find the number of boys in school.

Ans

✓ A. 3726

✗ B. 3712

✗ C. 3737

✗ D. 3734

Q.23 A cistern can be filled by a tap in 6 hours and emptied by an outlet pipe in 7.5 hours. How long will it take to fill the cistern if both the tap and the pipe are opened together?

Ans

✗ A. 24 hours

✓ B. 30 hours

✗ C. 27 hours

✗ D. 25 hours

Q.24 The areas of a rectangular garden and a square garden are equal. If the length and the breadth of the first garden are 32 m and 8 m, then find the perimeter of the square garden.

Ans

✓ A. 64 m

✗ B. 56 m

✗ C. 62 m

✗ D. 52 m

Q.25 A man riding on a bicycle at a speed of 66 km/h crosses a bridge in 18 minutes. Find the length of the bridge?

Ans

✗ A. 21.9 km

✗ B. 22.5 km

✓ C. 19.8 km

✗ D. 24.5 km

Q.26 Kanchan bought 52 books for Rs 1130 from one shop and 47 books for Rs 920 from another. What is the average price (in Rs) he paid per book ?

Ans

✓ A. 1030.3

✗ B. 1020.3

✗ C. 1040.3

✗ D. 1045.3

Q.27 A merchant buys a watch for ₹1,500 and sells it at a 10% loss. He then buys the same model for ₹1,600 and sells it at a 20% profit. Find the overall profit or loss percentage (rounded off to 2 decimal places).

Ans

✗ A. Profit percentage is 4.48%

✗ B. Loss percentage is 4.48%

✗ C. Loss percentage is 5.48%

✓ D. Profit percentage is 5.48%

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Q.28 In what ratio should sugar costing ₹74 per kg be mixed with sugar costing ₹41 per kg so that by selling the mixture at ₹85.8 per kg, there is a profit of 30%?

Ans

✗ A. 24 : 9

✗ B. 27 : 6

✗ C. 24 : 6

✓ D. 25 : 8

Q.29 Anjali can do a certain piece of work in 16 days. Anjali and Ayushi can together do the same work in 10 days, and Anjali, Ayushi and Ankita can do the same work together in 8 days. In how many days can Anjali and Ankita do the same work?

Ans

✗ A. $\frac{83}{9}$

✗ B. $\frac{72}{7}$

✗ C. $\frac{88}{8}$

✓ D. $\frac{80}{7}$

Q.30 Which of the following numbers nearest to 90561 is divisible by 9?

Ans

✗ A. 90533

✓ B. 90531

✗ C. 90532

✗ D. 90534

Q.31 A pipe can fill a tank in 9 hours. Another pipe can empty the filled tank in 63 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:

Ans

✗ A. 28

✗ B. 14

✗ C. 21

✓ D. 7

Q.32 A person can complete a journey in 6 hours. He covers the first one-third part of the journey at the rate of 23 km/h and the remaining distance at the rate of 46 km/h. What is the total distance (in km) of his journey?

Ans

✗ A. 209

✗ B. 216

✗ C. 201

✓ D. 207

Q.33 The value of

$$7^3 - 9^2 + \left(\frac{38}{2}\right)^2 - 0 + 7 \times 4 = \_\_\_\_\_$$

Ans

✗ A. 658

✓ B. 651

✗ C. 648

✗ D. 655

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Q.34 **The population of a city increases 11% annually. Find the net percentage increase in two years.**

Ans
- ✗ A. 21.32%
- ✗ B. 21.23%
- ✓ C. 23.21%
- ✗ D. 23.12%

Q.35 **The difference between the compound interest, compounded annually, and the simple interest earned on a certain sum of money in two years at 10% interest per annum, is ₹197.2. Find the sum invested.**

Ans
- ✗ A. ₹18,720
- ✓ B. ₹19,720
- ✗ C. ₹16,720
- ✗ D. ₹17,720

Section : **General Intelligence and Reasoning**

Q.36 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

KVM JTJ IRG HPD ?

Ans
- ✗ A. NAG
- ✓ B. GNA
- ✗ C. GAN
- ✗ D. NGA

Q.37 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All balloons are mangoes.
All balloons are foams.
Conclusions:
(I): Some mangoes are foams.
(II): All foams are balloons.

Ans
- ✗ A. Both conclusions (I) and (II) follow.
- ✗ B. Neither conclusion (I) nor (II) follows.
- ✗ C. Only conclusion (II) follows.
- ✓ D. Only conclusion (I) follows.

Q.38 **Shubham starts from Point A and drives 10 km towards south. He then takes a left turn, drives 6 km, turns left and drives 12 km. He then takes a left turn and drives 8 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✗ A. 3 km to the east
- ✗ B. 3 km to the west
- ✓ C. 2 km to the east
- ✗ D. 2 km to the west

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Q.39 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

KGE 8, MIG 9, OKI 12, QMK 21, SOM 48, ?

Ans

✗ A. VQO 129

✓ B. UQO 129

✗ C. UCO 129

✗ D. UQO 128

Q.40 **Select the number from among the given options that can replace the question mark (?) in the following series.**

5 20 65 200 605 ?

Ans

✗ A. 1826

✗ B. 1827

✓ C. 1820

✗ D. 1824

Q.41 **In a certain code language, 'DEAL' is coded as '4685' and 'LAND' is coded as '5874'. What is the code for 'E' in the given code language?**

Ans

✓ A. 6

✗ B. 2

✗ C. 8

✗ D. 7

Q.42 **In a certain code language,**
A < B means 'A is the sister of B'
A ^ B means 'A is the son of B'
A : B means 'A is the father of B'
A + B means 'A is the wife of B'
Based on the above, how is D related to N if 'D : O ^ M < A + N'?

Ans

✗ A. Wife's sister's mother

✗ B. Wife's sister's father

✗ C. Wife's sister's son

✓ D. Wife's sister's husband

Q.43 **What will come in the place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '−' and '×' are interchanged?**
23 ÷ 16 + 8 − 3 × 21 = ?

Ans

✗ A. 42

✓ B. 8

✗ C. 4

✗ D. 50

Q.44 **A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. L sits to the immediate right of B. Only three people sit between L and C when counted from the left of L. Only three people sit between B and K. D sits to the immediate right of J. How many people sit between B and J when counted from the right of J?**

Ans

✗ A. Three

✗ B. Two

✓ C. One

✗ D. Four

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Q.45 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

TMG 18, RPC 23, PSY 28, NVU 33, ?

Ans

✗ A. LQY 37

✗ B. KPY 37

✗ C. KYP 38

✓ D. LYQ 38

Q.46 **In a certain code language, 'TAME' is coded as '5312' and 'MALE' is coded as '1632'. What is the code for 'L' in the given code language?**

Ans

✗ A. 3

✗ B. 1

✓ C. 6

✗ D. 5

Q.47 **What should come in place of the question mark (?) in the given series?**

2052, 1856, 2000, 1900, 1964, ?

Ans

✓ A. 1928

✗ B. 2000

✗ C. 1864

✗ D. 2028

Q.48 **Refer to the following series and answer the question (all numbers are single digit numbers only).**
(Left) 1 5 7 9 5 8 1 3 7 6 9 7 4 5 7 5 4 2 3 5 2 3 4 5 3 6 2 (Right)
How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

Ans

✓ A. 0

✗ B. 3

✗ C. 2

✗ D. 1

Q.49 **SOPR is related to XTUW in a certain way based on the English alphabetical order. In the same way, OKLN is related to TPQS. To which of the following is KGHJ related, following the same logic?**

Ans

✓ A. PLMO

✗ B. PLOM

✗ C. LPMO

✗ D. LPOM

Q.50 **A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only three people sit between K and A when counted from the left of K. Only three people sit between L and J when counted from the right of J. D sits to the immediate right of L. C is an immediate neighbour of J as well as A. Who sits to the second to the left of B?**

Ans

✗ A. A

✓ B. C

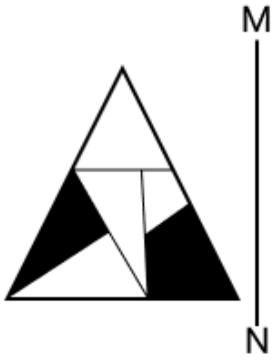
✗ C. D

✗ D. L

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Q.51



Ans

✔ A.



✘ B.



✘ C.



✘ D.



Q.52 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
Some wrenches are hammers.
Some wrenches are chairs.
Some hammers are magnets.

Conclusions:
(I) : Some wrenches are magnets.
(II) : Some hammers are chairs.

Ans

✘ A. Only conclusion (II) follows

✔ B. Neither conclusion (I) nor (II) follows

✘ C. Only conclusion (I) follows

✘ D. Both conclusions (I) and (II) follow

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Q.53 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. IN:PU
- ✗ B. RW:YD
- ✓ C. CH:JP
- ✗ D. UZ:BG

Q.54 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

FIX - GJY
WER - XFS

Ans
- ✓ A. UIT - VJU
- ✗ B. TYU - UZX
- ✗ C. WTY - XUW
- ✗ D. EDF - FGE

Q.55 **What will come in the place of the question mark (?) in the following equation if '+' and '–' are interchanged?**

54 + 6 × 2 ÷ 6 – 5 = ?

Ans
- ✗ A. 15
- ✗ B. 51
- ✗ C. 24
- ✓ D. 57

Q.56 **Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.**
(Left) # 1 * £ 3 6 & @ 8 $ 7 + 5 4 2 Ω 9 % (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?

Ans
- ✗ A. 4
- ✓ B. 2
- ✗ C. 1
- ✗ D. 3

Q.57 **A, B, C, M, N and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only C lives above B. N lives immediately below B. Only A lives below M. Who lives on floor number 3?**

Ans
- ✗ A. M
- ✗ B. N
- ✓ C. S
- ✗ D. B

Q.58 **What should come in place of the question mark (?) in the given series?**

18 27 46 75 114 ?

Ans
- ✗ A. 154
- ✓ B. 163
- ✗ C. 132
- ✗ D. 143

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Q.59 **Six people D, E, F, G, H, and I are sitting around a circular table facing the centre. F sits second to the right of G and G sits second to the right of I. E is an immediate neighbour of G and I. D sits to the immediate left of F. Who sits to the immediate right of H?**

Ans

✗ A. E

✓ B. I

✗ C. F

✗ D. G

Q.60 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
Some snails are lions.
All ants are lions.

Conclusions:
(I) : Some snails are ants.
(II) : All lions are ants.

Ans

✓ A. Neither conclusion (I) nor (II) follows

✗ B. Both conclusions (I) and (II) follow

✗ C. Only conclusion (II) follows

✗ D. Only conclusion (I) follows

Q.61 **G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. J lives on an even-numbered floor but not on floor number 4. Only two people live between J and L. P lives on an odd-numbered floor but not on the lowermost floor. Only two people live between P and G. K lives immediately below P. How many people live between H and K?**

Ans

✗ A. 3

✗ B. 1

✓ C. 2

✗ D. 4

Q.62 **What will come in the place of '?' in the following equation, if '÷' and '–' are interchanged and '×' and '+' are interchanged?**
50 + 72 − 3 ÷ 96 × 36 = ?

Ans

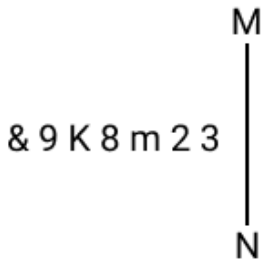
✗ A. 844

✗ B. 1336

✓ C. 1140

✗ D. 944

Q.63



Ans

✓ A. 

✗ B. 

✗ C. 

✗ D. 

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Q.64 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✔ A. YUV
- ✘ B. LPM
- ✘ C. RVS
- ✘ D. OSP

Q.65 **Mohan starts from Point A and drives 24 km towards the east. He then takes a left turn, drives 32 km, turns left and drives 39 km. He then takes a left turn and drives 45 km. He takes a final left turn, drives 15 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✔ A. 13 km to the north
- ✘ B. 16 km to the south
- ✘ C. 12 km to the north
- ✘ D. 10 km to the north

Q.66 **Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.**

AB - CD - FG
VW - XY - AB

Ans
- ✘ A. RS - TU - VW
- ✘ B. RS - TU - XY
- ✔ C. EF - GH - JK
- ✘ D. DE - HI - LM

Q.67 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
10 - 3 - 31
4 - 3 - 13

Ans
- ✘ A. 5 - 2 - 12
- ✘ B. 18 - 2 - 36
- ✔ C. 8 - 3 - 25
- ✘ D. 5 - 3 - 14

Q.68 **Refer to the following series and answer the question (all numbers are single digit numbers only).**

(Left) 6 4 5 7 8 4 6 3 1 4 1 2 7 4 9 1 5 3 6 1 1 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans
- ✘ A. Three
- ✔ B. Four
- ✘ C. Two
- ✘ D. One

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Q.69 **In a certain code language,**
A + B means 'A is the mother of B',
A – B means 'A is the husband of B',
A x B means 'A is the daughter of B',
A ÷ B means 'A is the son of B'.

Based on the above, how is P related to T if 'P x Q ÷ R – S + T'?

Ans
- ✗ A. Father's sister
- ✗ B. Daughter
- ✗ C. Sister
- ✓ D. Brother's daughter

Q.70 **In a certain code language, 'BANK' is coded as '2517' and 'BACK' is coded as '1723'. What is the code for 'C' in the given code language?**

Ans
- ✓ A. 3
- ✗ B. 7
- ✗ C. 2
- ✗ D. 1

Section : **General Awareness**

Q.71 **Which of the following is the longest river that flows through the Deccan Plateau and empties into the Bay of Bengal?**

Ans
- ✗ A. Mahanadi
- ✗ B. Narmada
- ✓ C. Godavari
- ✗ D. Krishna

Q.72 **The Brahmaputra river is navigable by steamers up to Dibrugarh by which of the following national waterways of India?**

Ans
- ✗ A. National Waterway 3 (NW 3)
- ✗ B. National Waterway 1 (NW 1)
- ✓ C. National Waterway 2 (NW 2)
- ✗ D. National Waterway 4 (NW 4)

Q.73 **Reverberation is the persistence of sound after the source has stopped emitting sound due to _____ from multiple surfaces.**

Ans
- ✗ A. transmission
- ✗ B. diffraction
- ✓ C. reflection
- ✗ D. refraction

Q.74 **The distance travelled by an object in time 't' is given by $x = a + bt + ct^2$. Identify 'c'.**

Ans
- ✗ A. Speed
- ✗ B. Distance
- ✓ C. Acceleration
- ✗ D. Velocity

Q.75 **1 Volt / 1 Ampere = _____.**

Ans
- ✗ A. 1 Joule
- ✗ B. 1 Coulomb
- ✓ C. 1 Ohm
- ✗ D. 1 Ohm-m

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Q.76 **If a body of mass 'm' is taken to a height 'h' from the surface of earth, the work done will be:**

Ans
- ✔ A. mgh
- ✘ B. mh
- ✘ C. $\frac{1}{2}$
- ✘ D. 2 mgh

Q.77 **In November 2024, which State Government has inked a pact with the Defence Research and Development Organisation (DRDO) to aid defence startups?**

Ans
- ✔ A. Karnataka
- ✘ B. Assam
- ✘ C. Kerala
- ✘ D. Uttarakhand

Q.78 **What was the condition of India's industrial sector in 1947?**

Ans
- ✔ A. Underdeveloped and focused on traditional industries
- ✘ B. Primarily export-oriented
- ✘ C. Well-developed and advanced
- ✘ D. Dominated by heavy industries

Q.79 **The Malabar Coast lies between:**

Ans
- ✘ A. Goa and Gujarat
- ✘ B. Gujarat and Kanyakumari
- ✔ C. Mangalore and Kanyakumari
- ✘ D. Mumbai and Kerala

Q.80 **What are the intended uses for the Param Rudra supercomputers, developed under the National Supercomputing Mission and inaugurated by Prime Minister Narendra Modi in September 2024?**

Ans
- ✔ A. Weather and climate research
- ✘ B. Defense simulations
- ✘ C. Mitigate criminal activities of human beings
- ✘ D. Developing a hub for E-marketing

Q.81 **To which post was Vikram Misri, who was in news in July 2024, appointed?**

Ans
- ✘ A. External Affairs Minister of India
- ✘ B. Attorney-General of India
- ✔ C. Foreign Secretary of India
- ✘ D. Chief Economic Advisor to the Government of India

Q.82 **When a Judge of a High Court in India, including the Chief Justice, wishes to resign from office, to whom must they submit their resignation?**

Ans
- ✘ A. The Prime Minister of India
- ✘ B. The Chief Justice of India
- ✔ C. The President of India
- ✘ D. The Governor of the respective state

Q.83 **Which of the following states in India was most positively impacted by the Green Revolution?**

Ans
- ✘ A. Bihar
- ✘ B. Kerala
- ✔ C. Punjab
- ✘ D. Assam

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Q.84 **Which of the following Indian social classes initiated the Revolt of 1857?**

Ans

✗ A. British traders and merchants

✓ B. Soldiers (sepoys) and military personnel

✗ C. Zamindars

✗ D. Peasants and farmers

Q.85 **Which extremist leader became a symbol of martyrdom after his death in British custody?**

Ans

✓ A. Bhagat Singh

✗ B. Hasrat Mohani

✗ C. Mahatma Gandhi

✗ D. Chandrashekhar Azad

Q.86 **Which of the following is a constitutional body?**

Ans

✓ A. Election Commission of India

✗ B. National Human Rights Commission

✗ C. NITI Aayog

✗ D. State Human Rights Commission

Q.87 **Which of the following statements is correct about Kati Bihu, one of the three Bihus celebrated especially in the state of Assam?**

Ans

✗ A. Kati Bihu marks the season of harvesting.

✓ B. Kati Bihu is observed to pray for standing crops.

✗ C. Kati Bihu is also known as Rangali Bihu.

✗ D. Kati Bihu marks the beginning of sowing by farmers.

Q.88 **Which sector of the economy experiences the highest unemployment in India?**

Ans

✗ A. Services

✓ B. Agriculture

✗ C. Industry

✗ D. IT sector

Q.89 **What was the primary occupation of the Indian population on the eve of independence?**

Ans

✗ A. Trade

✗ B. Industry

✗ C. Services

✓ D. Agriculture

Q.90 **Where is the Rakhigarhi Indus Valley site located?**

Ans

✗ A. Punjab

✗ B. Rajasthan

✗ C. Gujarat

✓ D. Haryana

Q.91 **In October 2024, which of the following countries announced the launch of a new framework that furthers their collaboration with the Indian private sector to support digital infrastructure in India?**

Ans

✓ A. United States of America, Japan and South Korea

✗ B. South Africa, Japan and Russia

✗ C. New Zealand, Sri Lanka and Japan

✗ D. United States of America, China and Australia

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Q.92 **Separation of executive from judiciary is contained in which of the following?**

Ans
- ✔ A. Directive Principles of State Policy
- ✘ B. Fundamental Rights
- ✘ C. Preamble
- ✘ D. Fundamental Duties

Q.93 **How many startups does India have as of October 2024?**

Ans
- ✘ A. 200,000
- ✘ B. 100,000
- ✔ C. 150,000
- ✘ D. 120,000

Q.94 **The Mundra Port, India's largest private port, is located in:**

Ans
- ✘ A. Maharashtra
- ✘ B. Tamil Nadu
- ✔ C. Gujarat
- ✘ D. Andhra Pradesh

Q.95 **Which Schedule of the Indian Constitution was added to prevent defection of elected members?**

Ans
- ✘ A. Eleventh Schedule
- ✔ B. Tenth Schedule
- ✘ C. Ninth Schedule
- ✘ D. Eighth Schedule

Q.96 **Which of the following formulates, implements and monitors the monetary policy in India?**

Ans
- ✘ A. CAG
- ✘ B. SEBI
- ✔ C. RBI
- ✘ D. SBI

Q.97 **Which of the following countries shares an international boundary with the Indian State of Assam?**

Ans
- ✘ A. Myanmar
- ✘ B. China (Tibet)
- ✘ C. Nepal
- ✔ D. Bangladesh

Q.98 **Which of the following books is authored by eminent author Ruskin Bond, awardee of the Sahitya Akademi Fellowship in 2024?**

Ans
- ✘ A. The God of Small Things
- ✔ B. The Blue Umbrella
- ✘ C. My Experiments with Truth
- ✘ D. Wings of Fire

Q.99 **Which of the following statements is true regarding the voter turnout in Jammu and Kashmir for the 2024 General Elections for its 5 Lok Sabha seats?**

Ans
- ✘ A. It was the lowest turnout in the last 35 years
- ✘ B. The turnout was 65%.
- ✘ C. The turnout was 45.67%
- ✔ D. It was the highest turnout in the last 35 years

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Q.100 **In February 2024, which company partnered with the Indian Institute of Science (IISc) to jointly research 6G technologies and their societal impact on India?**

Ans

✗ A. Microsoft

✗ B. Sony

✓ C. Nokia

✗ D. Samsung

Q.101 **The Gupta Period saw the development of which important systems in Mathematics?**

Ans

✗ A. Differential calculus

✗ B. Euclidean geometry

✓ C. Decimal notation system

✗ D. Combinatorics

Q.102 **When was the Inland Waterways Authority set up for the development, maintenance and regulation of national waterways in India?**

Ans

✗ A. 1980

✗ B. 1996

✓ C. 1986

✗ D. 1975

Q.103 **Devices like hydraulic brakes and hydraulic lifts operate based on which physical law or principle?**

Ans

✗ A. Newton's law

✗ B. Archimedes principle

✗ C. Faraday's law

✓ D. Pascal's law

Q.104 **Which event intensified the Extremists' disillusionment with the British?**

Ans

✗ A. The arrival of the Simon Commission

✓ B. The Bengal Partition of 1905

✗ C. The Rowlatt Act

✗ D. The Quit India Movement

Q.105 **Which of the following festivals marks the birth of Prince Siddhartha Gautama, who founded a religion?**

Ans

✗ A. Guru Purnima

✗ B. Kartik Purnima

✗ C. Shakambari Purnima

✓ D. Buddha Purnima

Q.106 **Mirabai, who was devoted to Lord Krishna and composed innumerable bhajans expressing her intense devotion, became a disciple of which saint from a caste considered 'untouchable'?**

Ans

✗ A. Surdas

✗ B. Dadu Dayal

✓ C. Ravidas

✗ D. Kabirdas

Q.107 **Who introduced the Railways (Amendment) Bill in the Lok Sabha on 9 August 2024?**

Ans

✗ A. Dharmendra Pradhan

✗ B. Jyotiraditya M Scindia

✗ C. Pralhad Joshi

✓ D. Ashwini Vaishnaw

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Q.108 **'Equal pay for equal work is prevention of concentration of wealth' is mentioned under which Article of the Indian Constitution?**

Ans
- ✔ A. Article 39
- ✘ B. Article 44
- ✘ C. Article 40
- ✘ D. Article 38

Q.109 **What is disguised unemployment?**

Ans
- ✘ A. Workers shift jobs frequently.
- ✘ B. Workers are highly skilled but unemployed.
- ✔ C. More people are employed than required for a job.
- ✘ D. Workers are overpaid.

Q.110 **When was Shah Mal killed in the battle with the Britishers?**

Ans
- ✘ A. June 1857
- ✔ B. July 1857
- ✘ C. August 1857
- ✘ D. September 1857

Q.111 **Which of the following sectors includes services such as education, healthcare and banking?**

Ans
- ✘ A. Primary sector
- ✘ B. Secondary sector
- ✔ C. Tertiary sector
- ✘ D. Quaternary sector

Q.112 **In August 2024, in which of the following Indian cities, India and Denmark collaborated to create a 'smart laboratory on clean rivers'?**

Ans
- ✘ A. Allahabad
- ✘ B. Hyderabad
- ✘ C. Patna
- ✔ D. Varanasi

Q.113 **Which of the following Articles of the Constitution of India says that all public places are open to all citizens?**

Ans
- ✘ A. Article 30
- ✘ B. Article 21
- ✔ C. Article 15(2)
- ✘ D. Article 16(2)

Q.114 **Which of the following Constitutional Amendment Acts made Sikkim a full-fledged state of India?**

Ans
- ✔ A. 1. 36th Amendment Act
- ✘ B. 2. 54th Amendment Act
- ✘ C. 3. 45th Amendment Act
- ✘ D. 4. 40th Amendment Act

Q.115 **After Swami Dayanand Saraswati's death, in which city did his followers establish the Dayanand Anglo Vedic Schools?**

Ans
- ✔ A. Lahore
- ✘ B. Delhi
- ✘ C. Bombay
- ✘ D. Karachi

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Q.116 **Who was appointed as the new Managing Director of the National Housing Bank (NHB) in July 2024?**

Ans

✔ A. Sanjay Shukla

✘ B. Rajiv Ranjan

✘ C. Shaktikanta Das

✘ D. Ashok Gulati

Q.117 **On 9 October 2024, RBI maintained the repo rate at what percentage for the tenth consecutive time?**

Ans

✘ A. 4.1%

✘ B. 5.9%

✘ C. 7.4%

✔ D. 6.5%

Q.118 **The western coastal plains extend from _____ coastal region in the north to _____ in the south.**

Ans

✔ A. Gujarat; Kerala

✘ B. Maharashtra; Tamil Nadu

✘ C. Konkan; Malabar

✘ D. Kathiawar; Karnataka

Q.119 **On which date in 1950 was the Election Commission established as per the Constitution?**

Ans

✘ A. 1. 10th January

✔ B. 2. 25th January

✘ C. 3. 30th January

✘ D. 4. 15th January

Q.120 **Karur Vysya Bank expanded its presence in Tamil Nadu by opening four new branches in December 2024 in which cities?**

Ans

✘ A. Chennai, Vellore, Kanyakumari and Trichy

✘ B. Coimbatore, Chennai, Tirunelveli and Thanjavur

✔ C. Madurai, Tiruppur, Krishnagiri and Chennai

✘ D. Coimbatore, Erode, Trichy and Salem

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	04/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **Nikhil sold a machine to Sonia at a profit of 33%. Sonia sold this machine to Aruna at a loss of 20%. If Nikhil paid ₹5,200 for this machine, then find the cost price of machine for Aruna.**

Ans
- ✔ A. ₹5,532.8
- ✘ B. ₹5,632.8
- ✘ C. ₹5,832.8
- ✘ D. ₹5,732.8

Q.2 Find the compound interest on ₹21,500 at 17% per annum for $1\frac{1}{2}$ y

Ans
- ✘ A. ₹5,998.36
- ✘ B. ₹5,905.12
- ✔ C. ₹5,961.72
- ✘ D. ₹5,938.26

Q.3 **If the ratio of speed upstream and downstream is 5 : 7 and the speed of the stream is 6 m/sec, then what is the time taken by a boat to cover the total distance of 210 m both upstream and downstream?**

Ans
- ✘ A. 2 sec
- ✘ B. 7 sec
- ✔ C. 12 sec
- ✘ D. 10 sec

Q.4 **A number when increased by 50 %', gives 2430. The number is:**

Ans
- ✘ A. 3240
- ✘ B. 4860
- ✘ C. 810
- ✔ D. 1620

Q.5 **The average of first 127 odd natural numbers, is:**

Ans
- ✘ A. 126.5
- ✘ B. 128
- ✘ C. 127.5
- ✔ D. 127

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Q.6 Kartik can do a piece of work in 4 hours. Ishan can do it in 20 hours. With the assistance of Krish, they completed the work in 2 hours. In how many hours can Krish alone do it?

Ans

✗ A. 4

✗ B. 6

✓ C. 5

✗ D. 7

Q.7 Rupesh bought 52 books for Rs 1130 from one shop and 47 books for Rs 910 from another. What is the average price (in Rs) he paid per book ?

Ans

✗ A. 1015.56

✗ B. 1035.56

✓ C. 1025.56

✗ D. 1040.56

Q.8 Isha can do a certain piece of work in 15 days. Isha and Smriti can together do the same work in 11 days, and Isha, Smriti and Ashlesha can do the same work together in 10 days. In how many days can Isha and Ashlesha do the same work?

Ans

✗ A. $\frac{62}{7}$

✗ B. $\frac{70}{5}$

✗ C. $\frac{64}{6}$

✓ D. $\frac{66}{5}$

Q.9 The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 107. Find the average of the remaining two numbers?

Ans

✗ A. 200

✓ B. 199

✗ C. 183

✗ D. 182

Q.10 Evaluate: 41 - [21 - {11 - (15 - 6 ÷ 3 × 3)}]

Ans

✗ A. 19

✓ B. 22

✗ C. 17

✗ D. 24

Q.11 Evaluate:

$$\sqrt{\left(92+\sqrt{\left((60+\sqrt{\left(11+\sqrt{\left(16+\sqrt{(81)}\right)}\right)}\right)}\right)}$$

Ans

✗ A. 6

✗ B. 9

✓ C. 10

✗ D. 13

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Q.12 An amount of ₹866 is divided among three persons in the ratio of 2 : 6 : 12. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans
- ✗ A. 355
- ✗ B. 336
- ✓ C. 433
- ✗ D. 517

Q.13 The cost price of 20 articles is equal to the selling price of 16 articles. Find the profit percentage.

Ans
- ✗ A. 15%
- ✗ B. 20%
- ✗ C. 22%
- ✓ D. 25%

Q.14 Find the diameter of a cone whose volume and height are 3696 cubic units and 18 units, respectively. (Use $\pi = \frac{22}{7}$)

Ans
- ✗ A. 26 units
- ✗ B. 38 units
- ✓ C. 28 units
- ✗ D. 36 units

Q.15 A person can complete a journey in 9 hours. He covers the first one-third part of the journey at the rate of 10 km/h and the remaining distance at the rate of 20 km/h. What is the total distance of his journey (in km)?

Ans
- ✓ A. 135
- ✗ B. 141
- ✗ C. 143
- ✗ D. 144

Q.16 Simplify the following.

$$2\frac{3}{7} + \frac{11}{35} - 3\frac{13}{15}$$

Ans
- ✗ A. $-\frac{13}{105}$
- ✗ B. $1\frac{13}{105}$
- ✓ C. $-1\frac{13}{105}$
- ✗ D. $\frac{13}{105}$

Q.17 A bus travelling at 11 km/h completes a journey in 14 hours. At what speed will it have to cover the same distance in 11 hours?

Ans
- ✗ A. 4 km/h
- ✗ B. 23 km/h
- ✗ C. 18 km/h
- ✓ D. 14 km/h

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Q.18 **The value of a furniture set depreciates every year by 5%. If the present value of the furniture is ₹1,20,000, what will be its value after 2 years?**

Ans

✔ A. ₹1,08,300

✘ B. ₹1,10,000

✘ C. ₹1,08,000

✘ D. ₹1,09,500

Q.19 **Three bells ring at intervals of 12 minutes, 18 minutes, and 24 minutes, respectively. If they all ring together at 12:00 p.m., In how many minutes will they all ring together again?**

Ans

✘ A. 108

✘ B. 6

✔ C. 72

✘ D. 36

Q.20 **A fruit vendor restocks apples every 4 days and bananas every 6 days. If he restocks both fruits today, after how many days will he restock both apples and bananas on the same day again?**

Ans

✘ A. 8 days

✔ B. 12 days

✘ C. 10 days

✘ D. 16 days

Q.21 **What is the smallest 5-digit number exactly divisible by 999?**

Ans

✘ A. 19,999

✘ B. 10,899

✔ C. 10,989

✘ D. 10,999

Q.22 **A sum, when invested at 10% simple interest per annum, amounts to ₹3840 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?**

Ans

✘ A. 1280

✘ B. 320

✔ C. 640

✘ D. 2560

Q.23 **If 2 , 64 , 86 , and y are in proportion, then the value of y is:**

Ans

✘ A. 2757

✔ B. 2752

✘ C. 2767

✘ D. 2762

Q.24 **In a race, an athlete covers a distance of 360 m in 60 sec in the first lap. He covers the second lap of the same length in 180 sec. What is the average speed (in m/sec) of the athlete?**

Ans

✘ A. 10

✔ B. 3

✘ C. 12

✘ D. 9

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Q.25 $5\frac{1}{2}+6\frac{1}{2}-8\frac{1}{4}+24-[9-\{6-(10-\overline{4-3})\}]$

Ans

✗ A. $15\frac{1}{4}$

✗ B. $12\frac{3}{4}$

✓ C. $15\frac{3}{4}$

✗ D. $12\frac{1}{4}$

Q.26 **The sum of 10 numbers is 240. Find their average.**

Ans

✗ A. 25

✗ B. 23

✗ C. 22

✓ D. 24

Q.27 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 135. Find the average of the remaining two numbers?**

Ans

✗ A. 211

✗ B. 186

✗ C. 210

✓ D. 185

Q.28 **One side of a parallelogram is 24 cm and the corresponding altitude is 6 cm. Find the area of the parallelogram.**

Ans

✗ A. 1. 12 cm^2

✓ B. 2. 144 cm^2

✗ C. 3. 120 cm^2

✗ D. 4. 30 cm^2

Q.29 **If ₹2,000 is invested at an annual compound interest rate of 6% for 3 years, what is the amount after 3 years? (In nearest rupee)**

Ans

✗ A. ₹2,375

✓ B. ₹2,382

✗ C. ₹2,396

✗ D. ₹2,412

Q.30 **The value of an LED television depreciates every year by 5%. If the present value of the LED TV is ₹67,000, what will be its value after 2 years?**

Ans

✓ A. ₹60,467.50

✗ B. ₹59,816

✗ C. ₹60,476.75

✗ D. ₹59,746.50

Q.31 **Find the surface area of a sphere whose diameter is equal to 84 cm.**

Ans

✗ A. 1. 6539π cm^2

✗ B. 2. 7035π cm^2

✓ C. 3. 7056π cm^2

✗ D. 4. 7733π cm^2

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Q.32 **The marked price of a bicycle is ₹1,456. A shopkeeper allows a discount of 10% and gets a profit of 12%. Find the cost price of the bicycle.**

Ans

✗ A. ₹1,370

✓ B. ₹1,170

✗ C. ₹1,270

✗ D. ₹1,070

Q.33 **Evaluate: 41 - [21 - {11 - (15 - 6 ÷ 2 × 3)}]**

Ans

✓ A. 25

✗ B. 20

✗ C. 22

✗ D. 27

Q.34 The marked price of an article is ₹16,000. A shopkeeper offered two successive discounts of 10% and 5%, respectively, to a customer. At what price did the customer buy that item?

Ans

✗ A. ₹11,680

✗ B. ₹12,680

✓ C. ₹13,680

✗ D. ₹14,680

Q.35 **10 men and 6 women can do a piece of work in 4 days, whereas 12 men and 18 women can do it in 2 days. Find the ratio of the daily work done by a man to that done by a woman, respectively.**

Ans

✗ A. 4 : 3

✓ B. 3 : 4

✗ C. 2 : 1

✗ D. 1 : 2

Section : **General Intelligence and Reasoning**

Q.36 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

CJP : CKP
GTM : GUM

Ans

✓ A. TDF : TEF

✗ B. EUW : WVE

✗ C. HLT : HNT

✗ D. JMS : JLS

Q.37 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some carrots are onions.
All onions are gingers.
Some gingers are potatoes.

Conclusions:
(I) All potatoes are onions.
(II) All gingers are carrots.

Ans

✗ A. Only conclusion (II) follows.

✗ B. Only conclusion (I) follows.

✗ C. Both conclusions (I) and (II) follow.

✓ D. Neither conclusion (I) nor (II) follows.

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Q.38 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

KM37 IK48 GI59 EG70 ?

Ans

✗ A. CF81

✓ B. CE81

✗ C. CF82

✗ D. CE82

Q.39 **What will come in the place of '?' in the following equation, if '+' and '–' are interchanged and '×' and '÷' are interchanged?**
32 – 24 + 18 ÷ 36 × 12 = ?

Ans

✗ A. -8

✓ B. 2

✗ C. -3

✗ D. -13

Q.40 **All 51 students in a class are standing in a row facing north. Aditi is 21st from the right end while Sagar is 35th from the left end. How many people stand between Aditi and Sagar?**

Ans

✗ A. 2

✗ B. 5

✓ C. 3

✗ D. 4

Q.41 **Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. No one sits to the left of R. X sits to the immediate left of S. Only four people sit between R and T. Only three people sit to the right of Y. W is not an immediate neighbour of Y. How many people sit between W and Y?**

Ans

✓ A. Two

✗ B. One

✗ C. Three

✗ D. Four

Q.42 **Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.**
MOR–QSV
TVY–XZC

Ans

✗ A. WXZ–ZBE

✓ B. SUX–WYB

✗ C. WXZ–ACF

✗ D. WYB–ZCE

Q.43 **Select the number from among the given options that can replace the question mark (?) in the following series.**

8 18 60 174 528 ?

Ans

✗ A. 1576

✗ B. 1574

✗ C. 1577

✓ D. 1578

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Q.44 **A, B, C, D, E and F are sitting around a circular table facing the centre. C sits third to the right of D. D sits second to the left of F. B sits third to the right of A. A sits to the immediate left of E. How many people sit between B and C when counted from the left of C?**

Ans

✗ A. None

✗ B. Two

✗ C. Four

✓ D. One

Q.45 **Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.**
(Left) Ω 9 % 3 1 * £ 5 4 2 & 6 # @ 8 $ 7 + (Right)
How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

Ans

✗ A. 4

✗ B. 1

✓ C. 2

✗ D. 3

Q.46 **Oren starts from Point A and drives 13 km towards West. He then takes a left turn, drives 3 km, turns left and drives 16 km. He then takes a left turn and drives 7 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans

✗ A. 3 km to the North

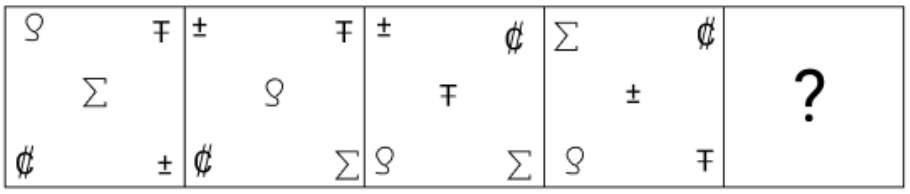
✗ B. 4 km to the North

✓ C. 4 km to the South

✗ D. 3 km to the South

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Q.47



Ans

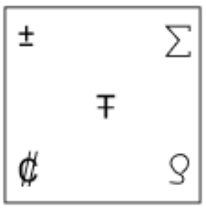
✗ A.



✓ B.



✗ C.



✗ D.



Q.48 **D, E, F, U, V and X live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. D lives on floor numbered 4. Only two people live between D and F. Only U lives between D and E. X lives immediately below D. Who lives on floor numbered 2?**

Ans

✗ A. F

✗ B. E

✓ C. V

✗ D. U

Q.49 **In a certain code language, 'FILE' is coded as '3872' and 'LIVE' is coded as '7286'. What is the code for 'V' in the given code language?**

Ans

✗ A. 7

✓ B. 6

✗ C. 8

✗ D. 2

Q.50 **What will come in the place of the question mark (?) in the following equation if '+' and '÷' are interchanged?**

20 + 5 ÷ 5 – 10 = ?

Ans

✗ A. 11

✗ B. 10

✓ C. – 1

✗ D. – 5

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Q.51 P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only two people sit between S and V when counted from the left of V. T sits third to the left of U. P sits to the immediate right of U. P sits second to the left of S. Q is an immediate neighbour of T. How many people sit between R and V when counted from the right of V?

Ans

✔ A. 2

✘ B. 3

✘ C. 4

✘ D. 1

Q.52 In a certain code language,
A ~ B means 'A is the father of B',
A + B means 'A is the wife of B',
A = B means 'A is the brother of B',
A - B means 'A is the mother of B'.

Based on the above, how is C related to F if 'C ~ H = I - E + F'?

Ans

✘ A. Wife's mother's son

✘ B. Wife's brother's sister

✘ C. Wife's sister's brother

✔ D. Wife's mother's father

Q.53 What should come in place of the question mark (?) in the given series?

12 22 34 48 64 ?

Ans

✘ A. 86

✘ B. 94

✘ C. 90

✔ D. 82

Q.54 What will come in the place of the question mark (?) in the following equation if '+' and '×' are interchanged and '−' and '÷' are interchanged?
81 − 9 + 6 ÷ 36 × 13 = ?

Ans

✘ A. 112

✘ B. 151

✘ C. 103

✔ D. 31

Q.55 This question is based on the five, three-digit numbers given below.

(Left) 271 145 432 372 457 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

Ans

✘ A. 0

✘ B. 2

✔ C. 1

✘ D. 3

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Q.56 **Jatin starts from Point A and drives 9 km towards West. He then takes a right turn, drives 7 km, turns right and drives 13 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans

✗ A. 5 km to the south

✓ B. 4 km to the north

✗ C. 5 km to the north

✗ D. 4 km to the south

Q.57 **In a certain code language, 'green colour is my favourite' is coded as 'ni li pi si fu' and 'trees are dark green' is coded as 'ai pi bi ii'. How is 'green' coded in the given language?**

Ans

✓ A. pi

✗ B. bi

✗ C. li

✗ D. si

Q.58 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans

✗ A. LPN

✗ B. BFD

✓ C. HLN

✗ D. RVT

Q.59 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

24 - 10 - 14
33 - 11 - 22

Ans

✗ A. 5 - 1 - 3

✗ B. 54 - 3 - 48

✗ C. 3 - 2 - 4

✓ D. 10 - 3 - 7

Q.60 **Three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that does NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans

✗ A. KW - UF

✓ B. FK - TA

✗ C. OA - YJ

✗ D. AM - KV

Q.61 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

NUT : LSR
VOG : TME

Ans

✗ A. FAY : EDZ

✗ B. QMD : SNH

✓ C. CLM : AJK

✗ D. DVG : HWB

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Q.62 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

TGH 18, SIG 24, RKF 30, QME 36, ?

Ans

✗ A. SOG 42

✓ B. POD 42

✗ C. RNF 42

✗ D. OPD 40

Q.63 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some letters are paragraphs.
All paragraphs are sentences.

Conclusions:
(I) Some sentences are letters.
(II) All paragraphs are letters.

Ans

✓ A. Only conclusion (I) follows.

✗ B. Both conclusions (I) and (II) follow.

✗ C. Only conclusion (II) follows.

✗ D. Neither conclusion (I) nor (II) follows.

Q.64 **This question is based on the five, three-digit numbers given below.**

(Left) 284 452 371 372 763 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans

✗ A. 12

✗ B. 13

✗ C. 10

✓ D. 11

Q.65 **What should come in place of the question mark (?) in the given series?**

72 76 84 96 112 ?

Ans

✗ A. 123

✗ B. 145

✗ C. 154

✓ D. 132

Q.66 **In a certain code language, 'SAND' is coded as '2567' and 'HAND' is coded as '7521'. What is the code for 'H' in the given code language?**

Ans

✗ A. 7

✗ B. 2

✓ C. 1

✗ D. 5

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Q.67 What should come in place of '?' in the given series based on the English alphabetical order?

SLN QJL OHJ MFH ?

Ans

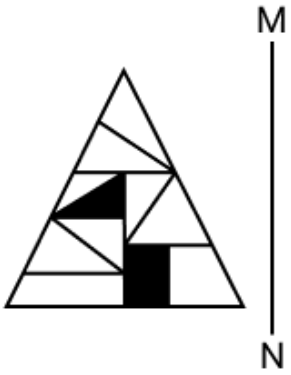
✗ A. KDG

✗ B. KCG

✓ C. KDF

✗ D. KCF

Q.68



Ans

✗ A.



✓ B.



✗ C.



✗ D.



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Q.69 **In a certain code language,**
A ! B means 'A is the wife of B'
A # B means ' A is the brother of B'
A + B means 'A is the mother of B'
A ~ B means 'A is the father of B'
Based on the above, how is H related to E if 'H ~ O # S + T ! E'?

Ans
- ✗ A. Wife's father's sister
- ✗ B. Wife's sister's brother
- ✗ C. Wife's mother's son
- ✓ D. Wife's mother's father

Q.70 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some onions are potatoes.
No potato is a carrot.
Conclusions:
(I): No potato is an onion.
(II): Some carrots are potatoes.

Ans
- ✗ A. Only conclusion (I) follows.
- ✗ B. Both conclusions (I) and (II) follow.
- ✓ C. Neither conclusion (I) nor (II) follows.
- ✗ D. Only conclusion (II) follows.

Section : **General Awareness**

Q.71 **Which two fundamental electrical quantities are related by the Ohm's Law?**

Ans
- ✓ A. Voltage and current
- ✗ B. Current and power
- ✗ C. Voltage and power
- ✗ D. Power and resistance

Q.72 **Where is the 46th session of UNESCO's World Heritage Committee being held in July 2024?**

Ans
- ✗ A. Paris, France
- ✗ B. Beijing, China
- ✗ C. Rome, Italy
- ✓ D. New Delhi, India

Q.73 **In which city did Jyotiba Phule with his wife start India's first girls' school in 1848?**

Ans
- ✗ A. Calcutta
- ✓ B. Poona
- ✗ C. Madras
- ✗ D. Delhi

Q.74 **What is the primary characteristic of the Thar Desert's soil?**

Ans
- ✓ A. Sandy and dry soil
- ✗ B. Fertile and black soil
- ✗ C. Wet and marshy soil
- ✗ D. Rocky soil

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Q.75 **Phase change reaction in Daniell cell is an example of:**

Ans
- ✗ A. Cyclic process
- ✓ B. Reversible process
- ✗ C. Isochoric process
- ✗ D. Irreversible process

Q.76 **In which year Swami Dayanand Saraswati founded the Arya Samaj in Bombay?**

Ans
- ✗ A. 1895
- ✗ B. 1865
- ✓ C. 1875
- ✗ D. 1885

Q.77 **Yeast is commonly used in kitchen for baking and brewing. The scientific name for baker's yeast is _____.**

Ans
- ✗ A. Lactobacillus acidophilus
- ✗ B. Bacillus subtilis
- ✗ C. Escherichia coli
- ✓ D. Saccharomyces cerevisiae

Q.78 **Which country has joined the Hague System in 2024, expanding the geographical scope of WIPO's international design system to 97 countries?**

Ans
- ✗ A. South Sudan
- ✓ B. Saint Kitts and Nevis
- ✗ C. North Korea
- ✗ D. Nepal

Q.79 **Which of the following states of India is located on the coast of the Arabian Sea?**

Ans
- ✗ A. Odisha
- ✗ B. Andhra Pradesh
- ✗ C. Tamil Nadu
- ✓ D. Karnataka

Q.80 **What is the target number of marginal farmers HDFC Bank aims to support under the 'Parivartan' initiative by 2025?**

Ans
- ✗ A. 10 lakh
- ✓ B. 5 lakh
- ✗ C. 1 lakh
- ✗ D. 3 lakh

Q.81 **Which of the following statements is/are correct in the context of the consequences of the 1857 revolt?**
I. Lord Canning held Durbar at Allahabad in November 1857.
II. The Indian administration was taken over by Queen Victoria.

Ans
- ✓ A. Only II
- ✗ B. Both I and II
- ✗ C. Neither I nor II
- ✗ D. Only I

Q.82 **What is the main feature of the Bhangar region in the Northern Plains?**

Ans
- ✓ A. Old alluvial soils
- ✗ B. Fertile soils
- ✗ C. Black soils
- ✗ D. Rocky terrain

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Q.83 The book 'Religion and Ideology of the Rebels of 1857' was written by:

Ans

✗ A. Puran Chandra Joshi

✗ B. Ashok Mehta

✓ C. Iqbal Husain

✗ D. RC Majumdar

Q.84 Which of the following pairs of nuclear power reactor and its state is correct?

Ans

✓ A. Rawatbhata – Rajasthan

✗ B. Kaiga - Maharashtra

✗ C. Kalpakkam - Kerala

✗ D. Kakrapar - Karnataka

Q.85 Which of the following is an example of a heavy metal that the Indian Institute of Science (IISc) researchers aimed to reduce in groundwater with their nanomaterial-based solution in September 2024?

Ans

✓ A. Chromium

✗ B. Sodium

✗ C. Calcium

✗ D. Potassium

Q.86 The Five-Year Plans in India were based on the model of which economist?

Ans

✗ A. John Maynard Keynes

✓ B. Mahalanobis

✗ C. Adam Smith

✗ D. Karl Marx

Q.87 Who appoints the Chief Minister of a State?

Ans

✗ A. The Speaker of the State Assembly

✓ B. The Governor of the State

✗ C. The Prime Minister of India

✗ D. The President of India

Q.88 IMT 2030 can be defined as a/an ____.

Ans

✗ A. 1. 7th-Generation technology

✗ B. AI-based domain name

✗ C. super computer

✓ D. 4. 6th-Generation or 6G technology

Q.89 Justice Sanjiv Khanna took oath as the ____ Chief Justice of India on November 11, 2024.

Ans

✗ A. 1. 54th

✗ B. 2. 50th

✗ C. 3. 52nd

✓ D. 4. 51st

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Q.90 **Which of the following are the categories to measure the level of Human Development of the countries?**
1. Very High
2. Medium
3. Low
4. Below Average

Ans
- ✗ A. 1 and 2 only
- ✗ B. 3 and 4 only
- ✗ C. 1, 2, 3 and 4
- ✓ D. 1, 2 and 3 only

Q.91 **Which extremist leader later adopted a spiritual path and was associated with Pondicherry (Puducherry)?**

Ans
- ✗ A. Lala Lajpat Rai
- ✗ B. Bipin Chandra Pal
- ✓ C. Aurobindo Ghosh
- ✗ D. Bal Gangadhar Tilak

Q.92 **Who secretly reorganised the Hindustan Republican Association (HRA) with Bhagat Singh and other rebels in 1928 and changed its name to Hindustan Socialist Republican Association (HSRA)?**

Ans
- ✓ A. Chandra Shekhar Azad
- ✗ B. Sardar Vallabhbhai Patel
- ✗ C. Subhas Chandra Bose
- ✗ D. Chittaranjan Das

Q.93 **What is the title of Arundhati Roy's first memoir, which is set to release in September 2025?**

Ans
- ✓ A. Mother Mary Comes to Me
- ✗ B. Memoirs of a Silent Woman
- ✗ C. The Mother's Heart
- ✗ D. Journey of the Soul

Q.94 **Subatomic particles like electrons, protons and neutrons exhibit:**

Ans
- ✗ A. only wave nature
- ✗ B. macroparticle nature
- ✗ C. only particle nature
- ✓ D. both particle and wave nature

Q.95 **The State is required to promote the welfare of the people as per which Article of the Indian Constitution?**

Ans
- ✓ A. Article 38
- ✗ B. Article 51
- ✗ C. Article 39
- ✗ D. Article 52

Q.96 **When did India reach its record low Statutory Liquidity Ratio (SLR) of 18.00%?**

Ans
- ✓ A. November 2024
- ✗ B. January 2024
- ✗ C. February 2015
- ✗ D. March 2024

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Q.97 **Which of the following signed the Bilateral Investment Treaty (BIT) in September 2024?**

Ans

✗ A. Government of the Republic of India and the Government of Republic of Indonesia

✓ B. Government of the Republic of India and the Government of Republic of Uzbekistan

✗ C. Government of the Republic of India and the Government of Republic of South Africa

✗ D. Government of the Republic of India and the Government of Republic of Congo

Q.98 **Admission and allocation of new states is mentioned in which of the following Articles of the Indian Constitution?**

Ans

✓ A. Article 2

✗ B. Article 3

✗ C. Article 1

✗ D. Article 4

Q.99 **Khardung La Pass, one of the highest motorable passes in the world, is located in which of the following States/Union Territories?**

Ans

✗ A. Sikkim

✗ B. Himachal Pradesh

✓ C. Ladakh

✗ D. Jammu and Kashmir

Q.100 **The Financial Services Institutions Bureau (FSIB) has recommended Ashok Chandra as the next Managing Director and CEO of which bank in October 2024?**

Ans

✗ A. Bank of Baroda

✗ B. Canara Bank

✗ C. State Bank of India

✓ D. Punjab National Bank

Q.101 **On August 22, 2024, Bandhan Bank launched 'Avni' savings account, a product specially designed for women that offers personal accident insurance cover of _____.**

Ans

✗ A. ₹8 lakh

✗ B. ₹5 lakh

✓ C. ₹10 lakh

✗ D. ₹2 lakh

Q.102 **Which Section of the Citizenship Act, 1955, did the Supreme Court of India uphold in October 2024?**

Ans

✗ A. Section 8A

✗ B. Section 7

✗ C. Section 6B

✓ D. Section 6A

Q.103 **Which of the following crops is commonly grown in dry, arid areas and requires minimal water?**

Ans

✓ A. Bajra

✗ B. Rice

✗ C. Jute

✗ D. Wheat

Q.104 **Which industry was most developed in India before Independence?**

Ans

✗ A. Electronics industry

✗ B. Automobile industry

✓ C. Textile industry

✗ D. IT industry

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Q.105 **Which of these programmes aims to improve the physical infrastructure in rural areas?**

Ans

✗ A. Make in India

✗ B. Smart Cities Mission

✗ C. Digital India

✓ D. Pradhan Mantri Gram Sadak Yojana (PMGSY)

Q.106 **Between September 2023 and March 2024, according to the financial stability report of the Reserve Bank of India (RBI), the Liquidity Coverage Ratio (LCR) of banks declined to .**

Ans

✓ A. 130.3%

✗ B. 110%

✗ C. 101.3%

✗ D. 120%

Q.107 **Which Act abolished the dyarchy in provinces and introduced provincial autonomy during the British rule?**

Ans

✓ A. Government of India Act, 1935

✗ B. Government of India Act, 1919

✗ C. Indian Councils Act, 1909

✗ D. Indian Independence Act, 1947

Q.108 **What was a key change introduced in agriculture as part of the 1991 economic reforms?**

Ans

✗ A. All agricultural lands were nationalised.

✗ B. Traditional farming methods were mandated.

✗ C. Subsidies were increased significantly.

✓ D. Restrictions on exports of agricultural products were reduced.

Q.109 **The Kavaratti Island is a part of which Union Territory/Territories of India?**

Ans

✗ A. Andaman and Nicobar Islands

✗ B. Puducherry

✓ C. Lakshadweep

✗ D. Dadra and Nagar Haveli & Daman and Diu

Q.110 **A festival of the Jain community, Deo Deepawali, which is celebrated 10 days after Deepawali to mark the attainment of nirvana (death) by Mahavira, is mainly celebrated at ____ in Bihar.**

Ans

✗ A. Patna

✗ B. Sarnath

✗ C. Bodh Gaya

✓ D. Pawapuri

Q.111 **In the Global Innovation Index (GII) 2024, India ranked 39th out of 133 economies. Which organisation published this report?**

Ans

✓ A. World Intellectual Property Organization (WIPO)

✗ B. International Monetary Fund (IMF)

✗ C. World Bank

✗ D. United Nations Development Programme (UNDP)

Q.112 **In 1990, the National Front coalition government introduced the recommendations of the Mandal Commission for ____ of reservation for OBC candidates at all levels of government services.**

Ans

✗ A. 15%

✗ B. 30%

✓ C. 27%

✗ D. 21%

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Q.113 Which type of wall is present in the closed system?

Ans

✗ A. Permeable wall

✗ B. Adiabatic wall

✓ C. Diathermal wall

✗ D. Semi-permeable wall

Q.114 Who was the third ruler of the Maurya Empire?

Ans

✗ A. Bindusara

✗ B. Brihadratha

✓ C. Ashoka

✗ D. Chandragupta

Q.115 The States Human Rights Commission is a/an:

Ans

✓ A. statutory body

✗ B. inter-state body

✗ C. non-profit organisation

✗ D. constitutional body

Q.116 In 1706, the compilations of the holy scripture of the Sikhs, Guru Granth Sahib, was authenticated by whom of the following?

Ans

✓ A. Guru Gobind Singh

✗ B. Guru Nanak Dev

✗ C. Guru Arjan Dev

✗ D. Guru Angad Dev

Q.117 What percentage of India's population depended on agriculture at the time of independence?

Ans

✗ A. 35%

✓ B. 75%

✗ C. 50%

✗ D. 90%

Q.118 Which British officer fought in the famous Battle of Chinhat?

Ans

✗ A. Sir Colin Campbell

✗ B. Lord Hasting

✗ C. General Hugh Rose

✓ D. Henry Lawrence

Q.119 Which of the following/who among the following is/are NOT covered under the jurisdiction of the Central Administrative Tribunal (CAT)?

Ans

✗ A. The Central Civil Services

✗ B. Civilian employees of defense services

✓ C. Members of the defense forces

✗ D. All India Services

Q.120 Which of the following Articles of the Constitution provides for the establishment of a Legislative Assembly in a Union Territory?

Ans

✗ A. Article 239

✗ B. Article 241

✗ C. Article 240

✓ D. Article 239A

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	04/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **The smallest number which, when divided by 36 and 45 leaves remainders 8 and 17, respectively, is:**

Ans
- ✔ A. 152
- ✘ B. 172
- ✘ C. 163
- ✘ D. 171

Q.2 **In a race, an athlete covers a distance of 402 m in 134 sec in the first lap. He covers the second lap of the same length in 67 sec. What is the average speed (in m/sec) of the athlete?**

Ans
- ✘ A. 12
- ✔ B. 4
- ✘ C. 5
- ✘ D. 3

Q.3 **A store has a product with a cost price of ₹400. Additionally, if a customer uses a store loyalty card, they receive an extra 5% discount. What is the final price the customer pays?**

Ans
- ✘ A. 480
- ✘ B. 360
- ✘ C. 390
- ✔ D. 380

Q.4 **Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Shivam borrowed an amount of ₹460000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Shivam after 3 years positive difference (in ₹) .**

Ans
- ✘ A. 35500
- ✔ B. 34500
- ✘ C. 36000
- ✘ D. 34000

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Q.5 The monthly incomes of two friends Nirmal and Rakesh, are in the ratio 5 : 7 respectively and each of them saves ₹93000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Nirmal(in ₹).

Ans

✗ A. 117250

✗ B. 162750

✗ C. 115250

✓ D. 116250

Q.6 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 102. Find the average of the remaining two numbers?

Ans

✗ A. 199.5

✗ B. 181

✗ C. 180

✓ D. 198.5

Q.7 If the side length of a square increases from 5 cm to 7 cm, find the percentage increase in its area.

Ans

✗ A. 80%

✗ B. 86%

✓ C. 96%

✗ D. 90%

Q.8 Rishi can do a piece of work in 8 hours. Shan can do it in 12 hours. With the assistance of Veer, they completed the work in 3 hours. In how many hours can Veer alone do it?

Ans

✗ A. 9

✗ B. 10

✓ C. 8

✗ D. 7

Q.9 If after three successive discounts of 20%, 25% and 35%, an item is sold for ₹33,150, what is its marked price (in ₹)?

Ans

✗ A. 90,000

✗ B. 82,000

✗ C. 87,000

✓ D. 85,000

Q.10 Two pipes, A and B, can fill the tank in 60 hours and 90 hours, respectively. If both the pipes are opened simultaneously, in how many hours will 75% of the tank be filled?

Ans

✓ A. 27

✗ B. 30

✗ C. 33

✗ D. 36

Q.11 Three partners invested in a business in the ratio 4:3:1. They invested their capitals for 9 months, 2 months and 11 months, respectively. What was the ratio of their profits?

Ans

✗ A. 39:6:11

✗ B. 37:6:11

✓ C. 36:6:11

✗ D. 38:6:11

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Q.12 **Evaluate:**

$$\sqrt{\left(2+\sqrt{\left((39+\sqrt{\left(97+\sqrt{\left(5+\sqrt{(16)}\right)}\right)}\right)}\right)}$$

Ans

✔ A. 3

✘ B. 2

✘ C. 7

✘ D. 4

Q.13 **If 0.008/x = 0.01, find x.**

Ans

✔ A. 0.8

✘ B. 80

✘ C. 0.08

✘ D. 8

Q.14 If $A=\frac{0.125+0.729}{0.25-0.45+0.81}-0.25+\frac{12}{20}-\frac{6}{8}$, then the value of A is:

Ans

✘ A. 1.4

✘ B. 0

✘ C. 2

✔ D. 1

Q.15 **An isosceles right-angled triangle has two equal sides of length 12 cm each. Find its area.**

Ans

✘ A. 1. 24 cm^2

✘ B. 2. 144 cm^2

✘ C. 3. 48 cm^2

✔ D. 4. 72 cm^2

Q.16 **The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 103. Find the average of the remaining two numbers?**

Ans

✔ A. 200

✘ B. 201

✘ C. 180

✘ D. 179

Q.17 **A man sold his watch at a loss of 5%. Had he sold it for ₹56.40 more, he would have gained 10%. What is the cost price (in ₹) of the watch?**

Ans

✘ A. ₹377

✔ B. ₹376

✘ C. ₹378

✘ D. ₹375

Q.18 **Evaluate: 2 × {17 - 2 × (8 -5)}**

Ans

✘ A. 21

✔ B. 22

✘ C. 26

✘ D. 19

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Q.19 The population of a village increases at the rate of 25 per thousand annually. If the present population is 84050, what was the population two years ago?

Ans
- ✗ A. 81,200
- ✗ B. 81,000
- ✓ C. 80,000
- ✗ D. 82,000

Q.20 The sum of 8 numbers is 696. Find their average.

Ans
- ✓ A. 87
- ✗ B. 85
- ✗ C. 86
- ✗ D. 88

Q.21 In what ratio should sugar costing ₹10 per kg be mixed with sugar costing ₹61 per kg so that by selling the mixture at ₹31.5 per kg, there is a profit of 26%?

Ans
- ✓ A. 36 : 15
- ✗ B. 16 : 35
- ✗ C. 17 : 37
- ✗ D. 16 : 37

Q.22 The LCM of two numbers is 72. Their ratio is 3 : 4. Find the sum of the numbers.

Ans
- ✗ A. 40
- ✓ B. 42
- ✗ C. 44
- ✗ D. 38

Q.23 In covering a distance of 72 km, Amit takes 5 hours more than Vinay. If Amit doubles his speed, then he would take 7 hour less than Vinay. Amit's speed is:

Ans
- ✗ A. 1 km/h
- ✗ B. 5 km/h
- ✓ C. 3 km/h
- ✗ D. 6 km/h

Q.24 Find the surface area of a sphere whose diameter is equal to 30 cm.

Ans
- ✗ A. 1. 924π cm^2
- ✗ B. 2. 1030π cm^2
- ✓ C. 3. 900π cm^2
- ✗ D. 4. 896π cm^2

Q.25 The difference between simple and compound interests, compounded annually, on a certain sum of money for 2 years at 5% per annum is ₹1,600. Find the sum (in ₹).

Ans
- ✗ A. 32,000
- ✓ B. 6,40,000
- ✗ C. 64,000
- ✗ D. 3,20,000

Q.26 A bus travelling at 99 km/h completes a journey in 14 hours. At what speed will it have to cover the same distance in 18 hours?

Ans
- ✓ A. 77 km/h
- ✗ B. 81 km/h
- ✗ C. 69 km/h
- ✗ D. 74 km/h

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Q.27 **Anjani can do a certain piece of work in 18 days. Anjani and Khushbu can together do the same work in 14 days, and Anjani, Khushbu and Sushmita can do the same work together in 9 days. In how many days can Anjani and Sushmita do the same work?**

Ans

✗ A. $\frac{29}{4}$

✗ B. $\frac{20}{3}$

✓ C. $\frac{21}{2}$

✗ D. $\frac{18}{2}$

Q.28 **The ages of Misha and Kamal are in the ratio of 2 : 3 respectively. After 6 years the ratio of their ages will be 7 : 9. What is the difference in their present ages?**

Ans

✓ A. 4

✗ B. 23

✗ C. 20

✗ D. 19

Q.29 **A person can complete a journey in 24 hours. He covers the first one-third part of the journey at the rate of 42 km/h and the remaining distance at the rate of 12 km/h. What is the total distance(km) of his journey?**

Ans

✗ A. 386

✗ B. 385

✓ C. 378

✗ D. 371

Q.30 **A person buys a radio for ₹1,200 and sells it at a 10% loss. The person then buys the same model from the supplier and sells it again at a 15% profit. What is the overall profit or loss percentage?**

Ans

✗ A. 4.5% loss

✓ B. 2.5% profit

✗ C. 3.5% profit

✗ D. 2.55% loss

Q.31 **Evaluate: 2 × {17 - 2 × (9 -5)}**

Ans

✓ A. 18

✗ B. 17

✗ C. 22

✗ D. 15

Q.32 **2% of 11% of a number is what percentage of that number?**

Ans

✗ A. 13

✗ B. 22

✗ C. 0.022

✓ D. 0.22

Q.33 **Which of the following numbers is divisible by 11?**

Ans

✗ A. 715896

✗ B. 715876

✓ C. 715891

✗ D. 715859

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Q.34 **The average of first 124 odd natural numbers, is:**

Ans
- ✔ A. 124
- ✘ B. 123.5
- ✘ C. 125
- ✘ D. 124.5

Q.35 The areas of three surfaces of a cuboid are 10 m^2, 18 m^2 and 20 m^2. What is the volume (in m^3) of the cuboid?

Ans
- ✘ A. 48
- ✘ B. 36
- ✔ C. 60
- ✘ D. 56

Section : **General Intelligence and Reasoning**

Q.36 **This question is based on the five, three-digit numbers given below.**

(Left) 169 837 576 268 715 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

Ans
- ✘ A. 1
- ✘ B. 4
- ✔ C. 2
- ✘ D. 3

Q.37 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✘ A. ISC
- ✔ B. FPO
- ✘ C. XHR
- ✘ D. DNX

Q.38 **What will come in the place of the question mark (?) in the following equation if '+' and '×' are interchanged and '−' and '÷' are interchanged?**
12 × 18 ÷14 − 7 + 3 = ?

Ans
- ✘ A. 12
- ✔ B. 24
- ✘ C. 18
- ✘ D. 36

Q.39 **Each of L, M, N, O, P, Q and R has an exam on a different day of the week starting from Monday and ending on Sunday of the same week. M is the first person to answer the exam. Only two people answer an exam between M and L. P does not answer an exam immediately after M but answers an exam immediately before L. Q answers an exam immediately after L. O is the last person to answer the exam. N does not answer an exam on Saturday. Who answers the exam on Tuesday?**

Ans
- ✘ A. Q
- ✘ B. P
- ✔ C. N
- ✘ D. L

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Q.40 In a certain code language, 'WOLF' is coded as '5628' and 'FLOP' is coded as '8326'. What is the code for 'P' in the given code language?

Ans
- ✗ A. 8
- ✓ B. 3
- ✗ C. 2
- ✗ D. 6

Q.41 In a certain code language, 'cake is baked' is coded as 'mk tk jb' and 'is it tasty' is coded as 'cd ab mk'. How is 'is' coded in the given language?

Ans
- ✗ A. cd
- ✓ B. mk
- ✗ C. ab
- ✗ D. jb

Q.42 Zeeshan starts from Point A and drives 38 km towards the north. He then takes a left turn, drives 35 km, turns left and drives 43 km. He then takes a left turn and drives 36 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

Ans
- ✓ A. 1 km to the west
- ✗ B. 4 km to the east
- ✗ C. 3 km to the east
- ✗ D. 2 km to the east

Q.43 What should come in place of the question mark (?) in the given series?

7 10 16 25 37 ?

Ans
- ✗ A. 50
- ✓ B. 52
- ✗ C. 53
- ✗ D. 51

Q.44 What should come in place of the question mark (?) in the given series?

18 30 47 76 110 156 ?

Ans
- ✓ A. 207
- ✗ B. 214
- ✗ C. 270
- ✗ D. 241

Q.45 What will come in the place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?
16 × 4 ÷ 6 − 23 + 16 = ?

Ans
- ✓ A. 31
- ✗ B. 15
- ✗ C. 17
- ✗ D. 63

Q.46 What should come in place of '?' in the given series based on the English alphabetical order?

ORK MPI KNG ILE ?

Ans
- ✓ A. GJC
- ✗ B. GJB
- ✗ C. GIB
- ✗ D. GIC

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Q.47 **Kartik starts from Point A and drives 10 km towards East. He then takes a left turn, drives 8 km, turns left and drives 12 km. He then takes a left turn and drives 15 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans

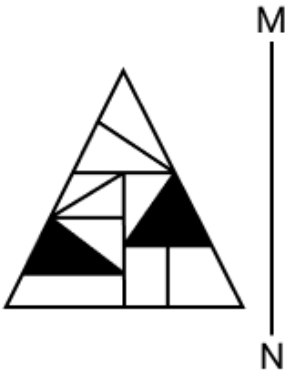
✗ A. 6 km to the north

✗ B. 6 km to the south

✓ C. 7 km to the north

✗ D. 7 km to the south

Q.48



Ans

✗ A.



✗ B.



✓ C.



✗ D.



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Q.49 **What will come in place of the question mark (?) in the following equation if '÷' and '+' are interchanged and '−' and '×' are interchanged?**

$$18 + 3 \div 7 - 3 \times 22 + 11 = ?$$

Ans

✗ A. 36

✗ B. 6

✓ C. 25

✗ D. 29

Q.50 **In a certain code language,**
A + B means 'A is the mother of B'
A – B means 'A is the father of B'
A X B means 'A is the sister of B'
A / B means 'A is the brother of B'
A > B means 'A is the husband of B'
A * B means 'A is the wife of B'

How is A related to N if M X Q * A – D / N X P?

Ans

✓ A. Father

✗ B. Mother's mother

✗ C. Sister

✗ D. Mother

Q.51 **What should come in place of the question mark (?) in the given series?**

699 698 690 663 ? 474

Ans

✗ A. 579

✗ B. 519

✗ C. 559

✓ D. 599

Q.52 **A, F, J, K, P and Q live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only two people live between F and K. Only two people live between Q and A. Only one person lives between J and A. J lives on floor numbered 1. F lives above A. How many people live between P and Q?**

Ans

✗ A. Three

✗ B. Four

✗ C. Two

✓ D. One

Q.53 **In a certain code language, 'TALE' is coded as '5836' and 'SALT' is coded as '7358'. What is the code for 'S' in the given code language?**

Ans

✗ A. 3

✗ B. 5

✗ C. 8

✓ D. 7

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Q.54 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
Some flowers are snakes.
All buttons are cats.
All snakes are cats.

Conclusions:
(I) Some buttons are snakes.
(II) Some flowers are buttons.

Ans
- ✔ A. Neither conclusion (I) nor (II) follows.
- ✘ B. Both conclusions (I) and (II) follow.
- ✘ C. Only conclusion (I) follows.
- ✘ D. Only conclusion (II) follows.

Q.55 **Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.**

Statements:
Some tickets are goats.
No tickets are books.
All tickets are lizards.

Conclusions:
(I) Some goats are lizards.
(II) No lizards are books.

Ans
- ✘ A. Neither conclusion (I) nor (II) follows.
- ✘ B. Only conclusion (II) follows.
- ✘ C. Both conclusions (I) and (II) follow.
- ✔ D. Only conclusion (I) follows.

Q.56 **What should come in place of '?' in the given series based on the English alphabetical order?**
IRP JSQ KTR LUS ?

Ans
- ✔ A. MVT
- ✘ B. MVS
- ✘ C. MVP
- ✘ D. MVR

Q.57 **AENQ is related to FJSV in a certain way based on the English alphabetical order. In the same way, TREB is related to YWJG. To which of the following is KCOU related, following the same logic?**

Ans
- ✔ A. PHTZ
- ✘ B. QISZ
- ✘ C. PTHX
- ✘ D. QIUX

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Q.58 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) & + + % 5 / 6 % 2 / 1 9 * $ @ 4 / / & 7 < (Right)

How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

Ans

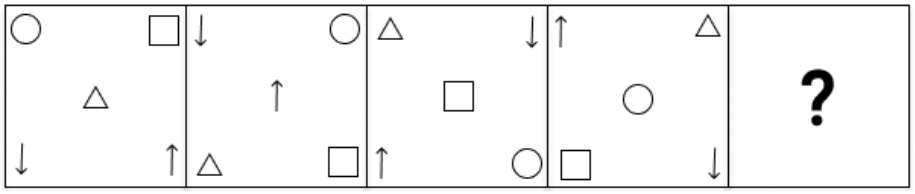
✗ A. Four

✗ B. Two

✓ C. Three

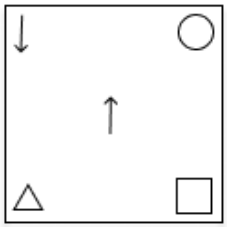
✗ D. One

Q.59

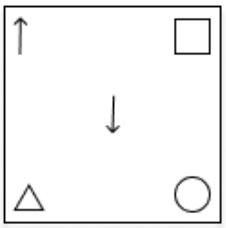


Ans

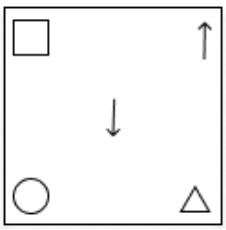
✗ A.



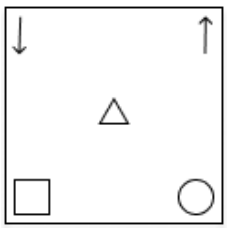
✗ B.



✓ C.



✗ D.



Q.60 **Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. W sits to the immediate right of S. Only three people sit between T and W. No one sits to the right of Q. Only two people sit between Q and S. Y sits to the immediate right of X. How many people sit between R and Y?**

Ans

✗ A. One

✗ B. Three

✓ C. Two

✗ D. Four

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Q.61 In a certain code language,
A + B means 'A is the mother of B'
A – B means 'A is the father of B'
A X B means 'A is the sister of B'
A / B means 'A is the brother of B'
A > B means 'A is the husband of B'
A * B means 'A is the wife of B'

How is H related to E if D + E – G X H X V?

Ans
- ✗ A. Father
- ✗ B. Father's sister
- ✓ C. Daughter
- ✗ D. Mother's mother

Q.62 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 6, 36)
(4, 5, 60)

Ans
- ✗ A. (7, 6, 125)
- ✓ B. (4, 8, 96)
- ✗ C. (5, 3, 48)
- ✗ D. (11, 10, 280)

Q.63 A, B, C, D, E and F are sitting around a circular table, facing the centre. E sits third to the right of A. C sits to the immediate left of F. F is not an immediate neighbour of A. B sits to the immediate right of D.
The position of how many persons will remain unchanged, if all the persons are arranged in the English alphabetical order in the clockwise direction, starting from A (including A)?

Ans
- ✗ A. One
- ✓ B. Two
- ✗ C. Four
- ✗ D. Three

Q.64 This question is based on the five, three-digit numbers given below.

(Left) 741 583 735 495 657 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is multiplied with the second digit of the lowest number?

Ans
- ✗ A. 10
- ✓ B. 9
- ✗ C. 7
- ✗ D. 12

Q.65 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. DTH
- ✗ B. MCS
- ✓ C. OEP
- ✗ D. BRH

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Q.66 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All guns are bullets.
No bullet is a cab.
No bullet is a shoe.

Conclusions:
(I) : No gun is a cab.
(II) : Some shoes are cabs.

Ans
✗ A. Neither conclusion (I) nor (II) follows
✓ B. Only conclusion (I) follows
✗ C. Both conclusions (I) and (II) follow
✗ D. Only conclusion (II) follows

Q.67 **Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.**
HFB−ZXT
KIE−CAW

Ans
✓ A. PNJ−HFB
✗ B. SQM−JID
✗ C. SPK−KIE
✗ D. SPK−JHD

Q.68 **PKCS is related to SLFT in a certain way based on the English alphabetical order. In the same way, HTQW is related to KUTX. To which of the given options is JMUY related, following the same logic?**

Ans
✗ A. KNXZ
✓ B. MNXZ
✗ C. KOVZ
✗ D. MPVZ

Q.69 **Six people K, L, M, N, O, and P are sitting around a circular table facing the centre. L sits second to the right of M. O sits second to the right of K. K sits to the immediate left of M. Only one person sits between K and N. Who sits to the immediate left of P?**

Ans
✗ A. K
✓ B. M
✗ C. L
✗ D. N

Q.70 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

HFV 11, LBZ 20, PXD 29, TTH 38, ?

Ans
✗ A. XDX 45
✗ B. XXD 45
✗ C. YLP 47
✓ D. XPL 47

Section : **General Awareness**

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Q.71 **Who was the Viceroy of India in 1905?**

Ans

✔ A. George Curzon

✘ B. Robert Clive

✘ C. Louis Mountbatten

✘ D. Warren Hastings

Q.72 **The Council of Ministers can be dissolved by the:**

Ans

✘ A. President of India

✔ B. Governor on advice of the Chief Minister

✘ C. State Legislature

✘ D. Supreme Court of India

Q.73 **When was the Indian National Satellite System (INSAT), a multipurpose satellite system for telecommunications, established?**

Ans

✘ A. 1994

✘ B. 1988

✔ C. 1983

✘ D. 1976

Q.74 **According to the 2023/24 Human Development Report (HDR), India ranked at _____ out of 193 countries and territories on the Human Development Index (HDI).**

Ans

✘ A. 126

✔ B. 134

✘ C. 141

✘ D. 114

Q.75 **Due to whose efforts was a ban on Sati put by the Governor-General of India, Lord William Bentinck, by enacting the Bengal Sati Regulation Act, 1829?**

Ans

✔ A. Raja Ram Mohan Roy

✘ B. Swami Dayanand Saraswati

✘ C. Swami Vivekananda

✘ D. Jyotirao Govindrao Phule

Q.76 **When did Dr. Mansukh Mandaviya inaugurate Phase-2 of the Khelo India Rising Talent Identification (KIRTI) programme?**

Ans

✘ A. 19 August 2024

✔ B. 19 July 2024

✘ C. 12 March 2024

✘ D. 19 June 2024

Q.77 **Cactus, khair, babool and keekar, found in Rajasthan, Punjab, Haryana, the eastern slopes of the Western Ghats, and Gujarat, are characteristic of which forest type?**

Ans

✘ A. Mangrove forests

✔ B. Thorny bushes

✘ C. Tropical deciduous forests

✘ D. Tropical rainforests

Q.78 **What is the unit of transmittance?**

Ans

✔ A. It is unitless.

✘ B. 2. sec^{-1}

✘ C. 3. $cm\ sec^{-1}$

✘ D. 4. cm^{-1}

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Q.79 **The Punjab Plains are primarily drained by which river system?**

Ans

✗ A. Ganga

✗ B. Brahmaputra

✓ C. Indus

✗ D. Yamuna

Q.80 **The Chicken's Neck Corridor, often seen in the news, is strategically important for India and also known as ____.**

Ans

✗ A. Shillong Corridor

✗ B. Dispur Corridor

✗ C. Darjiling Corridor

✓ D. Siliguri Corridor

Q.81 **How did the weighted average lending rate (WALR) on outstanding rupee loans of SCBs change from August to September 2024, in India?**

Ans

✗ A. Remained unchanged at 9.91%

✓ B. Decreased from 9.91% to 9.90%

✗ C. Increased from 9.90% to 9.92%

✗ D. Increased from 9.89% to 9.91%

Q.82 **The Gajraj System of Indian Railways, launched in December 2023, aims to use an ____.**

Ans

✗ A. AI-based system to train elephants

✗ B. AI-based system to diagnose elephant illness

✗ C. AI-based system to treat respiratory diseases in elephants

✓ D. AI-based surveillance system to prevent elephant deaths in railway tracks

Q.83 **General Service Enlistment Act was passed in _____.**

Ans

✗ A. 1852 AD

✓ B. 1856 AD

✗ C. 1860 AD

✗ D. 1865 AD

Q.84 **What is the main aspect of Gandhiji's ideology?**

Ans

✗ A. Political affiliation

✓ B. Truth-force

✗ C. Criticism

✗ D. Fascism

Q.85 **The number of significant figures in 1.73 seconds is ____.**

Ans

✗ A. one

✓ B. three

✗ C. two

✗ D. four

Q.86 **What decision did the Monetary Policy Committee (MPC) make regarding the policy repo rate in October 2024?**

Ans

✗ A. Increased to 6.75%

✗ B. Decreased to 6.25%

✓ C. Kept unchanged at 6.50%

✗ D. Changed to 6.00%

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Q.87 **Who was the leader of Rewari during the Revolt of 1857?**

Ans

✗ A. Ujjwal Shahi

✗ B. Maulvi Ahmadullah

✗ C. Jaidayal Singh

✓ D. Rao Tula Ram

Q.88 **Through which of the following Acts were Indians, for the first time, associated with the executive Councils of the Viceroy and Governors?**

Ans

✗ A. Government of India Act, 1929

✗ B. Government of India Act, 1919

✗ C. Government of India Act, 1935

✓ D. Government of India Act, 1909

Q.89 **The HDI is a summary composite measure of a country's average achievements in basic aspects of human development, which are _____.**
1. Health
2. Knowledge
3. Daily Income

Ans

✗ A. 2 and 3 only

✗ B. 1, 2 and 3

✗ C. 1 only

✓ D. 1 and 2 only

Q.90 **As of October 2024, what is India's renewable energy capacity?**

Ans

✗ A. 150 GW

✓ B. 201.45 GW

✗ C. 200 GW

✗ D. 175 GW

Q.91 **In which of the following states did Prime Minister Narendra Modi launched the Dharti Aaba Janjatiya Gram Utkarsh Abhiyan (DAJGUA) on 2 October 2024?**

Ans

✗ A. Bihar

✓ B. Jharkhand

✗ C. Assam

✗ D. Odisha

Q.92 **In which state is the Tarapur Nuclear Power Reactor located?**

Ans

✗ A. Andhra Pradesh

✗ B. Uttar Pradesh

✗ C. West Bengal

✓ D. Maharashtra

Q.93 **Who built the rock temple of Kailasa at Ellora?**

Ans

✗ A. Vijayalaya

✗ B. Aditya I

✗ C. Parantaka I

✓ D. Krishna I

Q.94 **What was one of the main goals of the Industrial Policy after 1991?**

Ans

✗ A. To close all private companies

✗ B. To restrict foreign investment

✓ C. To promote small-scale industries

✗ D. To nationalise all banks

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Q.95 **Which of the following ports is NOT located in the western coastal plains of India?**

Ans

✔ A. Ennore port

✗ B. Cochin port

✗ C. Mangalore port

✗ D. Kandla port

Q.96 **Where was the September 2024 conference for Directors on the Boards of Small Finance Banks (SFBs) organised by the Reserve Bank of India held?**

Ans

✗ A. Kolkata

✗ B. Delhi

✔ C. Bengaluru

✗ D. Mumbai

Q.97 **Who was the last emperor of the Pallava dynasty?**

Ans

✗ A. Narasimhavarman I

✗ B. Simhavishnu

✔ C. Aparajitavarman

✗ D. Mahendravarman I

Q.98 **Which of the following Acts established the High Courts at Calcutta, Madras, and Bombay?**

Ans

✗ A. Charter Act of 1833

✗ B. Government of India Act, 1858

✗ C. Indian Councils Act, 1909

✔ D. Indian High Courts Act, 1861

Q.99 **Who among the following is considered the head of the Union Cabinet?**

Ans

✗ A. Speaker of Lok Sabha

✗ B. President

✗ C. Vice President

✔ D. Prime Minister

Q.100 **In the year Vikram 1631 (1575 CE), Goswami Tulsidas started composing the Ramcharitmanas at which place on Ram Navami?**

Ans

✗ A. Chitrakoot

✗ B. Varanasi

✔ C. Ayodhya

✗ D. Allahabad

Q.101 **Which of the following is FALSE regarding refraction of light?**

Ans

✗ A. The ratio of sine of incidence angle (i) to the sine of refracted angle (r) is a constant for that pair of media.

✗ B. When light travels from air (vacuum with velocity c) to a medium with velocity v, then refractive index of the medium can be written as $\mu = c/v$.

✗ C. The incident ray, the refracted ray and the normal to the interface all lie in the same plane.

✔ D. When light travels from a denser medium to rarer medium, it bends towards the normal.

Q.102 **Which of the following organisations has constructed roads in high altitude mountainous terrain joining Chandigarh with Manali (Himachal Pradesh) and Leh (Ladakh)?**

Ans

✗ A. National Highways Authority of India (NHAI)

✔ B. Border Roads Organisation (BRO)

✗ C. National Highways and Infrastructure Development Corporation Limited (NHIDCL)

✗ D. Central Industrial Security Force (CISF)

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Q.103 **In ancient India, saltpetre was used for fireworks; it is actually:**

Ans

✗ A. Sodium Nitrate

✗ B. Lithium Nitrate

✗ C. Calcium Nitrate

✓ D. Potassium Nitrate

Q.104 **The 19th Century Hindu saint of India, Ramakrishna Paramahamsa, who was renowned for simplifying complex spiritual teachings, was born in which district of West Bengal?**

Ans

✗ A. Birbhum

✗ B. Alipurduar

✗ C. Howrah

✓ D. Hooghly

Q.105 **What was the political cause of the Revolt of 1857?**

Ans

✓ A. Doctrine of Lapse

✗ B. Sepoy mutiny

✗ C. Spreading Western civilisation

✗ D. New education policy for army

Q.106 **Gautam Buddha taught in which common language of the ordinary people, so that everybody could understand his messages?**

Ans

✗ A. Awadhi

✗ B. Sanskrit

✗ C. Sindhi

✓ D. Prakrit

Q.107 **When were economic reforms introduced in India focusing on liberalisation, privatisation and globalisation?**

Ans

✗ A. 2010

✓ B. 1991

✗ C. 1975

✗ D. 2000

Q.108 **The Season of Retreating Monsoon occurs during which of the following months in India?**

Ans

✗ A. December - February

✗ B. March - May

✗ C. June - September

✓ D. October - November

Q.109 **A transverse wave consists of _____ that make one cycle.**

Ans

✓ A. one crest and one trough

✗ B. one crest and two troughs

✗ C. two crests and two troughs

✗ D. two crests and one trough

Q.110 **Which type of seeds became popular during the Green Revolution in India?**

Ans

✓ A. High-yielding varieties (HYVs)

✗ B. Traditional seeds

✗ C. Indigenous seeds

✗ D. Organic seeds

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Q.111 **Which of the following films was NOT part of the feature film line-up at the 55th International Film Festival of India (IFFI) under the Indian Panorama section?**

Ans

✗ A. 'Kalki 2898 AD' (Telugu)

✓ B. 'Bharat Mata Ki Jai' (Hindi)

✗ C. 'Raavsaaheb' (Marathi)

✗ D. 'Aadujeevitham' (Malayalam)

Q.112 **According to the 2024 Global Hunger Index (GHI), India's GHI score is 27.3, which is considered 'serious'. What was India's rank in the 2024 GHI report?**

Ans

✗ A. 1. 107th

✗ B. 2. 99th

✓ C. 3. 105th

✗ D. 4. 111th

Q.113 **Which leading dairy brand from India was set to enter the European market with a launch in Spain by the end of November 2024?**

Ans

✓ A. Amul

✗ B. Mother Dairy

✗ C. Parag

✗ D. Ananda

Q.114 **The printed records of the Constituent Assembly discussions were compiled into how many volumes?**

Ans

✗ A. 11 volumes

✗ B. 10 volumes

✗ C. 9 volumes

✓ D. 12 volumes

Q.115 **In which of the following countries did the third edition of the INDUS-X Summit conclude in September 2024?**

Ans

✗ A. Australia

✓ B. The US

✗ C. Brazil

✗ D. Germany

Q.116 **What role does infrastructure play in agricultural development?**

Ans

✓ A. Ensures better irrigation, storage and transportation facilities

✗ B. Decreases productivity

✗ C. Reduces employment in rural areas

✗ D. Limits export opportunities

Q.117 **Where was India's first demonstration facility for biopolymers inaugurated on 13 October 2024?**

Ans

✗ A. Bangalore

✗ B. Tripura

✓ C. Pune

✗ D. Lucknow

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Q.118 **What was the significant event that took place during the seventy-ninth session of the UN General Assembly in 2024?**

Ans

✔ A. Summit of the Future

✗ B. World Health Assembly

✗ C. Climate Action Conference

✗ D. International Trade Fair

Q.119 **The Regulating Act of 1773 was enacted to regulate which organization's activities in India?**

Ans

✗ A. British Parliament

✗ B. Mughal Empire

✔ C. East India Company

✗ D. British Crown

Q.120 **Which fundamental right has provided Prevention against Arbitrary Arrest and Detention to Indian citizens?**

Ans

✗ A. Right to Equality

✗ B. Right Against Exploitation

✗ C. Right to Constitutional Remedies

✔ D. Right to Freedom

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	04/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **After 60 litres of petrol was poured into an empty storage tank, it was still 10% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?**

Ans
- ✗ A. 65.67
- ✗ B. 67.67
- ✗ C. 61
- ✓ D. 66.67

Q.2 **Two numbers are in the ratio 7 : 8. If the HCF is 4, find the greater number.**

Ans
- ✗ A. 56
- ✓ B. 32
- ✗ C. 8
- ✗ D. 28

Q.3 **An amount of ₹682 is divided among three persons in the ratio of 18 : 3 : 9. The difference between the largest and the smallest shares (in ₹) in the distribution is:**

Ans
- ✗ A. 345
- ✗ B. 421
- ✓ C. 341
- ✗ D. 406

Q.4 **Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Ajay borrowed an amount of ₹340000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Ajay after 3 years.**

Ans
- ✗ A. 26500
- ✗ B. 25000
- ✓ C. 25500
- ✗ D. 27000

Q.5 **The ratio of milk and water in a 30 litre mixture is 3 : 2. Find the quantity of water to be added to the mixture in order to make this ratio 1:1.**

Ans
- ✗ A. 7
- ✗ B. 2
- ✗ C. 9
- ✓ D. 6

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Q.6 If the perimeter of the square is 64 cm, find the length of the side of the square.

Ans

✔ A. 16 cm

✘ B. 12 cm

✘ C. 14 cm

✘ D. 18 cm

Q.7 Three partners invested in a business in the ratio 1:9:8. They invested their capitals for 11 months, 6 months and 2 months, respectively. What was the ratio of their profits?

Ans

✔ A. 11:54:16

✘ B. 9:54:16

✘ C. 8:54:16

✘ D. 12:54:16

Q.8 If the selling price of 10 raincoats is equal to the cost price of 12 raincoats, find the gain percentage.

Ans

✘ A. 16%

✘ B. 12%

✘ C. 15%

✔ D. 20%

Q.9 If the radius of the base of a right circular cylinder is decreased by 24% and its height is increased by 262%, then what is the percentage increase (closest integer) in its volume?

Ans

✘ A. 83%

✘ B. 137%

✘ C. 91%

✔ D. 109%

Q.10 Jitesh and Kamal can complete a certain piece of work in 7 and 11 days, respectively, They started to work together, and after 3 days, Kamal left. In how many days will Jitesh complete the remaining work?

Ans

✘ A. $\frac{162}{77}$

✔ B. $\frac{161}{77}$

✘ C. $\frac{161}{79}$

✘ D. $\frac{164}{78}$

Q.11 A 815 m long train crosses a man walking at a speed of 2.7 km/h in the opposite direction in 18 seconds. What is the speed (in km/h) of the train?

Ans

✘ A. 157.5

✘ B. 155.2

✘ C. 162.2

✔ D. 160.3

Q.12 The average of first 121 odd natural numbers, is:

Ans

✘ A. 120.5

✔ B. 121

✘ C. 122

✘ D. 121.5

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Q.13 Anil can do a piece of work in 4 hours. Ashok can do it in 8 hours. With the assistance of Robin, they completed the work in 2 hours. In how many hours can Robin alone do it?

Ans
- ✔ A. 8
- ✘ B. 10
- ✘ C. 7
- ✘ D. 9

Q.14 Evaluate: 2 × {17 - 2 × (11 -4)}

Ans
- ✔ A. 6
- ✘ B. 3
- ✘ C. 5
- ✘ D. 10

Q.15 Evaluate: 2 × {17 - 2 × (8 -6)}

Ans
- ✘ A. 25
- ✘ B. 23
- ✔ C. 26
- ✘ D. 30

Q.16 In a race, an athlete covers a distance of 438 m in 146 sec in the first lap. He covers the second lap of the same length in 73 sec. What is the average speed (in m/sec) of the athlete?

Ans
- ✘ A. 11
- ✘ B. 10
- ✘ C. 6
- ✔ D. 4

Q.17 At what rate percentage per annum (correct to one place of decimal) will ₹17,280 amount to ₹23,520 in 2 years, if the interest is compounded annually?

Ans
- ✘ A. 16.4%
- ✘ B. 15.4%
- ✘ C. 15.9%
- ✔ D. 16.7%

Q.18 Mohan bought 52 books for Rs 1130 from one shop and 44 books for Rs 920 from another. What is the average price (in Rs) he paid per book ?

Ans
- ✔ A. 1033.75
- ✘ B. 1048.75
- ✘ C. 1043.75
- ✘ D. 1023.75

Q.19 The height of a conical vessel is 7 cm. If its capacity is 6.6 litres of milk. Find the diameter of its base.

Ans
- ✘ A. 21 cm
- ✘ B. 15 cm
- ✘ C. 25 cm
- ✔ D. 30 cm

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Q.20 **Train A leaves station M at 7:35 AM and reaches station N at 2:35 PM on the same day. Train B leaves station N at 9:35 AM and reaches station M at 2:35 PM on the same day. Find the time when Trains A and B meet.**

Ans

✔ A. 11:40 AM

✘ B. 7:57 PM

✘ C. 7:34 AM

✘ D. 11:18 AM

Q.21 **The sum of 10 numbers is 252. Find their average.**

Ans

✘ A. 23.2

✘ B. 24.2

✔ C. 25.2

✘ D. 26.2

Q.22 **For what value of 'K' is the number 6745K2 divisible by 9?**

Ans

✔ A. 3

✘ B. 4

✘ C. 1

✘ D. 2

Q.23 **Evaluate:**

$$\sqrt{\left(20+\sqrt{\left((22+\sqrt{\left(2+\sqrt{\left(40+\sqrt{(81)}\right)}\right)}\right)}\right)}$$

Ans

✘ A. 7

✘ B. 9

✔ C. 5

✘ D. 6

Q.24 **A shopkeeper has announced 14% rebate on the marked price of an article. If the selling price of the article is ₹688, then the marked price of the article will be:**

Ans

✘ A. ₹500

✘ B. ₹600

✔ C. ₹800

✘ D. ₹700

Q.25 **A bus travelling at 42 km/h completes a journey in 20 hours. At what speed will it have to cover the same distance in 12 hours?**

Ans

✘ A. 73 km/h

✘ B. 68 km/h

✘ C. 80 km/h

✔ D. 70 km/h

Q.26 Solve: $\left(\frac{1}{10}\div\frac{16}{100}\right)$ of $\frac{3.2}{0.4}+120\div 4$ of 3×10

Ans

✘ A. 110

✘ B. 100

✔ C. 105

✘ D. 90

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Q.27 **Find the value of 8.15 × 0.35 − 2.36 × 0.8 + 1.07 − 0.5 × 0.8 − 2.56.**

Ans

✗ A. −0.4356

✓ B. −0.9255

✗ C. −0.2235

✗ D. −0.6354

Q.28 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 122. Find the average of the remaining two numbers?**

Ans

✗ A. 198

✗ B. 197

✗ C. 192.5

✓ D. 191.5

Q.29 **If A can complete a job in 15 days and B can complete the same job in 20 days, then how many days (rounded up to the nearest two decimal places) will it take for both A and B to complete the job together?**

Ans

✗ A. 9.01 days

✓ B. 8.57 days

✗ C. 6.99 days

✗ D. 7.25 days

Q.30 **2% of 9% of a number is what percentage of that number?**

Ans

✗ A. 18

✗ B. 0.018

✓ C. 0.18

✗ D. 11

Q.31 **Find the difference between the simple interest and compound interest, compounded annually, on an amount of ₹35,000 at 12% for 3 years.**

Ans

✗ A. ₹1,527.48

✓ B. ₹1,572.48

✗ C. ₹1,725.84

✗ D. ₹1,752.84

Q.32 **What is the greatest four digit number which when divided by 6, 20, 33 and 66, leaves 2, 16, 29 and 62 as remainders, respectively?**

Ans

✗ A. 9904

✓ B. 9896

✗ C. 9236

✗ D. 9698

Q.33 **Anwesha sells two handbags, one at a profit of 18% and the other at a loss of 18%. If the selling price of each handbag is ₹450, then what is the overall percentage of profit or loss?**

Ans

✓ A. 3.24% loss

✗ B. 3.24% profit

✗ C. 2.34% loss

✗ D. 2.34% profit

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Q.34 **A number is first increased by 12%, and the increased number is decreased by 8%. Find the net increase or decrease percentage.**

Ans

✔ A. 3.04% increase

✗ B. 2.08% increase

✗ C. 2.08% decrease

✗ D. 3.04% decrease

Q.35 **A retailer sold a laptop at ₹27,000 by giving two continuous rebates of 20% and 10%. What is the marked price?**

Ans

✔ A. ₹37,500

✗ B. ₹36,500

✗ C. ₹37,000

✗ D. ₹36,000

Section : **General Intelligence and Reasoning**

Q.36 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. LQN

✗ B. SXU

✗ C. PUR

✔ D. UZV

Q.37 **In a certain code language,**
A = B means ' A is the wife of B'
A : B means 'A is the son of B'
A * B means 'A is the brother of B'
A ? B means 'A is the father of B'
Based on the above, how is S related to T if 'S = M : A ? R * T'?

Ans

✗ A. Brother's mother

✗ B. Brother's sister

✗ C. Brother's son

✔ D. Brother's wife

Q.38 **This question is based on the five, three-digit numbers given below.**

(Left) 543 984 836 478 627 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans

✔ A. 11

✗ B. 9

✗ C. 8

✗ D. 10

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Q.39 **A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only two people sit between C and K when counted from the right of C. Only three people sit between L and J when counted from the right of J. K sits to the immediate right of J. A sits to the immediate right of D. Who sits fourth to the right of B?**

Ans

✗ A. D

✗ B. L

✓ C. A

✗ D. K

Q.40 **Kevin starts from Point A and drives 2 km towards the east. He then takes a right turn, drives 4 km, turns right and drives 5 km. He then takes a right turn and drives 6 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✗ A. 4 km to the north

✗ B. 3 km to the north

✗ C. 1 km to the south

✓ D. 2 km to the south

Q.41 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

IFD LIE OLF ROG ?

Ans

✗ A. URI

✗ B. VRH

✓ C. URH

✗ D. VRI

Q.42 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All boats are scooters.
Some boats are cycles.

Conclusions:
(I) Some scooters are cycles.
(II) Some cycles are boats.

Ans

✗ A. Only conclusion (II) follows.

✗ B. Neither conclusion (I) nor (II) follows.

✓ C. Both conclusions (I) and (II) follow.

✗ D. Only conclusion (I) follows.

Q.43 **Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.**
SOL–IEB
EAX–UQN

Ans

✓ A. CYV–SOL

✗ B. VQM–LHE

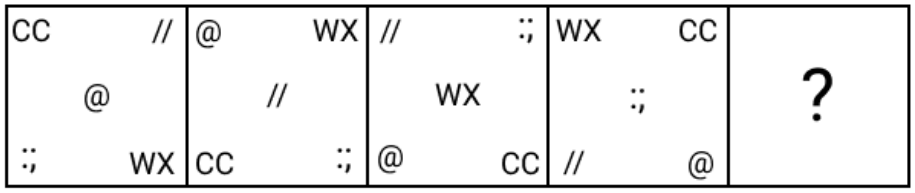
✗ C. VQM–KGD

✗ D. VRO–KHD

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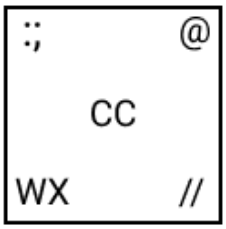
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Q.44



Ans

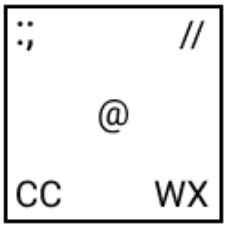
✔ A.



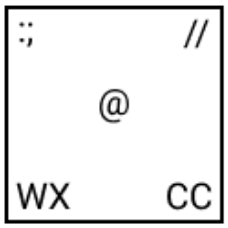
✘ B.



✘ C.



✘ D.



Q.45 **In a certain code language, 'DUST' is coded as '3576', 'LUDO' is coded as '2785' and 'SALT' is coded as '6438'. What is the code for 'A' in the given code language?**

Ans

✘ A. 6

✘ B. 3

✘ C. 8

✔ D. 4

Q.46 **Seven people, L, M, N, O, P, Q, and R are sitting in a row, facing north. No one sits to the right of Q. Only three people sit between Q and O. Only two people sit between O and N. P sits third to the left of L. R sits to the immediate right of L. How many people sit between M and N?**

Ans

✔ A. Three

✘ B. One

✘ C. Two

✘ D. Four

Q.47 **What will come in the place of the question mark (?) in the following equation if '×' and '÷' are interchanged and '9' and '3' are interchanged?**

2 – 6 ÷ 9 × 3 + 5 =?

Ans

✘ A. 5

✘ B. – 9

✘ C. 13/3

✔ D. – 11

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Q.48 **Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.**

Statements:
All fans are doors.
All doors are bags.
No fan is a light.

Conclusions:
I: No door is a light.
II: No bag is a light.

Ans

✗ A. Both conclusions I and II follow.

✗ B. Only conclusion II follows.

✗ C. Only conclusion I follows.

✓ D. Neither conclusion I nor II follows.

Q.49 **Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.**
(Left) @ 8 $ 7 3 6 & Ω 9 % + 5 4 2 # 1 * £ (Right)
How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by another symbol?

Ans

✗ A. 1

✗ B. 2

✗ C. 3

✓ D. 0

Q.50 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

SBL 13, VWO 17, YRR 21, BMU 25, ?

Ans

✗ A. YYI 31

✗ B. YIY 29

✗ C. EXH 31

✓ D. EHX 29

Q.51 **In a certain code language, 'LOAD' is coded as '7624', 'DONE' is coded as '9436' and 'MALE' is coded as '2573'. What is the code for 'M' in the given code language?**

Ans

✗ A. 7

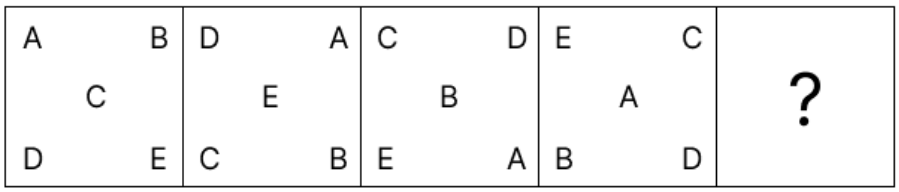
✗ B. 2

✓ C. 5

✗ D. 3

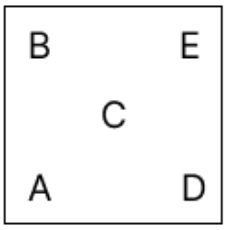
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Q.52

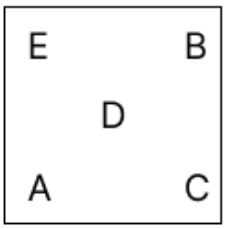


Ans

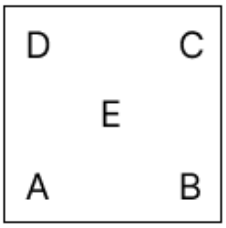
✗ A.



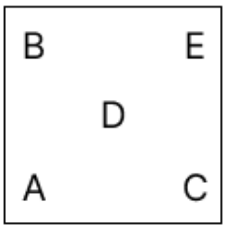
✗ B.



✗ C.



✓ D.



Q.53 **Select the number from among the given options that can replace the question mark (?) in the following series.**

6 20 48 104 216 ?

Ans

✓ A. 440

✗ B. 444

✗ C. 442

✗ D. 441

Q.54 **In a certain code language,**
'A = B' means 'A is the sister of B',
'A $ B' means 'A is the brother of B',
'A @ B' means 'A is the wife of B' and
'A * B' means 'A is the father of B'.

How is M related to K if 'M = W * R $ T @ K'?

Ans

✗ A. Wife's sister

✗ B. Wife's mother

✓ C. Wife's father's sister

✗ D. Wife's father's mother

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Q.55 What should come in place of the question mark (?) in the given series?

24, 33, 51, 78, 114, ?

Ans

✗ A. 161

✗ B. 157

✗ C. 155

✓ D. 159

Q.56 Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. No one sits to the left of C. Only four people sit between C and D. Only three people sit to the right of E. G sits to the immediate left of B. F is not an immediate neighbour of E. How many people sit to the right of A?

Ans

✓ A. 2

✗ B. 4

✗ C. 3

✗ D. 1

Q.57 What will come in the place of '?' in the following equation, if '×' and '−' are interchanged and '+' and '÷' are interchanged?
56 − 20 + 5 × 41 ÷ 25 = ?

Ans

✗ A. 188

✗ B. 263

✗ C. 226

✓ D. 208

Q.58 In a certain code language, 'SMART' is coded as '63947' and 'CLASS' is coded as '66189'. What is the code for 'A' in the given code language?

Ans

✗ A. 3

✓ B. 9

✗ C. 8

✗ D. 6

Q.59 TO 5 is related to YT 25 in a certain way. In the same way, IT 7 is related to NY 49. To which of the following is ON 9 related, following the same logic?

Ans

✗ A. JI 81

✓ B. TS 81

✗ C. JI 27

✗ D. TS 27

Q.60 Mukesh starts from Point A and drives 5 km towards West. He then takes a left turn, drives 6 km, turns left and drives 11 km. He then takes a left turn and drives 12 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

Ans

✗ A. 5 km to the south

✓ B. 6 km to the south

✗ C. 5 km to the north

✗ D. 6 km to the north

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Q.61 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. DE - GH
- ✓ B. VW - XY
- ✗ C. LM - OP
- ✗ D. IJ - LM

Q.62 **A, F, J, K, P and Q live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only three people live between Q and F, where Q lives below F. P lives on an odd numbered floor and immediately above Q. J lives on one of the floors below A and on one of the floors above K. How many people live above J?**

Ans
- ✓ A. Two
- ✗ B. One
- ✗ C. Four
- ✗ D. Three

Q.63 **ZEBO is related to XGCN in a certain way based on the English alphabetical order. In the same way, RMFK is related to POGJ. To which of the following is LSIH related, following the same logic?**

Ans
- ✓ A. JUJG
- ✗ B. KUJO
- ✗ C. JJGH
- ✗ D. JUNG

Q.64 **What should come in place of '?' in the given series?**

343, 1296, 3125, 4096, 2187, ?

Ans
- ✗ A. 128
- ✗ B. 1024
- ✗ C. 512
- ✓ D. 256

Q.65 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 5, 11)
(8, 6, 10)

Ans
- ✗ A. (8, 5, 11)
- ✓ B. (10, 7, 11)
- ✗ C. (8, 7, 6)
- ✗ D. (9, 5, 7)

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Q.66 **Refer to the given number series and answer the question that follows. Counting to be done from left to right only.**
(Left) 4 3 5 6 2 1 5 5 7 1 5 2 3 6 9 7 4 7 9 5 8 5 3 7 4 2 1 (Right)
How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

Ans
✗ A. 3
✗ B. 4
✓ C. 1
✗ D. 2

Q.67 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some goats are horses.
All horses are cows.
All cows are elephants.

Conclusions:
(I) All elephants are goats.
(II) Some cows are goats.

Ans
✗ A. Neither conclusion (I) nor (II) follows.
✗ B. Both conclusions (I) and (II) follow.
✓ C. Only conclusion (II) follows.
✗ D. Only conclusion (I) follows.

Q.68 **G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. Only three people live between P and J, whereas P lives below J. K lives on an odd-numbered floor and immediately above P. G lives on one of the floors below L and on one of the floors above H. Who lives on floor numbered 5?**

Ans
✓ A. L
✗ B. G
✗ C. P
✗ D. K

Q.69 **Which of the following letter number-clusters will replace the question mark (?) in the given series to make it logically complete?**

LR35 NT42 PV49 RX56 ?

Ans
✓ A. TZ63
✗ B. TZ64
✗ C. TY63
✗ D. TY64

Q.70 **What will come in the place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '×' and '−' are interchanged?**

24 + 6 ÷ 3 – 9 × 2 = ?

Ans
✗ A. 51
✗ B. 61
✓ C. 29
✗ D. 2

Section : **General Awareness**

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Q.71 **Who among the following was the British official who suppressed the revolt at Kanpur?**

Ans

✗ A. General Hugh Rose

✗ B. John Nicholson

✓ C. Sir Colin Campbell

✗ D. Henry Lawrence

Q.72 **_____ is used by doctors to set fractured bones.**

Ans

✗ A. 1. $CuSO_4 \cdot 5H_2O$

✓ B. 2. $CaSO_4 \cdot 1/2H_2O$

✗ C. 3. $ZnSO_4 \cdot 10H_2O$

✗ D. 4. $ZnSO_4 \cdot 7H_2O$

Q.73 **What is the name of SBI's newly launched digital loan solution for MSMEs in 2024?**

Ans

✗ A. MSME Boost

✗ B. MSME Easy

✓ C. MSME Sahaj

✗ D. MSME Assist

Q.74 **Which is the highest peak of the Aravalli Range?**

Ans

✗ A. Doddabetta

✓ B. Guru Shikhar

✗ C. Mount Abu

✗ D. Anamudi

Q.75 **Which sector of the economy was impacted by reforms like the reduction of subsidies after 1991?**

Ans

✗ A. IT sector

✗ B. Industrial sector

✓ C. Agriculture

✗ D. Tourism

Q.76 **Dr. Jitendra Singh announced the soft launch of India's first indigenous antibiotic, Nafithromycin, in November 2024. This antibiotic offers how many times more efficacy compared to azithromycin, with just three doses?**

Ans

✗ A. 3x

✓ B. 10x

✗ C. 7x

✗ D. 5x

Q.77 **The Vindhyan range separates which two major physiographic regions?**

Ans

✗ A. The Eastern and Western Ghats

✗ B. The Coastal Plains and the Peninsular Plateau

✗ C. The Himalayas and the Peninsular Plateau

✓ D. The Northern Plains and the Deccan Plateau

Q.78 **Which sector forms the backbone of rural development in India?**

Ans

✗ A. IT sector

✗ B. Manufacturing

✗ C. Tourism

✓ D. Agriculture

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Q.79 **If a magnetic field is applied perpendicular to the velocity of a charge moving in a straight line, the trajectory of the charge will be:**

Ans

✗ A. elliptical

✗ B. linear

✓ C. circular

✗ D. spiral

Q.80 **Which Indian state leads in terms of the highest number of National Stock Exchange (NSE) client accounts, as on October 2024?**

Ans

✗ A. Uttar Pradesh

✗ B. Rajasthan

✓ C. Maharashtra

✗ D. Gujarat

Q.81 **At which place did Aruna Asaf Ali fearlessly hoist the flag of Indian independence on 9th August 1942?**

Ans

✓ A. Gowalia Tank Maidan, Bombay

✗ B. Residency Complex, Lucknow

✗ C. Red Fort, Delhi

✗ D. Cellular Jail, Andaman and Nicobar Islands

Q.82 **The Law of Constant Proportions states that:**

Ans

✗ A. the pressure of a gas is directly proportional to its temperature at constant volume

✗ B. energy cannot be created or destroyed, only transformed

✓ C. a given chemical compound always contains its component elements in a fixed ratio by mass

✗ D. the total mass of reactants equals the total mass of products in a chemical reaction

Q.83 **Which of the following Acts made the Governor-General of India the Viceroy of India?**

Ans

✓ A. Government of India Act, 1858

✗ B. Government of India Act, 1935

✗ C. Indian Councils Act, 1909

✗ D. Government of India Act, 1919

Q.84 **In the Ramcharitmanas, an epic poem written by Tulsidas, which Kaand (episode) comes after the Sundar Kaand?**

Ans

✗ A. Kishkindha Kaand

✓ B. Lanka Kaand

✗ C. Ayodhya Kaand

✗ D. Aranya Kaand

Q.85 **On which date was the U.S.-VentureWell Global Innovation through Science and Technology (GIST) Memorandum of Understanding (MoU) signed?**

Ans

✓ A. 20 December 2024

✗ B. 25 December 2024

✗ C. 10 December 2024

✗ D. 15 December 2024

Q.86 **Which of the following is a constitutional body in India?**

Ans

✓ A. Election Commission of India

✗ B. Central Information Commission

✗ C. National Human Rights Commission

✗ D. NITI Aayog

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Q.87 **Which sector primarily involves the extraction of natural resources in India?**

Ans

✗ A. Secondary sector

✓ B. Primary sector

✗ C. Tertiary sector

✗ D. Quaternary sector

Q.88 **The sum of all potential changes in a closed circuit is zero. This is called _____.**

Ans

✗ A. Kirchhoff's fourth rule

✓ B. Kirchhoff's second rule

✗ C. Kirchhoff's first rule

✗ D. Kirchhoff's third rule

Q.89 **Which of the following policies was introduced as a part of economic reforms in 1991?**

Ans

✗ A. License Raj

✗ B. High Tariff System

✗ C. Import Restrictions

✓ D. Privatisation

Q.90 **When was the Memorandum of Understanding (MoU) between Armed Forces Medical Services (AFMS) and IIT Delhi signed to develop novel medical devices and focus on solving health issues specific to serving soldiers in varied terrains?**

Ans

✗ A. January 2023

✗ B. July 2024

✓ C. April 2024

✗ D. March 2023

Q.91 **At the 70th National Film Awards, October 2024, the Best Actress award in a Leading Role was shared by which of the following actresses?**

Ans

✗ A. Nithya Menen and Sai Pallavi

✗ B. Deepika Padukone and Nithya Menen

✓ C. Nithya Menen and Manasi Parekh

✗ D. Alia Bhatt and Manasi Parekh

Q.92 **In 2024, an annual defense exercise was conducted in Idaho, US, aiming to enhance collaboration and share best practices between Indian and US Special Forces. Which of the following exercises fulfills this objective?**

Ans

✗ A. Exercise Yudh Abhyas

✓ B. Exercise Vajra Prahar

✗ C. Exercise Cope India

✗ D. Exercise Malabar

Q.93 **Under which Schedule of the Indian Constitution are the provisions for the administration and control of Scheduled Areas and Scheduled Tribes provided?**

Ans

✓ A. Fifth Schedule

✗ B. Seventh Schedule

✗ C. Fourth Schedule

✗ D. Eighth Schedule

Q.94 **Who was elected the first President of the country after independence on 26 January 1950?**

Ans

✓ A. Rajendra Prasad

✗ B. Jawaharlal Nehru

✗ C. B R Ambedkar

✗ D. Alladi Krishnaswamy Iyer

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Q.95 **Rigveda, the oldest of the sacred books of Hinduism, is written in which language?**

Ans

✗ A. Vedic Pali

✓ B. Vedic Sanskrit

✗ C. Devanagari

✗ D. Hindi

Q.96 **Which of the following industries is NOT a part of the eight core industries in India?**

Ans

✓ A. Textile

✗ B. Cement

✗ C. Fertilisers

✗ D. Coal

Q.97 **'Uniform Civil Code' is mentioned in which of the following?**

Ans

✗ A. Fundamental Rights

✗ B. Preamble

✗ C. Fundamental Duties

✓ D. Directive Principles of State Policy

Q.98 **Which policy was introduced to support private industries as part of the industrial reforms in 1991?**

Ans

✓ A. Abolition of industrial licensing for most sectors

✗ B. Creation of exclusive public sector enterprises

✗ C. Ban on foreign companies in India

✗ D. Limitation on industrial growth in urban areas

Q.99 **Oxalic acid is naturally present in which of the following kitchen ingredients?**

Ans

✗ A. Lemon

✗ B. Vinegar

✓ C. Spinach

✗ D. Milk

Q.100 **The Gangasagar Mela of West Bengal, which is celebrated at the place where Ganga falls into the Bay of Bengal, is celebrated on:**

Ans

✗ A. Holi

✗ B. Kali Puja

✗ C. Durga Puja

✓ D. Makar Sankranti

Q.101 **Where was the phase 2 of the Khelo India Winter Games 2024 organised from 21 to 25 February 2024?**

Ans

✗ A. Khajjiar, Himachal Pradesh

✗ B. Leh, Ladakh

✗ C. Auli, Uttarakhand

✓ D. Gulmarg, Jammu and Kashmir

Q.102 **Which of the following economic activities primarily focus on research and information?**

Ans

✗ A. Secondary

✓ B. Quaternary

✗ C. Primary

✗ D. Tertiary

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Q.103 **Which of the following is a pilot project of the National Bank for Agriculture and Rural Development (NABARD) for digitisation of Self Help Groups (SHGs)?**

Ans

✗ A. e-Village

✗ B. e-Banking

✗ C. e-Shiksha

✓ D. e-Shakti

Q.104 **On October 2024, India signed a $3.3 billion contract with which country for the procurement of 31 MQ-9B Predator drones?**

Ans

✗ A. France

✗ B. Israel

✗ C. Russia

✓ D. United States of America

Q.105 **The XEC variant, first identified in Germany in June 2024, is associated with (the) ____.**

Ans

✗ A. polio virus

✓ B. SARS CoV-2

✗ C. small pox virus

✗ D. HIV

Q.106 **To enhance bilateral cooperation in which of the following sectors, India held a discussion with the US delegation led by H.E. John Podesta, Senior Advisor to the President for International Climate Policy in August 2024?**

Ans

✗ A. Health

✗ B. Information Technology

✓ C. Energy

✗ D. Mining

Q.107 **Which of the following is a 'Loo' wind affected region of India?**

Ans

✗ A. Sundarbans Delta

✓ B. Thar Desert

✗ C. Eastern Coast

✗ D. Meghalaya Plateau

Q.108 **In which year did Rabindranath Tagore establish an experimental school at Santiniketan, where he tried to blend the best of Indian and Western traditions?**

Ans

✓ A. 1901

✗ B. 1890

✗ C. 1912

✗ D. 1899

Q.109 **Since which year has the National Tribal Festival/Carnival been organised as an annual feature by the Ministry of Tribal Affairs (MoTA)?**

Ans

✗ A. 2012

✓ B. 2015

✗ C. 2018

✗ D. 2016

Q.110 **Which Amendment introduced the Goods and Services Tax (GST) in India?**

Ans

✓ A. 1. 101st Amendment

✗ B. 2. 86th Amendment

✗ C. 3. 61st Amendment

✗ D. 4. 52nd Amendment

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Q.111 **The time period of the Chola Dynasty in South India was _____.**

Ans

✔ A. 1. 9th–13th Century CE

✘ B. 2. 5th–6th Century CE

✘ C. 3. 4th–5th Century CE

✘ D. 4. 7th–8th Century CE

Q.112 **As of March 2024, the Government of India has allowed 100% FDI under the Automatic route in which of the following sectors?**

Ans

✘ A. Education sector

✔ B. Indian space sector

✘ C. Defence sector

✘ D. Science and technology sector

Q.113 **In August 2024, retail inflation increased to 3.65%, remaining below the RBI's target of 4%. What was the primary driver of the rise in food inflation?**

Ans

✘ A. Rising demand for processed foods

✔ B. Higher prices for vegetables, fruits and other items

✘ C. Increase in fuel prices

✘ D. Surge in international food prices

Q.114 **Which of the following is true regarding the writ jurisdiction under Articles 32 and 226 of the Indian Constitution?**

Ans

✘ A. Only the Supreme Court has the authority to issue writs for the enforcement of Fundamental Rights.

✘ B. The writ of Quo Warranto can only be issued by the President of India.

✔ C. Under Article 32, Parliament has the power to allow other courts to issue writs for the enforcement of Fundamental Rights.

✘ D. High Courts can issue writs under Article 226 only for the enforcement of Fundamental Rights.

Q.115 **Which party, formed in 1923, was described as 'the party within the Congress'?**

Ans

✔ A. Swaraj Party

✘ B. Azad Party

✘ C. Ghadar Party

✘ D. Janata Party

Q.116 **India is known to have approximately what percentage of the animal species found worldwide according to the Zoological Survey of India (ZSI)?**

Ans

✘ A. 12.5%

✘ B. 10%

✔ C. 7.5%

✘ D. 5%

Q.117 **The 9th Amendment Act, 1960, made adjustments to the Indian territory due to an agreement with which country?**

Ans

✘ A. Bangladesh

✘ B. Nepal

✘ C. China

✔ D. Pakistan

Q.118 **Which of the following festivals of the Sikh community is celebrated on the full moon day of Kartik month as per the Hindu calendar?**

Ans

✘ A. Lohri

✘ B. Baisakhi

✔ C. Guru Nanak Jayanti

✘ D. Hola Mohalla

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Q.119 **The year 1991 is significant in Indian economic history because it marks the beginning of the:**

Ans

✗ A. Digital Revolution

✗ B. Industrial Revolution

✗ C. Green Revolution

✓ D. Economic Reforms and Liberalisation

Q.120 **The Khandke Wind Farm is located in which state of India?**

Ans

✓ A. Maharashtra

✗ B. Himachal Pradesh

✗ C. Sikkim

✗ D. Arunachal Pradesh

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	05/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A girl goes to school at a speed of 10 km/hr. She comes back with a speed of 40 km/hr. Find her average speed for the whole journey.**

Ans
- ✔ A. 16 km/h
- ✘ B. 14 km/h
- ✘ C. 10 km/h
- ✘ D. 6 km/h

Q.2 **The average of the marks of 15 students in a class is 43. If the marks of each student are doubled, find the new average?**

Ans
- ✘ A. 43
- ✔ B. 86
- ✘ C. 15
- ✘ D. 30

Q.3 **A sum, when invested at 10% simple interest per annum, amounts to ₹3120 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?**

Ans
- ✘ A. 240
- ✘ B. 1920
- ✔ C. 480
- ✘ D. 960

Q.4 **A clay cylinder of height 42 cm is converted into a cone of the same radius as that of the cylinder. If the volume of the cylinder is 52,800 cm^3, then the radius (in cm) of the cone is:**

(Use π = $\frac{22}{7}$)

Ans
- ✘ A. 24
- ✘ B. 22
- ✘ C. 18
- ✔ D. 20

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Q.5 The length of a rectangular garden is 20 m and its breadth is 8 m. Find the length of the diagonal of a square garden having the same area as that of the rectangular garden.

Ans

✗ A. $8\sqrt{10}$ m

✗ B. $4\sqrt{10}$ m

✓ C. $8\sqrt{5}$ m

✗ D. $4\sqrt{5}$ m

Q.6 **A principal amount of ₹8,000 is invested at an annual interest rate of 5% compounded half-yearly. What will be the compound interest earned after 4 years?**
[Use $(1.025)^8 = 1.2184$]

Ans

✓ A. ₹1,747.20

✗ B. ₹1,175.20

✗ C. ₹1,475.60

✗ D. ₹1,757.60

Q.7 **A tap can fill a tank in 8 hours. After half the tank is filled, four more similar taps are opened. What is the total time taken to fill the tank completely?**

Ans

✗ A. 5 hours, 30 min

✓ B. 4 hours, 48 min

✗ C. 4 hours, 40 min

✗ D. 3 hours, 30 min

Q.8 **In a laboratory, the count of bacteria in a certain experiment was increasing at the rate of 4.4% per hour. Find the count of bacteria at the end of 2 hours if the count was initially 8,05,00,000.**

Ans

✗ A. 8,44,39,855

✗ B. 8,77,39,884

✗ C. 8,78,39,878

✓ D. 8,77,39,848

Q.9 **The monthly incomes of two friends Chetan and Vipul, are in the ratio 5 : 7 respectively and each of them saves ₹72000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Chetan(in ₹).**

Ans

✗ A. 126000

✗ B. 89000

✗ C. 91000

✓ D. 90000

Q.10 **The average of first 109 even numbers is**

Ans

✗ A. 110.5

✓ B. 110

✗ C. 111

✗ D. 109.5

Q.11 **Three partners invested in a business in the ratio 4:6:8. They invested their capitals for 8 months, 4 months and 5 months, respectively. What was the ratio of their profits?**

Ans

✗ A. 2:3:5

✗ B. 7:3:5

✗ C. 5:3:5

✓ D. 4:3:5

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Q.12 **Evaluate: 41 - [21 - {11 - (15 - 6 ÷ 2 × 2)}]**

Ans

✗ A. 17

✗ B. 19

✗ C. 24

✓ D. 22

Q.13 **What is the smallest possible number which when divided by 33, 56 and 84, leaves 6, 29 and 57 as the remainders, respectively?**

Ans

✗ A. 1848

✓ B. 1821

✗ C. 1892

✗ D. 1875

Q.14 **Devvrat sold a commodity at a loss of 3%. If he would have been able to sell it at a profit of 15%, he would have received ₹1,494 more. What was the cost price (in ₹) of the commodity?**

Ans

✓ A. 8,300

✗ B. 8,350

✗ C. 8,250

✗ D. 8,400

Q.15 **A can do a piece of work in 12 days. B can do it in 18 days. With the assistance of C, they completed the work in 4 days. C alone can do it in _____days.**

Ans

✗ A. 11

✓ B. 9

✗ C. 8

✗ D. 10

Q.16 **The marked price of an article is ₹5,800. A customer gets two successive discounts, the first being 12%. Calculate the second discount percentage if the customer pays ₹4,695.68 for it.**

Ans

✓ A. 8%

✗ B. 7.5%

✗ C. 8.6%

✗ D. 7%

Q.17 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 114. Find the average of the remaining two numbers?**

Ans

✗ A. 189

✗ B. 196.5

✓ C. 195.5

✗ D. 190

Q.18 Mohan, Rahul, and Geeta enter into a partnership. They invest ₹35,000, ₹75,000, and ₹1,05,000, respectively. At the end of the first year, Rahul withdraws ₹25,000, while at the end of the second year, Geeta withdraws ₹75,000. In what ratio will the profit be shared at the end of 3 years?

Ans

✗ A. 63:184:311

✗ B. 63:105:219

✗ C. 63:111:211

✓ D. 63:105:184

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Q.19 Find the value of $47^{-5} \div 47^{11} \times 47^{-15}$

Ans

✗ A. 1.
47^{-41}

✗ B. 2.
47^{-27}

✓ C. 3.
47^{-31}

✗ D. 4.
47^{-38}

Q.20 The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 107. Find the average of the remaining two numbers?

Ans

✗ A. 199

✗ B. 184

✓ C. 198

✗ D. 183

Q.21 Kavya has to reach Bhopal which is 1011 km away in 19 hours. His starting speed for 7 hours was 25 km/hr. For the next 152 km his speed was 19km/hr. By what speed he must travel now so as to reach Bhopal in decided time of 19hours?

Ans

✗ A. 165 km/hr

✗ B. 177 km/hr

✗ C. 167 km/hr

✓ D. 171 km/hr

Q.22 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 123. Find the average of the remaining two numbers?

Ans

✗ A. 201

✗ B. 202

✓ C. 188

✗ D. 189

Q.23 A man riding on a bicycle at a speed of 43 km/h crosses a bridge in 54 minutes. Find the length of the bridge?

Ans

✗ A. 45.8 km

✗ B. 29.8 km

✗ C. 46.4 km

✓ D. 38.7 km

Q.24 Arun's salary is increased by 20% in January and his salary is again increased by 35% in the month of November. What is the overall percentage increase in his salary?

Ans

✗ A. 55%

✗ B. 60%

✗ C. 65%

✓ D. 62%

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Q.25 Simplify the following expression:

$$\frac{6.5^3 - 5^3}{42.25 + 32.5 + 25}$$

Ans

✗ A. 1.5

✗ B. 0.5

✗ C. 3.5

✓ D. 2.5

Q.26 **If 35% of k is 15 less than 3600% of 15, then k is:**

Ans

✗ A. 1540

✗ B. 1460

✓ C. 1500

✗ D. 1480

Q.27 **Asmita bought a saree for ₹4,800 and sold it for ₹4,200 after 1 year. Find her loss percentage.**

Ans

✗ A. 10.25%

✗ B. 11.85%

✗ C. 11%

✓ D. 12.5%

Q.28 **Kiran can do a certain piece of work in 15 days. Kiran and Garima can together do the same work in 10 days, and Kiran, Garima and Mehak can do the same work together in 9 days. In how many days can Kiran and Mehak do the same work?**

Ans

✗ A. $\frac{99}{7}$

✗ B. $\frac{88}{8}$

✓ C. $\frac{90}{7}$

✗ D. $\frac{86}{9}$

Q.29 **Find the value of A for which the number 7365A2 is divisible by 9.**

Ans

✓ A. 4

✗ B. 2

✗ C. 3

✗ D. 1

Q.30 **The value of**

$$0^3 - 3^2 + \left(\frac{30}{10}\right)^2 - 7 + 0 \times 1 = \_\_\_\_\_$$

Ans

✗ A. -4

✗ B. -10

✓ C. -7

✗ D. 1

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Q.31 **The LCM of three numbers is 2400. If the numbers are in the ratio of 3 : 4 : 5, find the greatest number among them.**

Ans

✔ A. 200

✘ B. 160

✘ C. 250

✘ D. 120

Q.32 **A trader offers a 10% discount on the marked price and provides 3 articles free for every 12 articles purchased, thereby earning a profit of 20%. Find the percentage by which the marked price is increased above the cost price, correct to two decimal places.**

Ans

✘ A. 61.25%

✘ B. 62.36%

✔ C. 66.67%

✘ D. 65.86%

Q.33 **How many seconds will a boy take to run one complete round around a square field of side 87 metres, if he runs at a speed of 3 km/h?**

Ans

✘ A. 425

✘ B. 424

✘ C. 421

✔ D. 417.6

Q.34 A conical canvas tent with height 14 units and radius 7 units requires _____ square units of canvas to make.

Ans

✘ A. $49\sqrt{2}\pi$

✘ B. $49\sqrt{3}\pi$

✔ C. $49\sqrt{5}\pi$

✘ D. $49\sqrt{6}\pi$

Q.35 **Simplify the expression:** $(0.2)^3 + (0.5)^3 + (0.7)^3 - (4 \times 0.2 \times 0.5 \times 0.7)$

Ans

✘ A. 0.0196

✘ B. 19.60

✔ C. 0.196

✘ D. 1.96

Section : **General Intelligence and Reasoning**

Q.36 **Seven people, A, B, C, D, E, F and G, are sitting in a straight line facing south. D is sitting to the immediate left of G and immediate right of E. A is sitting to the immediate left of E and immediate right of B. C is sitting to the immediate left of F. Who is sitting to the immediate left of B?**

Ans

✘ A. G

✘ B. E

✔ C. F

✘ D. D

Q.37 **What will come in place of the question mark (?) in the following equation if '–' and '+' are interchanged and '×' and '÷' are interchanged?**
270 × 30 ÷ 9 − 76 + 60 = ?

Ans

✔ A. 97

✘ B. 106

✘ C. 99

✘ D. 102

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Q.38 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All towels are boats.
No peanuts are boats.
All chairs are towels.

Conclusions:
(I) Some boats are chairs.
(II) No towels are peanuts.

Ans
✗ A. Neither conclusion (I) nor (II) follows.
✓ B. Both conclusions (I) and (II) follow.
✗ C. Only conclusion (II) follows.
✗ D. Only conclusion (I) follows.

Q.39 **What should come in place of the question mark (?) in the given series?**

1155, 1034, 985, 960, 951, ?

Ans
✗ A. 950
✗ B. 951
✓ C. 947
✗ D. 942

Q.40 **Neha starts from Point Y and drive 8 km towards north. Then she takes right turn and drives 9 km and then again she takes right turn and drives 18 km. Then she turns left and drives 7 km. Then she turns left and drives 2 km and at last she turns left and drives 16 km and stops at point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again?**

Ans
✗ A. 7 km towards south
✗ B. 7 km towards north
✓ C. 8 km towards north
✗ D. 8 km towards south

Q.41 **Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.**

GJEZ EHCX CFAV ADYT ?

Ans
✗ A. YRIN
✗ B. YBRW
✗ C. YBRI
✓ D. YBWR

Q.42 **In a certain code language, 'knowledge is a boon' is written as 'if mi nn ku' and 'God gives boon' is coded as 'mi in im'. How is 'boon' coded in the given language?**

Ans
✓ A. mi
✗ B. if
✗ C. im
✗ D. nn

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Q.43 **WMHD is related to TJEA in a certain way based on the English alphabetical order. In the same way, TGNV is related to QDKS. To which of the given options is FIXL related, following the same logic?**

Ans

✔ A. CFUI

✘ B. QDEA

✘ C. TJKS

✘ D. TDKS

Q.44 **What should come in place of the question mark (?) in the given series?**

9 20 42 86 ? 350

Ans

✘ A. 173

✘ B. 175

✔ C. 174

✘ D. 172

Q.45 **Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).**

(Left) 4 4 5 1 4 6 2 1 9 3 3 7 9 3 7 3 4 6 5 7 7 9 6 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

Ans

✘ A. Two

✘ B. None

✔ C. One

✘ D. Three

Q.46 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All almonds are crows.
Some peanuts are razors.
All razors are crows.
Conclusions:
(I): All peanuts are crows.
(II): Some almonds are razors.

Ans

✘ A. Only conclusion (I) follows.

✘ B. Only conclusion (II) follows.

✘ C. Both conclusions (I) and (II) follow.

✔ D. Neither conclusion (I) nor (II) follows.

Q.47 **What should come in place of the question mark (?) in the given series?**

6 11 18 23 42 47 ?

Ans

✘ A. 95

✔ B. 90

✘ C. 98

✘ D. 89

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Q.48 **This question is based on the five, three-digit numbers given below.**

(Left) 359 725 422 627 435 (Right)

(Example- 697 – First digit = 6, second digit = 9, and third digit = 7)
(Note: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

Ans

✗ A. 15

✗ B. 10

✗ C. 13

✓ D. 11

Q.49 **In a certain code language, 'MINT' is coded as '4286' and 'NEAR' is coded as '3879'. What is the code for 'N' in the given code language?**

Ans

✗ A. 3

✗ B. 6

✓ C. 8

✗ D. 7

Q.50 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

BVM EYP HBS KEV ?

Ans

✓ A. NHY

✗ B. NBH

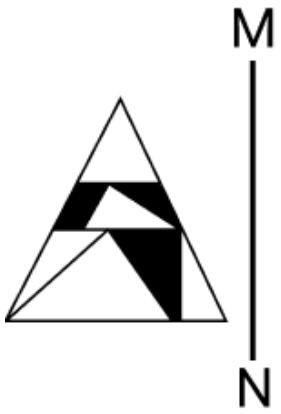
✗ C. NYH

✗ D. NHB

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Q.51



Ans

✗ A.



✗ B.



✓ C.



✗ D.



Q.52 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

IFX : LCS
DNG : GKB

Ans

✗ A. VHP : YJK

✗ B. KKK : NNG

✗ C. UIR : XMM

✓ D. BFO : ECJ

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Q.53 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept below G. Only one box is kept above B. Only one box is kept between B and D. A is kept immediately above C. E is kept at some place below F. Which box is kept at the top?

Ans

✗ A. D

✗ B. B

✓ C. F

✗ D. A

Q.54 In a certain code language,
A @ B means 'A is the sister of B',
A & B means 'A is the brother of B',
A + B means 'A is the wife of B',
A # B means 'A is the father of B'.

Based on the above, how is S related to T if 'S + D # R & Y @ T'?

Ans

✗ A. Daughter

✗ B. Wife

✗ C. Sister

✓ D. Mother

Q.55 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.
(Left) Ω 9 2 # 1 8 $ 7 3 6 * £ + 5 4 @ % & (Right)
How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by another symbol?

Ans

✗ A. 2

✗ B. 4

✗ C. 5

✓ D. 3

Q.56 Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. Only W sits to the right of R. Only three people sit to the left of S. Only three people sit between R and Y. Q sits at some place to the left of T but at some place to the right of X. How many people sit to the left of X?

Ans

✗ A. Two

✗ B. Three

✗ C. One

✓ D. None

Q.57 In a certain code language, 'DINE' is coded as '1290' and 'BIDE' is coded as '9025'. What is the code for 'B' in the given code language?

Ans

✗ A. 1

✗ B. 0

✓ C. 5

✗ D. 9

Q.58 In a row of people all facing North, Fardeen is 4th from the left end. Paras is 6th from the left end. Paras is exactly between Fardeen and Kapil. If Kapil is 5th from the right end of the row, how many people are there in the row?

Ans

✗ A. 11

✗ B. 13

✓ C. 12

✗ D. 10

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Q.59 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. POL

✗ B. TSP

✗ C. JIF

✓ D. KJH

Q.60 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

TWO QTL NQI KNF ?

Ans

✗ A. HLC

✗ B. HLB

✓ C. HKC

✗ D. HKB

Q.61 **In a certain code language,**
'A : B' means 'A is the wife of B',
'A × B' means 'A is the brother of B',
'A < B' means 'A is the father of B' and
'A + B' means 'A is the mother of B'.

How is C related to G if 'C < D × E + F : G'?

Ans

✗ A. Wife's mother's sister

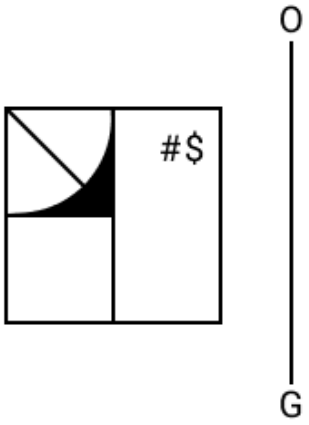
✗ B. Wife's daughter's son

✓ C. Wife's mother's father

✗ D. Wife's father's daughter

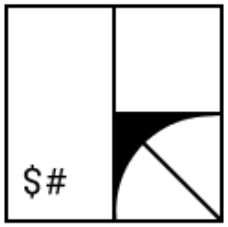
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Q.62

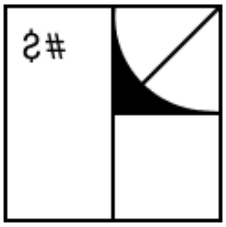


Ans

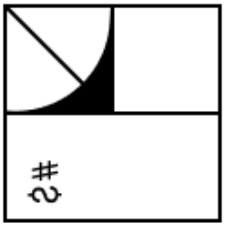
✗ A.



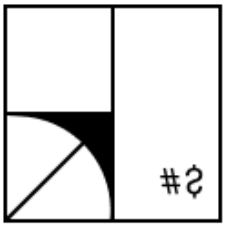
✓ B.



✗ C.



✗ D.



Q.63 **What will come in place of the question mark (?) in the following equation if '+' and '–' are interchanged and '×' and '÷' are interchanged?**
225 × 9 ÷ 10 − 39 + 45 = ?

Ans

✗ A. 229

✓ B. 244

✗ C. 231

✗ D. 236

Q.64 **MNPL is related to RSUQ in a certain way based on the English alphabetical order. In the same way, JKMI is related to OPRN. To which of the following is QRTP related, following the same logic?**

Ans

✗ A. WVYU

✗ B. VWUY

✓ C. VWYU

✗ D. WVUY

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Q.65 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All pots are tears.
Some tears are bottles.
All bottles are cloves.
Conclusions:
(I): All cloves are tears.
(II): Some cloves are pots.

Ans
✗ A. Only conclusion (I) follows.
✗ B. Only conclusion (II) follows.
✓ C. Neither conclusion (I) nor (II) follows.
✗ D. Both conclusions (I) and (II) follow.

Q.66 **Vijay starts from Point Y and drives 29 km towards south. He then takes a left turn, drives 68 km, turns right and drives 55 km. He then takes a right turn and drives 27 km. He takes a right turn, drives 84 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)**

Ans
✗ A. 44 km towards south
✗ B. 46 km towards east
✓ C. 41 km towards west
✗ D. 37 km towards east

Q.67 **Seven friends, Q, R, S, T, W, X and Y, are sitting around a circular table facing the centre of the table. X sits third to the left of Q. R sits third to the left of T. Only four people sit between X and S when counted from the right of X. W is an immediate neighbour of both S and Q. How many people sit between Y and W when counted from the left of Y?**

Ans
✗ A. One
✓ B. Three
✗ C. Two
✗ D. Four

Q.68 **If 'A' stands for '−', 'B' stands for '+', 'C' stands for '×' and 'D' stands for '÷', what will come in place of the question mark (?) in the following equation?**
120 A 90 B 10 C 100 D 20 = ?

Ans
✗ A. 88
✗ B. 85
✗ C. 75
✓ D. 80

Q.69 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
✗ A. KR-OM
✗ B. EL-IG
✓ C. BI-FE
✗ D. HO-LJ

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Q.70 **In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following number-pairs. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)**
21, 105
19, 95

Ans
- ✗ A. 24, 65
- ✗ B. 31, 90
- ✗ C. 13, 95
- ✓ D. 14, 70

Section : **General Awareness**

Q.71 **What was the role of the public sector in India's industrial development from 1947 to 1991?**

Ans
- ✓ A. To dominate key industries and infrastructure
- ✗ B. To promote private investment
- ✗ C. To focus on export-oriented industries
- ✗ D. To support small-scale industries

Q.72 **In which of the following states is the Marleshwar Yatra held annually on the occasion of Makar Sankranti?**

Ans
- ✗ A. Haryana
- ✓ B. Maharashtra
- ✗ C. Punjab
- ✗ D. Jharkhand

Q.73 **In May 2024, India participated in the 7th edition of Joint Military Exercise 'Shakti' with which country?**

Ans
- ✗ A. Chile
- ✓ B. France
- ✗ C. Japan
- ✗ D. Italy

Q.74 **Lake 'Chilika' lies at (the) _____.**

Ans
- ✓ A. Mahanadi delta
- ✗ B. Kanniyakumari
- ✗ C. Sundarbans Delta
- ✗ D. estuary of Narmada

Q.75 **The velocity of an object at time t_1 is v_1, and at time t_2, it becomes v_2. The average acceleration of the object in that time-interval is:**

Ans
- ✗ A. 1. $(v_2 - v_1)/t_2$
- ✓ B. 2. $(v_2 - v_1)/(t_2 - t_1)$
- ✗ C. 3. $v_2/(t_2 - t_1)$
- ✗ D. 4. v_2/t_2

Q.76 **What was the main goal of the Second Five-Year Plan?**

Ans
- ✗ A. Improving rural infrastructure
- ✗ B. Increasing exports
- ✗ C. Achieving self-sufficiency in agriculture
- ✓ D. Rapid industrialisation

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Q.77 **Which of the following dynasties does NOT belong to the Sangam Period?**

Ans

✔ A. Gupta

✘ B. Chola

✘ C. Pandya

✘ D. Chera

Q.78 **The HIV virus impacts the human immune system. What does the abbreviation HIV stand for?**

Ans

✘ A. Human Immune Virus

✘ B. Human Infection Virus

✔ C. Human Immunodeficiency Virus

✘ D. Human Inflammatory Virus

Q.79 **Which of the following events marked the formal end of the Mughal Empire after the First War of Independence?**

Ans

✔ A. The exile of Bahadur Shah Zafar to Rangoon (now Yangon)

✘ B. The British annexation of Bengal

✘ C. The signing of the Treaty of Lahore

✘ D. The fall of Delhi

Q.80 **Which company signed an MoU with NPCI International Payments Ltd (NIPL) to expand UPI's impact internationally, in January 2024?**

Ans

✘ A. PayPal India

✔ B. Google India Digital Services (P) Limited

✘ C. Amazon India

✘ D. Microsoft India

Q.81 **Which of the following Articles of the Indian Constitution explicitly prohibits the State from making any law that violates Fundamental Rights?**

Ans

✘ A. Article 42

✔ B. Article 13

✘ C. Article 32

✘ D. Article 30

Q.82 **In which of the following cities was International WASH (Water, Sanitation, and Hygiene) Conference held from 17 to 19 September 2024?**

Ans

✘ A. London

✘ B. New York

✔ C. New Delhi

✘ D. Singapore

Q.83 **In June 2024, the Government launched 'MSME TEAM', which aims to facilitate ____ micro and small enterprises for Open Network for Digital Commerce.**

Ans

✘ A. 3 lakh

✔ B. 5 lakh

✘ C. 10 lakh

✘ D. 2 lakh

Q.84 **Which of the following islands is known for having the only active volcano in India?**

Ans

✘ A. Madagaskar

✘ B. Maldives Islands

✔ C. Barren Island

✘ D. Malta

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Q.85 **In which year did India introduce economic reforms, leading to globalisation?**

Ans

✗ A. 2010

✗ B. 1985

✗ C. 2001

✓ D. 1991

Q.86 **Which type of RNA transports genetic information from the DNA in the nucleus to the ribosomes in the cytoplasm, where it directs protein synthesis?**

Ans

✗ A. rRNA

✗ B. snRNA

✓ C. mRNA

✗ D. tRNA

Q.87 **The Union Budget 2024-25 reduced long-term capital gains (LTCG) tax from 20% to ____ but removed the indexation benefit available earlier.**

Ans

✗ A. 14.5%

✗ B. 10.5%

✗ C. 16.5%

✓ D. 12.5%

Q.88 **Which of the following is NOT a part of the definition of a town as per the Census of India?**

Ans

✓ A. More than 75% of the population engaged in primary sector

✗ B. Population size of more than 5,000 persons

✗ C. 3. Population density of 400 persons per km^2

✗ D. Presence of municipality, corporation, etc

Q.89 **By which of the following Amendment Acts was Article 21(A) inserted in the Indian Constitution?**

Ans

✓ A. 1. 86th Amendment Act

✗ B. 2. 42nd Amendment Act

✗ C. 3. 44th Amendment Act

✗ D. 4. 73rd Amendment Act

Q.90 **Which group criticised the moderates for their 'mendicancy'?**

Ans

✗ A. Constitutionalists

✗ B. British government

✓ C. Extremists

✗ D. Socialists

Q.91 **What is the local name used for the primitive form of cultivation (slash and burn agriculture) in the Indian state of Andhra Pradesh?**

Ans

✗ A. Valre

✓ B. Podu

✗ C. Dahiya

✗ D. Bringa

Q.92 **Social or Collective Ownership, Central Planning Authority and Social Welfare are the features of which type of economy?**

Ans

✗ A. Capitalism

✓ B. Socialism

✗ C. Imperialism

✗ D. Communism

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Q.93 **Which country is hosting the twenty-ninth Conference of the Parties (COP29) to the UN Framework Convention on Climate Change (UNFCCC) in November 2024?**

Ans
- ✗ A. Georgia
- ✓ B. Azerbaijan
- ✗ C. India
- ✗ D. Russia

Q.94 **To whom among the following is the invention of the Sitar commonly credited?**

Ans
- ✗ A. Ustad Yusuf Ali Khan
- ✗ B. Maseet Khan
- ✓ C. Amir Khusrau
- ✗ D. Raza Khan

Q.95 **In June 2024, Mohan Charan Majhi was appointed as chief minister of Odisha. Which party does he belong to?**

Ans
- ✓ A. Bhartiya Janta Party
- ✗ B. Aam Admi Party
- ✗ C. Congress (I)
- ✗ D. Biju Janta Dal

Q.96 **The region known as the Doab is located between:**

Ans
- ✓ A. two rivers
- ✗ B. a river and the sea
- ✗ C. a river and a mountain range
- ✗ D. two mountain ranges

Q.97 **Which ministry and National Stock Exchange of India Limited (NSE) signed a Memorandum of Understanding (MoU) to facilitate capital market access for MSMEs on 29 July 2024?**

Ans
- ✗ A. Ministry of Commerce and Industry
- ✓ B. Ministry of Defence
- ✗ C. Ministry of Finance
- ✗ D. Ministry of Home Affairs

Q.98 **The 86th Constitutional Amendment Act added the Right to Education in the Constitution, under which Article?**

Ans
- ✗ A. Article 19
- ✗ B. Article 20
- ✗ C. Article 22
- ✓ D. Article 21 A

Q.99 **Recombinant proteins, often seen in the news, are ____.**

Ans
- ✗ A. natural proteins found in bacteria
- ✗ B. proteins synthesised in mutated cell lines
- ✓ C. proteins synthesised by transgene in host cell by rDNA technology
- ✗ D. proteins synthesised in animal models

Q.100 **The Great Bath is one of the special features of which of the following sites of the Indus Valley Civilisation?**

Ans
- ✓ A. Mohenjodaro
- ✗ B. Rakhigarhi
- ✗ C. Chanhudaro
- ✗ D. Dholavira

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Q.101 What is the maximum strength of the Rajya Sabha as per the Indian Constitution?

Ans

✗ A. 200

✗ B. 225

✗ C. 238

✓ D. 250

Q.102 Indian classical ragas, by the number of notes, can be divided into ____ main categories or Jatis.

Ans

✗ A. four

✓ B. three

✗ C. five

✗ D. seven

Q.103 Which of the following was NOT a provision of the November 1857 Royal Proclamation?

Ans

✗ A. Doctrine of Lapse was abolished

✓ B. Separate electorate was introduced for Muslims

✗ C. Non-interference in the religious affairs of Indians

✗ D. No further extension of territories in India

Q.104 In August 2024, India's drug regulator approved Siemens Healthineers to manufacture testing kits for mpox. What does the 'm' in mpox stand for?

Ans

✗ A. Micro

✗ B. Multi

✗ C. Mini

✓ D. Monkey

Q.105 During a special campaign conducted from 2-31 October 2024, with a focus on minimising pendency and promoting Swachhata, how much revenue did Public Sector Banks (PSBs) and financial institutions in India realise through scrap disposal?

Ans

✓ A. ₹4.5 crore

✗ B. ₹3.5 crore

✗ C. ₹4 crore

✗ D. ₹2 crore

Q.106 Who among the following became the first person to hoist the Indian flag on foreign soil during the International Socialist Conference in Stuttgart, Germany, in 1907?

Ans

✗ A. S Muthulakshmi Reddy

✗ B. Kalpana Datta

✗ C. Matangini Hazra

✓ D. Madam Bhikaiji Cama

Q.107 Which of the following are the grounds for the removal of a judge of a High Court or the Supreme Court?

Ans

✗ A. Proved incapacity and lack of qualifications

✗ B. Proved misbehaviour and administrative errors

✗ C. Proved misbehaviour and criminal conviction

✓ D. Proved misbehaviour and incapacity

Q.108 What is the main function of leukocytes in the human body?

Ans

✗ A. Transporting nutrients to cells

✓ B. Initiating the immune response

✗ C. Forming blood clots to stop bleeding

✗ D. Carrying oxygen to tissues

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Q.109 **Which of the following tribes is primarily found in the Andaman and Nicobar Islands?**

Ans
- ✔ A. Shompen
- ✘ B. Siddi
- ✘ C. Irular
- ✘ D. Kadar

Q.110 **Who among the following is NOT a recipient of the prestigious Bharat Ratna award of the year 2024?**

Ans
- ✘ A. MS Swaminathan
- ✘ B. Charan Singh
- ✔ C. MS Subbulakshmi
- ✘ D. Karpoori Thakur

Q.111 **In which of the following months does an easterly jet stream flow over the southern part of the Peninsula, reaching a maximum speed of approximately 90 km per hour?**

Ans
- ✘ A. December
- ✔ B. June
- ✘ C. February
- ✘ D. April

Q.112 **The principles of social justice incorporated in the Directive Principles are influenced by which philosophy?**

Ans
- ✘ A. Communism
- ✘ B. Anarchism
- ✘ C. Capitalism
- ✔ D. Gandhism

Q.113 **The process of converting sugar into alcohol by adding yeast is known as:**

Ans
- ✔ A. Fermentation
- ✘ B. Transpiration
- ✘ C. Photosynthesis
- ✘ D. Respiration

Q.114 **Which sector has been highlighted as a significant contributor to job creation in India, according to the Economic Survey 2024?**

Ans
- ✘ A. Government sector
- ✘ B. Foreign investments
- ✘ C. Agricultural sector
- ✔ D. Private sector

Q.115 **Which of the following Acts transferred the power from the British East India Company to the British Crown in India?**

Ans
- ✘ A. Indian Councils Act, 1909
- ✘ B. Government of India Act, 1935
- ✘ C. Pitt's India Act
- ✔ D. Government of India Act, 1858

Q.116 **Which of the following is NOT a correct classification of the Directive Principles of State Policy?**

Ans
- ✔ A. The Nehru Principles
- ✘ B. The economic and social principles
- ✘ C. Principles for the International Peace and Security
- ✘ D. The Gandhian Principles

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Q.117 The actor Arun Govil, known for playing Lord Ram in the popular Doordarshan series 'Ramayan', won from which Lok Sabha seat in the 2024 General Elections?

Ans

✗ A. Mathura

✗ B. Muzaffarnagar

✓ C. Meerut

✗ D. Mandi

Q.118 Which of the following best describes globalisation?

Ans

✓ A. Increasing international interdependence and trade

✗ B. Reducing international trade

✗ C. Limiting cultural exchange

✗ D. Isolating economies from global markets

Q.119 Arrange the following Mauryan Emperors in chronological order.
I. Bindusara
II. Brihadratha
III. Samprati
IV. Ashoka

Ans

✗ A. II - IV - III - I

✗ B. IV - I - III - II

✓ C. I - IV - III - II

✗ D. I - II - III - IV

Q.120 Which organization promotes rural development and self-employment in India?

Ans

✓ A. National Bank for Agriculture and Rural Development (NABARD)

✗ B. Central Bureau of Investigation (CBI)

✗ C. Reserve Bank of India (RBI)

✗ D. World Trade Organization (WTO)

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	05/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A bus travelling at 80 km/h completes a journey in 14 hours. At what speed will it have to cover the same distance in 20 hours?**

Ans
- ✗ A. 53 km/h
- ✓ B. 56 km/h
- ✗ C. 48 km/h
- ✗ D. 51 km/h

Q.2 **The difference between a number increased by 17% and the same number decreased by 18% is 28. Find the number.**

Ans
- ✗ A. 0.8
- ✗ B. 4.76
- ✓ C. 80
- ✗ D. 476

Q.3 **The average of first 110 even numbers is**

Ans
- ✗ A. 112
- ✗ B. 110.5
- ✓ C. 111
- ✗ D. 111.5

Q.4 **An amount of ₹351 is divided among three persons in the ratio of 4 : 11 : 3. The difference between the largest and the smallest shares (in ₹) in the distribution is:**

Ans
- ✗ A. 240
- ✗ B. 228
- ✓ C. 156
- ✗ D. 124

Q.5 **If the radius of the base of a right circular cylinder is decreased by 46% and its height is increased by 270%, then what is the percentage increase (closest integer) in its volume?**

Ans
- ✓ A. 8%
- ✗ B. 19%
- ✗ C. 28%
- ✗ D. 22%

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Q.6 If 18 , 36 , 14 , and y are in proportion, then the value of y is:

Ans

✗ A. 19

✓ B. 28

✗ C. 36

✗ D. 34

Q.7 Find the value of $\left(\frac{1}{4}\right)^{-2} + \left(\frac{1}{8}\right)^{-2} + \left(\frac{1}{5}\right)^{-2}$.

Ans

✗ A. 111

✗ B. 101

✗ C. 113

✓ D. 105

Q.8 A bank gives 12% per annum interest on an account. If the interest is compounded half-yearly, then _____ of the principal would have been earned more in a year as interest on the account.

Ans

✓ A. 0.36%

✗ B. 3.6%

✗ C. 0.18%

✗ D. 1.8%

Q.9 A person sold 20 dining tables for ₹5,39,000; thereby gaining the cost price of five dining tables. Find the cost price of each dining table.

Ans

✗ A. ₹26,950

✗ B. ₹25,000

✓ C. ₹21,560

✗ D. ₹27,855

Q.10 Two inlet pipes A and B can fill a cistern in 30 minutes and 36 minutes, respectively. Initially, only A is opened for 10 minutes. After 10 minutes, A is closed and B is opened. In how much time (in minutes) will the inlet pipe B fill the remaining part of the cistern?

Ans

✗ A. 20

✓ B. 24

✗ C. 22

✗ D. 26

Q.11 In a race, an athlete covers a distance of 300 m in 50 sec in the first lap. He covers the second lap of the same length in 150 sec. What is the average speed (in m/sec) of the athlete?

Ans

✓ A. 3

✗ B. 11

✗ C. 12

✗ D. 8

Q.12 The length of one side of a regular hexagon is 4 cm. The area (in cm^2) of the hexagon is:

Ans

✗ A. $36.14\ cm^2$

✗ B. $26\sqrt{5}\ cm^2$

✓ C. $24\sqrt{3}\ cm^2$

✗ D. $32\sqrt{3}\ cm^2$

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Q.13 A shopkeeper marks up an item by 25% above its cost price. If the cost price of the item is ₹500, what is the marked price (in ₹)?

Ans
- ✔ A. 625
- ✘ B. 655
- ✘ C. 512.5
- ✘ D. 650

Q.14 A sum, when invested at 10% simple interest per annum, amounts to ₹2400 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?

Ans
- ✘ A. 200
- ✔ B. 400
- ✘ C. 800
- ✘ D. 1600

Q.15 In a class the average marks obtained in a science test by a group of 12 students is 70, by another group of 15 students is 85 and that by another group of 18 students is 90. Find the average marks of all the students.

Ans
- ✘ A. 86
- ✔ B. 83
- ✘ C. 84.5
- ✘ D. 82.5

Q.16 A 280 m long train overtakes a man moving at a speed of 5 km/h (in same direction) in 42 seconds. How much time (in seconds) will it take this train to completely cross another 500 m long train, moving in the opposite direction at a speed of 43 km/h?

Ans
- ✘ A. 38
- ✘ B. 52
- ✘ C. 34
- ✔ D. 39

Q.17 Find the compound interest on an amount of ₹24,000 after three years, when compounded annually at the rate of 15% per annum.

Ans
- ✘ A. ₹11,901
- ✔ B. ₹12,501
- ✘ C. ₹12,905
- ✘ D. ₹11,250

Q.18 What is the greatest number which, when it divides 2987, 3755 and 4331, leaves a remainder of 11 in each case?

Ans
- ✔ A. 96
- ✘ B. 94
- ✘ C. 90
- ✘ D. 92

Q.19 The value of $\frac{(2023)^{2024} + (2023)^{2023} + 2024}{(2023)^{2023} + 1}$ is:

Ans
- ✘ A. 2023
- ✘ B. 2025
- ✔ C. 2024
- ✘ D. 4047

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Q.20 **Find the value of K for which the five-digit number 68K52 is divisible by 13.**

Ans

✔ A. 9

✘ B. 3

✘ C. 8

✘ D. 5

Q.21 **A person can complete a journey in 9 hours. He covers the first one-third part of the journey at the rate of 35 km/h and the remaining distance at the rate of 28 km/h. What is the total distance (in km) of his journey?**

Ans

✘ A. 277

✘ B. 275

✔ C. 270

✘ D. 268

Q.22 **The average weight of 7 persons increases by 3 kg when a new person comes in place of one of them weighing 56 kg. What might be the weight of the new person?**

Ans

✘ A. 66 kg

✘ B. 71 kg

✘ C. 59 kg

✔ D. 77 kg

Q.23 **Evaluate:**

$$\sqrt{\left(76+\sqrt{\left((21+\sqrt{\left(9+\sqrt{\left(40+\sqrt{(81)}\right)}\right)}\right)}\right)}$$

Ans

✘ A. 8

✔ B. 9

✘ C. 11

✘ D. 12

Q.24 **Vijay can do a piece of work in 4 hours. Ajay can do it in 28 hours. With the assistance of Amit, they completed the work in 3 hours. In how many hours can Amit alone do it?**

Ans

✔ A. 21

✘ B. 20

✘ C. 22

✘ D. 23

Q.25 **A number when increased by 40 %', gives 3500. The number is:**

Ans

✘ A. 5000

✔ B. 2500

✘ C. 1250

✘ D. 7500

Q.26 **Four chimes ring simultaneously at 5:30 a.m. After that, they ring at the intervals of 15 seconds, 20 seconds, 25 seconds and 30 seconds, respectively. How many times will these chimes ring together till 8:15 a.m., including at 5:30 a.m.?**

Ans

✔ A. 34

✘ B. 32

✘ C. 33

✘ D. 31

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Q.27 The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 134. Find the average of the remaining two numbers?

Ans

✗ A. 212

✓ B. 183.5

✗ C. 211

✗ D. 184.5

Q.28 Evaluate: 2 × {17 - 3 × (9 -5)}

Ans

✓ A. 10

✗ B. 7

✗ C. 14

✗ D. 9

Q.29 The sum of 8 numbers is 864. Find their average.

Ans

✗ A. 107

✓ B. 108

✗ C. 109

✗ D. 106

Q.30 The radius of the base of a solid cone is 21 cm and its height is 9 cm. What is the volume of the cone?

Ans

✓ A. 1. 4158 cm^3

✗ B. 2. 5940 cm^3

✗ C. 3. 1386 cm^3

✗ D. 4. 1980 cm^3

Q.31 Prakash and Vinesh can complete a certain piece of work in 10 and 8 days, respectively, They started to work together, and after 3 days, Vinesh left. In how many days will Prakash complete the remaining work?

Ans

✗ A. $\frac{133}{40}$

✓ B. $\frac{130}{40}$

✗ C. $\frac{131}{41}$

✗ D. $\frac{130}{42}$

Q.32 What is the difference in the amounts between two schemes of discount, the first one being a discount of 20%, and the second one, 2 successive discounts of 15% and 5%, both given on shopping of ₹5,050?

Ans

✗ A. ₹97.225

✓ B. ₹37.875

✗ C. ₹1,010

✗ D. ₹975.75

Q.33 A person bought a watch for ₹800 and sold it for ₹600. What is the loss percentage?

Ans

✗ A. 20%

✓ B. 25%

✗ C. 30%

✗ D. 10%

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Q.34 After a 20% hike, the cost of a dining cloth is ₹1,740. What was the original price of the cloth?

Ans
- ✗ A. ₹1,530
- ✗ B. ₹1,500
- ✗ C. ₹1,410
- ✓ D. ₹1,450

Q.35 Simplify: $\frac{6}{10} - \left(0.6 \div \frac{10}{3}\text{ of } 0.6 + 7 - 10 \div 5\right) - 0.3$

Ans
- ✓ A. -5
- ✗ B. 0.6
- ✗ C. 1
- ✗ D. 0

Section : **General Intelligence and Reasoning**

Q.36 MIKL is related to RNPQ in a certain way based on the English alphabetical order. In the same way, PLNO is related to UQST. To which of the following is TPRS related, following the same logic?

Ans
- ✓ A. YUWX
- ✗ B. UYXW
- ✗ C. UYWX
- ✗ D. YUXW

Q.37 This question is based on the five, three-digit numbers given below.

(Left) 271 415 612 872 547 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

Ans
- ✗ A. 2
- ✗ B. 1
- ✗ C. 3
- ✓ D. 0

Q.38 Suresh starts from Point Z and drives 8 km towards west. Then, he takes a right turn, drives 4 km, again takes a right turn and drives 12 km. Then, he turns left and drives 5 km. Then, he turns left again and drives 6 km; again he takes a left turn and drives 15 km. Then, again he takes a left turn, drives 2 km and stops at Point N. How far (shortest distance) and towards which direction should he drive in order to reach Point Z again?

Ans
- ✗ A. 6 km towards South
- ✓ B. 6 km towards North
- ✗ C. 9 km towards North
- ✗ D. 10 km towards North

Q.39 Each of P, Q, R, S, T, U and V has an exam on a different day of the week starting from Monday and ending on Sunday of the same week. Q answers the exam immediately before T. T answers the exam immediately before P. P answers an exam on Wednesday. R does not answer the exam on Saturday or Sunday. U answers the exam on Friday. S answers the exam immediately after U. Who answers the exam on Sunday?

Ans
- ✓ A. V
- ✗ B. Q
- ✗ C. T
- ✗ D. U

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Q.40 **A, B, C, D, E, F and G are sitting around a circular table, facing the centre. G sits third to the left of C. A sits second to the left of G. F sits to the immediate right of E. D sits to the immediate right of A.**
How many people sit between B and C when counted from the left of C?

Ans
- ✗ A. Two
- ✗ B. Four
- ✗ C. Three
- ✓ D. Five

Q.41 **Which of the following letter number-clusters will replace the question mark (?) in the given series to make it logically complete?**

JO37 KP44 LQ51 MR58 ?

Ans
- ✓ A. NS65
- ✗ B. NS64
- ✗ C. NR64
- ✗ D. NR65

Q.42 **What should come in place of '?' in the given series?**

35, 8, 43, 47, 11, 58, 59, 14, ?

Ans
- ✗ A. 70
- ✓ B. 73
- ✗ C. 71
- ✗ D. 17

Q.43 **This question is based on the five, three-digit numbers given below.**
(Left) 574 941 523 971 563 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.
What will be the resultant if the third digit of the second highest number is added to the third digit of the second lowest number?

Ans
- ✓ A. 4
- ✗ B. 3
- ✗ C. 7
- ✗ D. 9

Q.44 **Which two signs should be interchanged to make the following equation correct?**

54 + 6 × 2 ÷ 6 – 5 = 19

Ans
- ✗ A. + and ×
- ✗ B. + and −
- ✗ C. ÷ and −
- ✓ D. + and ÷

Q.45 **What should come in place of the question mark (?) in the given series?**

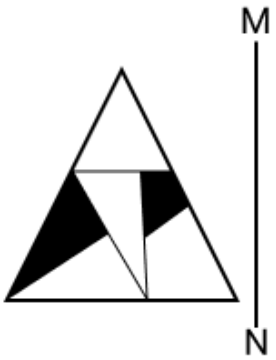
250 210 175 145 120 ?

Ans
- ✗ A. 80
- ✗ B. 90
- ✓ C. 100
- ✗ D. 110

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Q.46



Ans

✗ A.



✗ B.



✗ C.



✓ D.



Q.47 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
19 - 4 - 23
59 - 7 - 66

Ans

✗ A. 15 - 12 - 17

✓ B. 17 - 24 - 41

✗ C. 32 - 9 - 51

✗ D. 13 - 8 - 23

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Q.48 **FBT is related to IEW in a certain way based on the English alphabetical order. In the same way, HUP is related to KXS. To which of the following is ISD related, following the same logic?**

Ans

✗ A. MUG

✗ B. LVH

✗ C. MUH

✓ D. LVG

Q.49 **What should come in place of the question mark (?) in the given series?**

8 14 24 47 74 114 ?

Ans

✗ A. 145

✗ B. 185

✗ C. 154

✓ D. 158

Q.50 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some mobiles are tablets.
Some tablets are laptops.
All laptops are cameras.

Conclusions:
(I) Some cameras are tablets.
(II) All laptops are mobiles.

Ans

✓ A. Only conclusion (I) follows.

✗ B. Neither conclusion (I) nor (II) follows.

✗ C. Only conclusion (II) follows.

✗ D. Both conclusions (I) and (II) follow.

Q.51 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. SRQ

✓ B. EDB

✗ C. MLK

✗ D. XWV

Q.52 **In a certain code language,**
A + B means 'A is the mother of B'
A − B means 'A is the father of B'
A X B means 'A is the sister of B'
A / B means 'A is the brother of B'
A > B means 'A is the husband of B'
A * B means 'A is the wife of B'

How is M related to O if M / J − O X T + L?

Ans

✗ A. Father's father

✗ B. Father

✓ C. Father's brother

✗ D. Son

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Q.53 **What will come in place of the question mark (?) in the following equation if '−' and '÷' are interchanged and '+'and '×' are interchanged?**

$$17 \times 22 \div 11 \div 28 - 14 + 3 = ?$$

Ans

✗ A. 17

✗ B. 7

✓ C. 22

✗ D. 14

Q.54 **Seven friends C, D, E, P, Q, R and S are sitting around a circular table facing the centre of the table. S sits third to the left of Q. C sits second to the right of R. Only Q sits between E and R. P is not an immediate neighbour of S. Who sits second to the right of D?**

Ans

✗ A. C

✗ B. P

✗ C. R

✓ D. Q

Q.55 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All rocks are pens.
Some flowers are rocks.
All trees are flowers.

Conclusions:
(I) Some trees are rocks.
(II) Some pens are flowers.

Ans

✓ A. Only conclusion (II) follows.

✗ B. Neither conclusion (I) nor (II) follows.

✗ C. Only conclusion (I) follows.

✗ D. Both conclusions (I) and (II) follow.

Q.56 **Six people M, A, T, E, R, and S are sitting around a circular table facing the centre. S sits to the immediate left of T. Only M sits between S and A. R sits to the immediate right of T. Who sits second to the left of E?**

Ans

✗ A. S

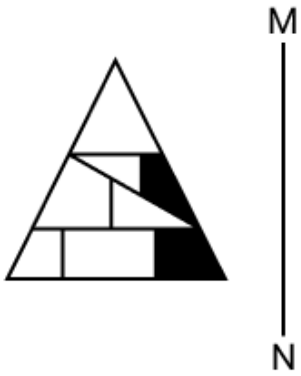
✗ B. A

✓ C. T

✗ D. E

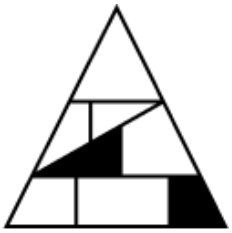
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Q.57

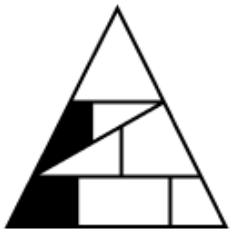


Ans

✗ A.



✓ B.



✗ C.



✗ D.



Q.58 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All mints are papers.
All papers are stones.
All stones are cutters.

Conclusions:
(I) : All mints are cutters.
(II) : Some cutters are papers.

Ans

✗ A. Neither conclusion (I) nor (II) follows

✗ B. Only conclusion (I) follows

✓ C. Both conclusions (I) and (II) follow

✗ D. Only conclusion (II) follows

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Q.59 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

FMD −2 HOH −4 JQL −8 LSP −16 ?

Ans
- ✔ A. NUT −32
- ✘ B. NVS −34
- ✘ C. NUS −34
- ✘ D. MUS −32

Q.60 **In a certain code language, 'who was it' is coded as 'pb tk jk' and 'was he present' is coded as 'jo mt pb'. How is 'was' coded in the given language?**

Ans
- ✘ A. mt
- ✔ B. pb
- ✘ C. tk
- ✘ D. jo

Q.61 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

JWD : KXD
FVQ : GWQ

Ans
- ✘ A. TCS : UDT
- ✔ B. HLO : IMO
- ✘ C. GXT : HWT
- ✘ D. DMN : FON

Q.62 **In a certain code language, 'WISE' is coded as '4268' and 'SOUP' is coded as '3879'. What is the code for 'S' in the given code language?**

Ans
- ✘ A. 3
- ✘ B. 7
- ✔ C. 8
- ✘ D. 2

Q.63 **All 41 people are standing in a row facing North. Nimita is 11th from the left end while Shivani is 19th from the right end. How many people are there between Nimita and Shivani?**

Ans
- ✘ A. 12
- ✔ B. 11
- ✘ C. 13
- ✘ D. 10

Q.64 **Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that does NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans
- ✘ A. APE
- ✔ B. SWH
- ✘ C. LAP
- ✘ D. CRG

Q.65 **In a certain code language, 'CRIME' is coded as '15432' and 'CROME' is coded as '13942'. What is the code for 'I' in the given code language?**

Ans
- ✔ A. 5
- ✘ B. 3
- ✘ C. 9
- ✘ D. 4

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Q.66 **In a certain code language,**
A + B means 'A is the brother of B'
A ? B means 'A is the father of B'
A ~ B means 'A is the daughter of B'
A × B means ' A is the wife of B'
Based on the above, how is L related to S if 'L ? I × M + E ~ S'?

Ans
✗ A. Son's wife's sister
✗ B. Son's sister's mother
✓ C. Son's wife's father
✗ D. Son's mother's mother

Q.67 **What will come in place of the question mark (?) in the following equation if '−' and '+' are interchanged and '÷' and '×' are interchanged?**

$$(13 \div 13 + 13) \times (10 - 3) = ?$$

Ans
✗ A. 26
✗ B. 13
✗ C. 98
✓ D. 12

Q.68 **This question is based on the five, three-digit numbers given below.**

(Left) 135 746 328 245 679 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

Ans
✗ A. None
✗ B. Three
✗ C. One
✓ D. Two

Q.69 **Hari starts from Point A and drives 3 km towards the south. He then takes a left turn, drives 9 km, turns left and drives 8 km. He then takes a left turn and drives 10 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
✓ A. 1 km to the east
✗ B. 3 km to the west
✗ C. 2 km to the east
✗ D. 4 km to the west

Q.70 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

RAB 20, TCD 22, VEF 24, XGH 26, ?

Ans
✗ A. YIJ 26
✗ B. ZJI 26
✗ C. YIJ 28
✓ D. ZIJ 28

Section : **General Awareness**

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Q.71 **What was the Supreme Court's ruling regarding the Lieutenant Governor's (LGs) powers in Delhi, as per the judgement given by the three-judge bench led by Chief Justice DY Chandrachud, in August 2024?**

Ans

✗ A. The LG's powers are limited to financial matters only.

✓ B. The LG has the authority to nominate members to the MCD independently.

✗ C. The LG must always act on the advice of the Delhi government.

✗ D. The Delhi government has the final say in all LG appointments.

Q.72 **The British victory in the Revolt of 1857 led to:**

Ans

✗ A. full independence for India

✗ B. the formation of Indian states under British sovereignty

✓ C. reorganisation of Indian territories and administration

✗ D. end of British rule in India

Q.73 **Which of the following statements is/are correct?**

Statement I: Rain-bearing systems originating in the Bay of Bengal cause rainfall over the plains of North India.
Statement II: Arabian Sea rain-bearing systems bring rain to the west coast of India.

Ans

✗ A. Statement II is correct, while statement I is incorrect.

✓ B. Both statement I and statement II are correct.

✗ C. Statement I is correct, while statement II is incorrect.

✗ D. Neither statement I nor statement II is correct.

Q.74 **The 95th Amendment Act of 2009 extended the reservation of seats in the Lok Sabha and State Legislative Assemblies for which categories of citizens?**

Ans

✗ A. Other Backward Classes (OBC)

✗ B. Minorities

✓ C. Scheduled Castes and Scheduled Tribes (SC/ST)

✗ D. Women

Q.75 **When did Pratibha Patil assume the office of President of India and become the first woman to hold this post?**

Ans

✗ A. 2009

✓ B. 2007

✗ C. 2001

✗ D. 2004

Q.76 **The 7th Amendment Act of the Indian Constitution, 1956, primarily dealt with the reorganisation of states based on what criteria?**

Ans

✗ A. Cultural basis

✓ B. Linguistic basis

✗ C. Economic basis

✗ D. Geographical basis

Q.77 **When was the third Civil Society Forum of the EU-UK Trade and Cooperation Agreement held?**

Ans

✓ A. September 2024

✗ B. August 2024

✗ C. October 2024

✗ D. November 2024

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Q.78 **In 1947, who was the only female Cabinet Minister in the Government led by Prime Minister Jawaharlal Nehru?**

Ans

✗ A. Rajinder Kaur Bhattal

✓ B. Rajkumari Amrit Kaur

✗ C. Harsimrat Kaur Badal

✗ D. Bimal Kaur Khalsa

Q.79 **Which organisation provided financial support to India during the 1991 economic crisis?**

Ans

✗ A. United Nations

✗ B. Asian Development Bank

✓ C. International Monetary Fund

✗ D. World Trade Organization

Q.80 **Who among the following waged a war against the East India Company in 1857 from the Ludhiana district in Punjab?**

Ans

✓ A. Maulana Shah Abdul Qadir

✗ B. Lakshmi Bai

✗ C. Khan Bahadur Khan

✗ D. Nana Saheb

Q.81 **Which of the following countries celebrated the ninth anniversary of Constitution Declaration in September 2024?**

Ans

✓ A. Nepal

✗ B. Bhutan

✗ C. Finland

✗ D. Poland

Q.82 **What is the tenure of the 'Vijay Fixed Deposits' scheme introduced by RBL Bank in 2024?**

Ans

✗ A. 1000 days

✗ B. 1 year

✗ C. 365 days

✓ D. 500 days

Q.83 **Which of the following islands lies in Lakshadweep?**

Ans

✗ A. Purbasha

✓ B. Pitti Island

✗ C. Rameswaram

✗ D. New Moore

Q.84 **The brightest and largest fringe in the centre of an interference pattern is known as:**

Ans

✓ A. central maximum

✗ B. constructive interference

✗ C. coherence

✗ D. destructive interference

Q.85 **In India, 'Rabi' crops are sown from:**

Ans

✗ A. April to June

✗ B. January to March

✗ C. July to September

✓ D. October to December

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Q.86 **Which of the following is NOT a constitutional body?**

Ans

✗ A. Union Public Service Commission

✗ B. Election Commission of India

✓ C. National Green Tribunal

✗ D. Comptroller and Auditor General of India

Q.87 **What is the main benefit of the name look-up facility, introduced by the Reserve Bank of India for RTGS and NEFT systems?**

Ans

✗ A. Introduction of new banking apps

✗ B. Faster transaction processing

✗ C. Free transactions for all users

✓ D. Verification of the beneficiary's name to reduce errors and fraud

Q.88 **Which of the following statements is true regarding the lending rates of scheduled commercial banks (SCBs) in September 2024, in India?**

Ans

✗ A. The weighted average lending rate decreased for outstanding loans and remained unchanged for fresh loans.

✗ B. The weighted average lending rate remained unchanged for both fresh and outstanding loans.

✓ C. The weighted average lending rate decreased for fresh loans and remained unchanged for outstanding loans.

✗ D. The weighted average lending rate increased for both fresh and outstanding loans.

Q.89 **Adiabatic compression of an ideal gas results in _____.**

Ans

✗ A. decrease in heat flow

✗ B. fall in temperature

✓ C. increase in temperature

✗ D. no work done

Q.90 **India's first helicopter ambulance service, Project _____, was launched on 29 October 2024.**

Ans

✗ A. Navbharatrani

✓ B. Sanjeevani

✗ C. Bharatvani

✗ D. Amritvahini

Q.91 **In May 2024, Tejas Shirse clocked 13.41 seconds to break the national record in which event at the Motonet GP – a World Athletics Continental Tour – in Jyvaskyla, Finland?**

Ans

✗ A. Men’s 3000 m steeplechase

✗ B. Men’s 4×100 m relay

✓ C. Men’s 110 m hurdles

✗ D. Men's 5000 m

Q.92 **According to the World Intellectual Property Indicators (WIPI) 2024 report, what is India's rank globally in terms of patents with 64,480 applications?**

Ans

✗ A. Ninth

✗ B. Second

✗ C. Fourth

✓ D. Sixth

Q.93 **UPI-based digital RuPay Credit Card was first introduced by _____.**

Ans

✓ A. IDFC First Bank

✗ B. IDBI Bank

✗ C. Punjab National Bank

✗ D. Bank of Baroda

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Q.94 **Hooke's law establishes the relationship between which two physical quantities in elastic materials?**

Ans
- ✔ A. Stress and strain
- ✘ B. Force and velocity
- ✘ C. Temperature and resistance
- ✘ D. Pressure and volume

Q.95 **Which city is known as the 'Silicon Valley of India'?**

Ans
- ✘ A. Chennai
- ✘ B. Pune
- ✔ C. Bengaluru
- ✘ D. Hyderabad

Q.96 **When did Mahatma Gandhi leave for England to participate in the Second Round Table Conference?**

Ans
- ✔ A. 1931
- ✘ B. 1930
- ✘ C. 1929
- ✘ D. 1928

Q.97 **As of 30 October 2024, who is the Governor of RBI?**

Ans
- ✘ A. Dr. Bimal Jalan
- ✘ B. Urjit Patel
- ✘ C. Dr. IG Patel
- ✔ D. Shaktikanta Das

Q.98 **Who among the following headed the Advisory Committee on Fundamental Rights, Minorities and Tribal and Excluded Areas under Constituent Assembly?**

Ans
- ✔ A. Sardar Vallabhbhai Patel
- ✘ B. Jawaharlal Nehru
- ✘ C. Dr B R Ambedkar
- ✘ D. JB Kripalani

Q.99 **Which of these religious literature was NOT written by Goswami Tulsidas?**

Ans
- ✔ A. Surasaravali
- ✘ B. Hanuman Bahuk
- ✘ C. Ramcharitmanas
- ✘ D. Vinay Patrika

Q.100 **Which Schedule of the Constitution of India deals with the allocation of seats in the Rajya Sabha to states and union territories?**

Ans
- ✔ A. Fourth Schedule
- ✘ B. Sixth Schedule
- ✘ C. Seventh Schedule
- ✘ D. Eighth Schedule

Q.101 **Which Five-Year Plan emphasised the development of heavy industries and the secondary sector?**

Ans
- ✔ A. Second Five-Year Plan
- ✘ B. Third Five-Year Plan
- ✘ C. First Five-Year Plan
- ✘ D. Fourth Five-Year Plan

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Q.102 **According to the Indian Constitution, which of the following is NOT the function of the Union Public Service Commission?**

Ans

✔ A. To advise on selection for the posts of high diplomatic nature

✘ B. To advise on the suitability of candidates for appointment, promotion and transfer

✘ C. To advise on claims of legal proceedings instituted against a government servant

✘ D. To advise on disciplinary matters affecting government servants

Q.103 **Which of these festivals is considered the most sacred Buddhist festival, commemorating the birth, enlightenment and Mahaparinirvana (passing away) of Buddha Shakyamuni?**

Ans

✘ A. Sangken

✔ B. Saga Dawa

✘ C. Ojiyale

✘ D. Tamladu

Q.104 **In February 2024, the INDUS-X Summit was held in New Delhi, marking a significant milestone in the collaborative efforts in defence innovation between ____.**

Ans

✘ A. Brazil, India, Russia and China

✘ B. India and Russia

✘ C. India and Germany

✔ D. India and the United States

Q.105 **Who among the following propagated the motto 'Back to the Vedas' because he believed that the Vedas contained the knowledge imparted to men by God?**

Ans

✔ A. Swami Dayanand Saraswati

✘ B. E Ramaswamy Naiker Periyar

✘ C. Swami Vivekananda

✘ D. Mahatma Gandhi

Q.106 **If $y = 10^{x/z}$ and x has the unit of cm, the unit of z will be ____. x, y and z indicate length.**

Ans

✘ A. 1. cm^{-1}

✔ B. cm

✘ C. 3. cm^{2}

✘ D. 4. cm^{-2}

Q.107 **What does globalisation primarily involve?**

Ans

✘ A. Isolation of countries from global trade

✘ B. Restricting foreign goods

✘ C. Decreasing communication between nations

✔ D. Integration of the world economy through trade, technology and investment

Q.108 **Which are the three main sector classifications of the Indian economy?**

Ans

✘ A. Agriculture, Finance, Technology

✘ B. Farming, Manufacturing, Trade

✘ C. Agriculture, Industry, Services

✔ D. Primary, Secondary, Tertiary

Q.109 **Many gums are used in the food industry as thickening agents or emulsion stabilisers, it mainly contain _____.**

Ans

✔ A. polysaccharides

✘ B. fats

✘ C. sugars

✘ D. polypeptides

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Q.110 The Ganga Plain extends between the _____ and Teesta rivers.

Ans

✗ A. Mahi

✗ B. Narmada

✗ C. Son

✓ D. Ghaggar

Q.111 Who took charge as the new Chairperson of the National Commission for Women (NCW) on 22nd October 2024, after being appointed earlier?

Ans

✗ A. Pratibha Patil

✗ B. Mamta Sharma

✓ C. Vijaya K Rahatkar

✗ D. Rekha Sharma

Q.112 Pulicat Lake, a brackish water lagoon, is situated between which two states?

Ans

✗ A. Kerala and Karnataka

✗ B. Odisha and West Bengal

✗ C. Gujarat and Maharashtra

✓ D. Andhra Pradesh and Tamil Nadu

Q.113 Which of the following states has the lowest legislative assembly strength of 32 members?

Ans

✓ A. Sikkim

✗ B. Mizoram

✗ C. Arunachal Pradesh

✗ D. Goa

Q.114 What was a major outcome of the Green Revolution in India?

Ans

✗ A. Decrease in agricultural employment

✗ B. Rise in export of traditional crops

✗ C. Urbanisation of rural areas

✓ D. Increase in food security

Q.115 M-Prabandh, launched by C-DAC Hyderabad in February 2024, helps organisations reduce the risk of:

Ans

✗ A. adverse climate

✗ B. network congestion

✓ C. data breaches and theft

✗ D. price volatility in the market

Q.116 Who among the following thinkers introduced the Human Development Index for the first time in 1990?

Ans

✗ A. Daniel Disilva

✗ B. ArielSharon

✓ C. Mahabub-Ul-Haq

✗ D. Mohammad Yunus Khan

Q.117 In the early Vedic period, the varna system was based on _____.

Ans

✓ A. occupation

✗ B. knowledge

✗ C. birth

✗ D. religion

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Q.118 **The economy of the Harappan Civilisation was primarily based on:**

Ans

✔ A. agriculture and trade

✘ B. nomadic herding

✘ C. fishing and hunting

✘ D. metalworking and shipbuilding

Q.119 **According to Economic Survey of India 2023-24, which is the largest cotton producing state of India?**

Ans

✘ A. Bihar

✘ B. Assam

✔ C. Gujarat

✘ D. Odisha

Q.120 **For how many days is the Goa Carnival organised, where elaborate and brilliantly coloured floats, music and dancing form part of the Carnival extravaganza in Goa?**

Ans

✘ A. Six

✘ B. Five

✘ C. Three

✔ D. Four

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	05/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A car travels 281 km in the first hour and 163 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?**

Ans
- ✗ A. 229
- ✗ B. 223
- ✗ C. 215
- ✓ D. 222

Q.2 **If the radius of the base of a right circular cylinder is decreased by 20% and its height is increased by 134%, then what is the percentage increase (closest integer) in its volume?**

Ans
- ✓ A. 50%
- ✗ B. 52%
- ✗ C. 22%
- ✗ D. 63%

Q.3 **The base of a parallelogram is increased by 8% and height is increased by 4%. Find the net increase percentage in its area.**

Ans
- ✗ A. 12.05%
- ✗ B. 12.22%
- ✓ C. 12.32%
- ✗ D. 12.48%

Q.4 **The list price of a smart fan is ₹5,600 and it is available to a retailer at 25% discount. For how much should a retailer sell it to gain 15%?**

Ans
- ✗ A. ₹4,890
- ✓ B. ₹4,830
- ✗ C. ₹4,850
- ✗ D. ₹4,875

Q.5 **If 81 : y :: y : 196, find the positive value of y.**

Ans
- ✗ A. 132
- ✓ B. 126
- ✗ C. 134
- ✗ D. 128

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Q.6 The ages of Deeksha and Amit are in the ratio of 7 : 5 respectively. After 4 years the ratio of their ages will be 4 : 3. What is the difference in their present ages?

Ans

✗ A. 14

✗ B. 17

✗ C. 15

✓ D. 8

Q.7 The average of the marks of 14 students in a class is 66. If the marks of each student are doubled, find the new average?

Ans

✗ A. 14

✗ B. 66

✓ C. 132

✗ D. 28

Q.8 In what ratio should sugar costing ₹78 per kg be mixed with sugar costing ₹36 per kg so that by selling the mixture at ₹86.8 per kg, there is a profit of 24%?

Ans

✗ A. 36 : 10

✗ B. 32 : 9

✗ C. 32 : 10

✓ D. 34 : 8

Q.9 The value of

$$\sqrt{289} + \sqrt{0.0121} - \sqrt{6.25} =$$

Ans

✗ A. 12.98

✗ B. 10.13

✗ C. 10.1

✓ D. 14.61

Q.10 Find the greatest four-digit number which is exactly divisible by 39.

Ans

✗ A. 9867

✗ B. 9906

✓ C. 9984

✗ D. 9945

Q.11 The value of the expression $\frac{1}{0.25} + \frac{2}{0.125} + \frac{4}{0.0625} - \frac{1}{0.5} - \frac{1}{0.05}$ is ____.

Ans

✓ A. 62

✗ B. 64

✗ C. 60

✗ D. 68

Q.12 A bike goes 8 meters in a second. Find its speed in km/hr.

Ans

✓ A. 28.8

✗ B. 29.7

✗ C. 34.3

✗ D. 31.2

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Q.13 **5 men can complete a piece of work in 16 days while 2 women can do it in 20 days. In how many days can 4 women and 2 men complete it?**

Ans

✗ A. 5 days

✗ B. 13 days

✗ C. 4 days

✓ D. 8 days

Q.14 **At 20% per annum rate, an amount is doubled in approximately in _____ years at compound interest.**

Ans

✓ A. 4

✗ B. 5

✗ C. 3

✗ D. 2

Q.15 **If 40% of k is 10 less than 1800% of 10, then k is:**

Ans

✗ A. 385

✗ B. 405

✗ C. 465

✓ D. 425

Q.16 **The average of first 117 even numbers is**

Ans

✗ A. 117.5

✗ B. 119

✓ C. 118

✗ D. 118.5

Q.17 **In covering a distance of 56 km, Anirudh takes 5 hours more than Burhan. If Anirudh doubles his speed, then he would take 2 hour less than Burhan. Anirudh's speed is:**

Ans

✗ A. 14 km/h

✗ B. 3 km/h

✓ C. 4 km/h

✗ D. 8 km/h

Q.18 **On the marked price of an item, two successive discounts of 10% each are offered and a profit of 10% is earned. The marked price of the item is approximately ____ times its cost price.**

Ans

✗ A. 1.32

✗ B. 1.38

✗ C. 1.34

✓ D. 1.36

Q.19 **If 25% of a number is added to 78, then the result is the same number. 75% of the same number is:**

Ans

✓ A. 78

✗ B. 48

✗ C. 98

✗ D. 108

Q.20 **The product of two numbers is 5292 and their H.C.F. is 21. The number of such pairs is:**

Ans

✗ A. 1

✗ B. 4

✓ C. 2

✗ D. 3

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Q.21 **Evaluate: 41 - [21 - {11 - (16 - 4 ÷ 3 × 3)}]**

Ans

✗ A. 14

✓ B. 19

✗ C. 21

✗ D. 16

Q.22 **Evaluate: 1850 - [450 - {210 - (100 - 60 - 7)}]**

Ans

✓ A. 1577

✗ B. 1507

✗ C. 1652

✗ D. 1437

Q.23 **Find the LCM of 12, 40, 50 and 78.**

Ans

✗ A. 9200

✗ B. 3900

✓ C. 7800

✗ D. 15600

Q.24 **Kanchan bought 52 books for Rs 1130 from one shop and 47 books for Rs 905 from another. What is the average price (in Rs) he paid per book ?**

Ans

✗ A. 1038.18

✗ B. 1013.18

✓ C. 1023.18

✗ D. 1033.18

Q.25 **Find the area of a triangle, whose sides are 0.24 m, 28 cm and 32 cm.**

Ans

✗ A. $82\sqrt{15}\ \text{cm}^2$

✓ B. $84\sqrt{15}\ \text{cm}^2$

✗ C. $88\sqrt{15}\ \text{cm}^2$

✗ D. $86\sqrt{15}\ \text{cm}^2$

Q.26 **A sum, when invested at 10% simple interest per annum, amounts to ₹3360 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?**

Ans

✗ A. 1120

✗ B. 140

✓ C. 280

✗ D. 560

Q.27 **How many litres of milk with 24% concentration are to be mixed with 18 litres with 72% concentration to get a mixture with 36% concentration?**

Ans

✗ A. 56

✓ B. 54

✗ C. 48

✗ D. 52

Q.28 **A pipe can fill a tank in 9 hours. Another pipe can empty the filled tank in 12 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:**

Ans

✗ A. 48

✓ B. 24

✗ C. 96

✗ D. 72

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Q.29 **The marked price of a smart watch is ₹4,000 and during a year end sale the seller allows a discount of 75% on it. Find the selling price (in ₹) of the smart watch.**

Ans

✗ A. 1,200

✓ B. 1,000

✗ C. 1,750

✗ D. 1,500

Q.30 Two pipes can fill a tank in 30 hours and 40 hours, respectively. Find the time (in hours) taken to fill the tank when both the pipes are opened simultaneously.

Ans

✗ A. $17\frac{2}{7}$ hours

✓ B. $17\frac{1}{7}$ hours

✗ C. $17\frac{3}{7}$ hours

✗ D. $17\frac{4}{7}$ hours

Q.31 **The value of $\frac{1}{0.8} + \frac{1}{0.08} + \frac{1}{0.008} + \ldots\ldots$ up to the seventh term is ____.**

Ans

✗ A. 138888.25

✗ B. 138888.75

✗ C. 1388888.75

✓ D. 13888888.75

Q.32 **A merchant sells 60 metre of cloth and gains selling price of 15 metre. Find the gain per cent (rounded off to 1 decimal place).**

Ans

✓ A. 33.3%

✗ B. 37.3%

✗ C. 36.7%

✗ D. 33.7%

Q.33 **On what sum (in ₹) will the compound interest at 2% p.a. for 2 years compounded annually be ₹9,696?**

Ans

✗ A. 2,70,000

✓ B. 2,40,000

✗ C. 2,20,000

✗ D. 2,50,000

Q.34 **The area of the curved surface of a cone is 195π cm^2. If the slant height of the cone is 12 cm, find the radius of the base.**

Ans

✗ A. 14 cm

✗ B. 15.5 cm

✓ C. 16.25 cm

✗ D. 17 cm

Q.35 **Two trains of equal length are running on parallel lines in the same direction at speeds of 90 km/h and 51 km/h. The faster train passes the slower train in 36 seconds. The length of each train is:**

Ans

✗ A. 199 meters

✓ B. 195 meters

✗ C. 186 meters

✗ D. 207 meters

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Q.36 **Each of D, E, F, H, I, J and K has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. K has the exam on Thursday. H has the exam on one of the days after D and on one of the days before E. F has the exam on one of the days after J but on one of the days before I. J has the exam on one of the days after K. How many people have the exam between F and H?**

Ans

✗ A. One

✗ B. Four

✓ C. Three

✗ D. Two

Q.37 **In a certain code language, 'YAXV' is coded as '@%93' and 'ABXY' is coded as '9@%5'.What is the code for 'B' in the given code language?**

Ans

✗ A. 9

✗ B. @

✓ C. 5

✗ D. %

Q.38 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans

✗ A. AQG

✗ B. SIY

✗ C. HXN

✓ D. DTI

Q.39 **In a certain code language,**
A $ B means 'A is the son of B'
A : B means 'A is the father of B'
A + B means ' A is the wife of B'
A < B means 'A is the sister of B'
Based on the above, how is T related to N if 'T < R $ U + E : N'?

Ans

✗ A. Brother

✗ B. Mother

✗ C. Father

✓ D. Sister

Q.40 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

JNR -1, LPO -2, NRL -4, ?, RVF -16

Ans

✗ A. QRT -9

✓ B. PTI -8

✗ C. IJT -6

✗ D. TOR -7

Q.41 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans

✗ A. SUP

✗ B. EGB

✗ C. JLG

✓ D. PMJ

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Q.42 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?
25 A 5 B 1 C 4 D 2 = ?

Ans
- ✔ A. 7
- ✘ B. 3
- ✘ C. 10
- ✘ D. 5

Q.43 DMQH is related to BOSF in a certain way based on the English alphabetical order. In the same way, WARU is related to UCTS. To which of the following is FTYB related, following the same logic?

Ans
- ✘ A. CWBA
- ✔ B. DVAZ
- ✘ C. BVXY
- ✘ D. BUCX

Q.44 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 62478324, then what will be the difference between the highest and the lowest digits in the number thus formed?

Ans
- ✘ A. 4
- ✔ B. 8
- ✘ C. 2
- ✘ D. 6

Q.45 This question is based on the five, three-digit numbers given below.

(Left) 318 136 253 713 572 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the lowest number is added to the second digit of the highest number?

Ans
- ✘ A. 6
- ✘ B. 8
- ✔ C. 7
- ✘ D. 9

Q.46 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 7873262, what will be the sum of the digits that are third and fourth from the left in the new number thus formed?

Ans
- ✘ A. 10
- ✘ B. 16
- ✘ C. 18
- ✔ D. 12

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Q.47 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
All cakes are breads.
All cakes are pastries.

Conclusions:
(I) Some breads are pastries.
(II) All pastries are cakes.

Ans

✔ A. Only conclusion (I) follows.

✘ B. Neither conclusion (I) nor (II) follows.

✘ C. Only conclusion (II) follows.

✘ D. Both conclusions (I) and (II) follow.

Q.48 **What should come in place of the question mark (?) in the given series?**

6 4 5 11 39 ?

Ans

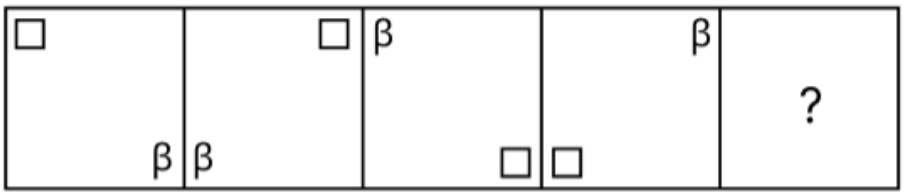
✘ A. 187

✘ B. 188

✘ C. 186

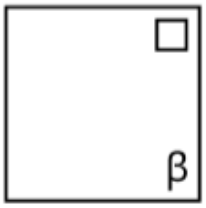
✔ D. 189

Q.49

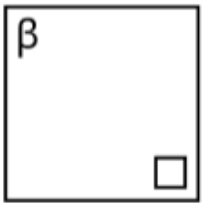


Ans

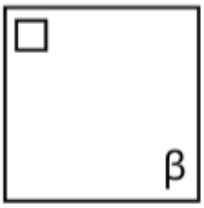
✘ A.



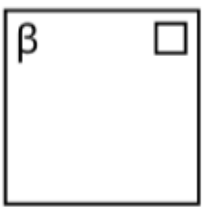
✘ B.



✔ C.



✘ D.



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Q.50 **Each letter in the word SEATING is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the left in the letter-cluster thus formed?**

Ans

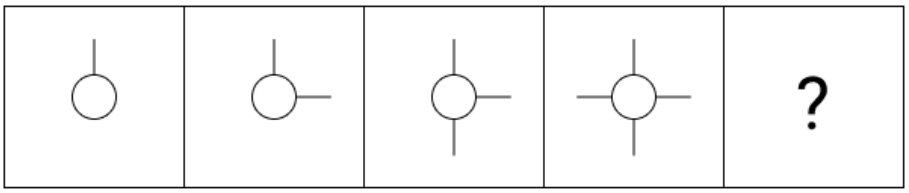
✗ A. J

✓ B. H

✗ C. O

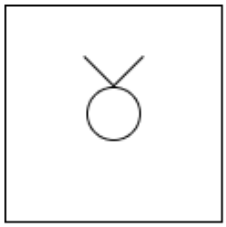
✗ D. F

Q.51

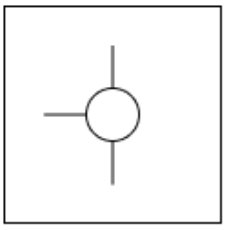


Ans

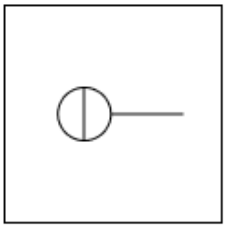
✗ A.



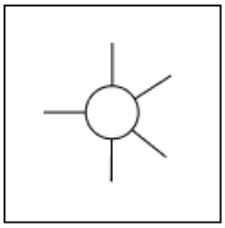
✗ B.



✗ C.



✓ D.



Q.52 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some peanuts are engines.
All coats are shoes.
All shoes are engines.

Conclusions:
(I) All coats are engines.
(II) Some peanuts are coats.

Ans

✓ A. Only conclusion (I) follows.

✗ B. Neither conclusion (I) nor (II) follows.

✗ C. Both conclusions (I) and (II) follow.

✗ D. Only conclusion (II) follows.

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Q.53 **This question is based on the five, three-digit numbers given below.**

(Left) 458 652 748 351 591 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is multiplied with the third digit of the lowest number?

Ans

✗ A. 9

✗ B. 5

✓ C. 8

✗ D. 7

Q.54 **Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)**
(Left) 9 7 * 8 6 4 = 3 1 4 @ 5 8 # 2 9 % 3 6 8 7 & 1 3 + 4 5 (Right)
How many such symbols are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

Ans

✗ A. Three

✗ B. None

✓ C. Two

✗ D. One

Q.55 **Mr. Z starts from Point A and drives 3 km towards the west. He then takes a right turn, drives 2 km, turns right and drives 4 km. He then takes a right turn and drives 3 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✗ A. 2 km towards the west

✗ B. 1 km towards the south

✗ C. 3 km towards the east

✓ D. 1 km towards the north

Q.56 **What should come in place of the question mark (?) in the given series?**

4 9 20 43 90 ?

Ans

✓ A. 185

✗ B. 190

✗ C. 158

✗ D. 175

Q.57 **In three of the following four number pairs, the numbers are related in the same way and thus form a group. Which number pair DOES NOT belong to that group?**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans

✗ A. 3 : 12

✗ B. 10 : 110

✓ C. 8 : 70

✗ D. 5 : 30

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Q.58 **A, B, C, D, and E are sitting around a circular table facing the centre. B sits second right to A. E is immediate left neighbour of A. C sits second right to E.**
What is the position of D with respect to B?

Ans
- ✗ A. Second from the left
- ✗ B. Second from the right
- ✗ C. Third from the left
- ✓ D. Immediate neighbour

Q.59 **In a certain code language,**
A = B means 'A is the brother of B',
A ~ B means 'A is the father of B',
A + B means 'A is the wife of B',
A - B means 'A is the mother of B'.

Based on the above, how is S related to H if 'S = M + I ~ T - H'?

Ans
- ✗ A. Mother's father's sister
- ✗ B. Mother's mother's son
- ✓ C. Mother's mother's brother
- ✗ D. Mother's sister's mother

Q.60 **In a certain code language, 'finish the water' is coded as 'mb tk zb' and 'water or juice' is coded as 'kj zb mb'. How is 'water' coded in the given language?**

Ans
- ✗ A. tk
- ✗ B. kj
- ✓ C. zb
- ✗ D. mb

Q.61 **What should come in place of the question mark (?) in the given series?**

121 32 −57 −146 −235 ?

Ans
- ✗ A. −334
- ✗ B. −342
- ✗ C. −289
- ✓ D. −324

Q.62 **Each of D, E, F, H, I, J and K has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. K has the exam on Thursday and E has the exam on Saturday. H has the exam immediately before I. F has the exam on one of the days after J. D has the exam immediately after I. How many people have the exam between F and D?**

Ans
- ✓ A. Three
- ✗ B. Two
- ✗ C. One
- ✗ D. Four

Q.63 **In a certain code language, 'WILD' is coded as '3721' and 'LIDS' is coded as '1873'. What is the code for 'S' in the given code language?**

Ans
- ✗ A. 1
- ✗ B. 3
- ✓ C. 8
- ✗ D. 7

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Q.64 **7A is related to 6B in a certain way. In the same way, 5C is related to 4D. To which of the following is 3E related, following the same logic?**

Ans

✗ A. 3F

✗ B. 4F

✓ C. 2F

✗ D. 1E

Q.65 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

TYH RVG PSF ? LMD

Ans

✗ A. MGN

✗ B. NQF

✓ C. NPE

✗ D. MQE

Q.66 **ADFJ is related to CFHL in a certain way based on the English alphabetical order. In the same way, EBKM is related to GDMO. To which of the given options is HLPX related, following the same logic?**

Ans

✗ A. XPHL

✓ B. JNRZ

✗ C. GKOW

✗ D. KOSA

Q.67 **Mridul starts from Point A and drives 17 km towards the west. He then takes a left turn, drives 15 km, turns left and drives 20 km. He then takes a left turn and drives 22 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✗ A. 8 km to the north

✗ B. 5 km to the south

✗ C. 6 km to the south

✓ D. 7 km to the south

Q.68 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some belts are socks.
Some socks are pants.

Conclusions:
(I) All pants are belts.
(II) Some socks are belts.

Ans

✗ A. Neither conclusion (I) nor (II) follows.

✗ B. Both conclusions (I) and (II) follow.

✓ C. Only conclusion (II) follows.

✗ D. Only conclusion (I) follows.

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Q.69 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

EON HMO KKP NIQ ?

Ans

✗ A. PGS

✗ B. PGT

✓ C. QGR

✗ D. QFR

Q.70 **A, B, C, D, E, F and G are sitting around a circular table, facing the centre. B sits third to the right of E. C sits second to the left of B. F is the immediate neighbour of D and G. A sits second to the left of D.**
How many people sit between G and C when counted from the left of G?

Ans

✗ A. Three

✗ B. Two

✓ C. Four

✗ D. One

Section : **General Awareness**

Q.71 **According to the Gandhian view of Development, which of the following is the focal point of economic development?**

Ans

✗ A. Government

✗ B. Family

✗ C. Individual

✓ D. Village

Q.72 **According to the World Bank's India Development Update, what is India's projected GDP growth rate for FY 2024-25?**

Ans

✗ A. 6.5%

✓ B. 7%

✗ C. 8%

✗ D. 5%

Q.73 **Which of the following regions of India receives less than 50 cm rainfall?**

Ans

✓ A. Western Rajasthan

✗ B. Eastern Odisha

✗ C. Eastern Madhya Pradesh

✗ D. Western Bihar

Q.74 **Which type of cultivation mainly involves the use of high-yielding variety (HYV) seeds, chemical fertilisers, insecticides and pesticides to obtain higher productivity?**

Ans

✗ A. Intensive Subsistence Farming

✓ B. Commercial Farming

✗ C. Dryland Farming

✗ D. Primitive Subsistence Farming

Q.75 **Which of the following south Indian states won the prestigious Gulbenkian Prize in 2024 for their Natural farming model?**

Ans

✗ A. Kerala

✗ B. Tamil Nadu

✗ C. Karnataka

✓ D. Andhra Pradesh

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Q.76 **The provision for the establishment of an inter-state council to promote co-operative federalism is found under which Article of the Indian constitution?**

Ans

✔ A. Article 263

✘ B. Article 256

✘ C. Article 270

✘ D. Article 275

Q.77 **With which organizations did Small Industries Development Bank of India (SIDBI) and Women's World Banking (WWB) sign an MoU to extend the Prayaas scheme to SHG individual women in April 2024?**

Ans

✘ A. Ministry of Women and Child Development and Ministry of Rural Development, Government of India

✘ B. Suvidha, Gujarat State Rural Livelihoods Mission and Ministry of Rural Development, Government of Gujarat

✔ C. Jeevika, Bihar State Rural Livelihoods Mission and UMED, Maharashtra State Rural Livelihoods Mission

✘ D. Advait, Kerala State Rural Livelihoods Mission and RUDSET, Karnataka State Rural Livelihoods Mission

Q.78 **One of the primary goals of the New Economic Policy of 1991 was to control which of the following?**

Ans

✘ A. Environmental issues

✔ B. Inflation

✘ C. Population growth

✘ D. Regional imbalances

Q.79 **Which region of British India did most of the soldiers who participated in the revolt of 1857 come from?**

Ans

✘ A. Kanpur

✘ B. Jhansi

✘ C. Bareilly

✔ D. Awadh

Q.80 **The Department of Atomic Energy (DAE) inaugurated Asia's largest and the world's highest Imaging Cherenkov Observatory named as 'Major Atmospheric Cherenkov Experiment (MACE)' at which place in October 2024?**

Ans

✘ A. Udhampur

✘ B. Shillong

✘ C. Tawang

✔ D. Ladakh

Q.81 **Who among the following from the modern-day Rampur district of Uttar Pradesh played an important role in bringing Indian Muslims into the Non-cooperation Movement?**

Ans

✘ A. Maulvi Liaqat Ali

✘ B. Abdul Haq Azmi

✔ C. Shaukat Ali

✘ D. Badruddin Tyabji

Q.82 **On which date was Narendra Modi sworn-in as India's Prime Minister for the third time, following 2024 Parliamentary elections?**

Ans

✘ A. 1 June 2024

✘ B. 6 June 2024

✔ C. 9 June 2024

✘ D. 16 June 2024

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Q.83 **In October 2024, the Uttar Pradesh government launched a scholarship scheme for students studying which language across the state?**

Ans

✗ A. Pali

✗ B. Urdu

✓ C. Sanskrit

✗ D. Hindi

Q.84 **According to the Economic Survey 2024, the Indian economy is described as being on a 'strong wicket'. What does this imply?**

Ans

✗ A. Growth has slowed significantly

✗ B. Increasing dependence on foreign investment

✗ C. High inflation rates

✓ D. Resilience and stability despite challenges

Q.85 **India's longitudinal extent is from:**

Ans

✓ A. 68°7' E to 97°25' E

✗ B. 65° E to 98° E

✗ C. 72° E to 95° E

✗ D. 70° E to 100° E

Q.86 **In the summer season (around mid-July), the surface low-pressure belt, known as the Inter-Tropical Convergence Zone (ITCZ), shifts northward to lie roughly parallel to the Himalayas between _____.**

Ans

✓ A. 20° N and 25° N

✗ B. 15° N and 20° N

✗ C. 10° N and 15° N

✗ D. 25° N and 30° N

Q.87 **Which of the following U.S. departments is collaborating with India for the INDUS-X Summit 2024?**

Ans

✓ A. Department of Defence

✗ B. Department of Homeland Security

✗ C. Department of Commerce

✗ D. Department of Energy

Q.88 **The Drain Theory, highlighting economic exploitation by the British, was popularised by:**

Ans

✗ A. Mahatma Gandhi

✗ B. Bal Gangadhar Tilak

✓ C. Dadabhai Naoroji

✗ D. Lala Lajpat Rai

Q.89 **The revolt of 1857 was seen as a turning point because it:**

Ans

✓ A. marked the first large-scale organised resistance against the British rule in India

✗ B. led to the fall of the British Empire

✗ C. led to immediate independence for India

✗ D. was entirely peaceful

Q.90 **The President of India is elected by:**

Ans

✗ A. State Governors

✓ B. members of the electoral college

✗ C. members of the Rajya Sabha only

✗ D. direct vote of the people

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Q.91 **In which state is the Omkareshwar Floating Solar Project located?**

Ans

✗ A. Tamil Nadu

✗ B. Maharashtra

✗ C. Karnataka

✓ D. Madhya Pradesh

Q.92 **ICICI Bank's net interest margin (NIM) in Q3 2024 was _____.**

Ans

✗ A. 4.65%

✗ B. 4.35%

✗ C. 4.53%

✓ D. 4.43%

Q.93 **Which of the following age durations is considered as Early Adulthood stage of human life?**

Ans

✓ A. Starts around 18 years until 25 years

✗ B. Starts at 6 years and continues till the onset of puberty

✗ C. Begins with the onset of puberty until 18 years

✗ D. Starts around 25 years until around 45 years

Q.94 **Who among the following became the first-ever Norway chess women champion at the Norway Chess super-tournament which concluded on 7 June 2024?**

Ans

✗ A. Viktorija Ni

✗ B. Monika Machlik

✗ C. Nina Hagesather

✓ D. Ju Wenjun

Q.95 **Which of the following statements best describes India's foreign trade during the colonial period?**

Ans

✓ A. India's trade was largely controlled by Britain, with limited trade with other nations like Sri Lanka, China and Iran.

✗ B. India primarily traded with European nations other than Britain.

✗ C. India imported raw materials and exported finished goods.

✗ D. India's foreign trade greatly benefited the economy and eliminated shortages of essential goods.

Q.96 **In the Indus Valley Civilisation, Great Bath was found at which place?**

Ans

✗ A. Surkotada

✗ B. Ganweriwala

✓ C. Mohenjo-Daro

✗ D. Daimabad

Q.97 **Which of the following is considered as the first garden-tomb on the Indian subcontinent?**

Ans

✗ A. Isa Khan's Tomb

✗ B. Sikandar Lodi's Tomb

✗ C. Safdarjung's Tomb

✓ D. Humayun's Tomb

Q.98 **The Eighth Schedule of the Indian Constitution states which of the following?**

Ans

✗ A. Validation of certain Acts and Regulations

✓ B. Official languages

✗ C. Powers, authority and responsibilities of Panchayats

✗ D. Forms of oaths or affirmations

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Q.99 **Saccharomyces cerevisiae is the scientific name of which of the following?**

Ans

✗ A. A type of bacteria

✗ B. A species of amoeba

✗ C. A type of virus

✓ D. A species of yeast

Q.100 **Under which Article of the Constitution can the President of India direct that the provisions related to the Public Service Commissions be extended to any Union Territory?**

Ans

✗ A. Article 335

✗ B. Article 323

✗ C. Article 315

✓ D. Article 321

Q.101 **What is the primary purpose of pasteurisation in food processing?**

Ans

✗ A. To increase nutritional value

✗ B. To enhance flavour

✓ C. To kill harmful microorganisms

✗ D. To improve texture

Q.102 **Which of the following Articles of the Indian Constitution deals with the status of the Council of Ministers?**

Ans

✗ A. Article 78

✓ B. Article 74

✗ C. Article 76

✗ D. Article 72

Q.103 **Who among the following was felicitated with the Best Male award at the FIDE 100 Awards ceremony in Hungary in September 2024?**

Ans

✗ A. Fabiano Caruana

✓ B. Magnus Carlsen

✗ C. Gukesh Dommaraju

✗ D. Hikaru Nakamura

Q.104 **Article 39 of the Constitution directs the State to secure which of the following?**

Ans

✗ A. State to secure a social order

✗ B. Equal pay for equal work

✓ C. Right to privacy

✗ D. Right to work

Q.105 **Who translated 'The Mahabharat' called 'Razmnama' into Persian language, during the Mughal Period?**

Ans

✗ A. Abdul Rahim Khan

✗ B. Dara Sikoh

✗ C. Faizi

✓ D. Abul Fazl

Q.106 **What is the name given to the Bharat Operating System Solutions (BOSS) GNU/Linux version 10.0, which was released in March 2024?**

Ans

✗ A. Urja

✗ B. Unnati

✗ C. Drishti

✓ D. Pragya

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Q.107 Which of the following statements about vitamins is correct?

Ans

✗ A. All essential vitamins can be synthesised in large quantities by the human body.

✗ B. Vitamins are a primary source of energy for the body.

✓ C. Vitamins are organic compounds required in small amounts for various bodily functions.

✗ D. Vitamins are inorganic compounds needed in large amounts for normal metabolism.

Q.108 What is the relationship between poverty and unemployment?

Ans

✗ A. Poverty reduces unemployment.

✗ B. Unemployment leads to wealth redistribution.

✓ C. Unemployment often leads to higher poverty levels due to lack of income.

✗ D. Poverty and unemployment are unrelated.

Q.109 In which year did the British East India Company lose all its administrative powers in India?

Ans

✗ A. 1873

✗ B. 1877

✗ C. 1847

✓ D. 1858

Q.110 The National Consumer Disputes Redressal Commission (NCDRC) operates under which Act?

Ans

✗ A. Consumer Disputes Act, 1992

✗ B. Consumer Rights Act, 1987

✗ C. Consumer Protection Act, 1991

✓ D. Consumer Protection Act, 1986

Q.111 What is globalisation?

Ans

✗ A. An increase in cultural isolation

✗ B. A political alliance between countries

✓ C. Integration of economies worldwide

✗ D. Decline in international trade

Q.112 Which pigment is primarily responsible for absorbing light energy during the process of photosynthesis in plants?

Ans

✓ A. Chlorophyll

✗ B. Anthocyanin

✗ C. Tannins

✗ D. Betalain

Q.113 In June 2024, who was sworn in as the Chief Minister of Andhra Pradesh for the fourth time?

Ans

✗ A. YS Jagan Mohan Reddy

✗ B. N Kiran Kumar Reddy

✓ C. Chandrababu Naidu

✗ D. DK Shivkumar

Q.114 The basin found at the Lothal site of the Indus Valley Civilisation is located in which present Indian state?

Ans

✓ A. Gujarat

✗ B. Punjab

✗ C. Haryana

✗ D. Rajasthan

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Q.115 Which edition of the South Asian Junior Athletics Championships was held at the Jawaharlal Nehru Stadium, Chennai from 11-13 September 2024?

Ans

✔ A. 1. 4th

✘ B. 2. 7th

✘ C. 3. 3rd

✘ D. 4. 5th

Q.116 Name the author who has authored Tamil Grammar Book, Agattiyam (Akattiyam).

Ans

✘ A. Mutattamakkanniyar

✘ B. Narrattanar

✔ C. Agattiar(Agastya)

✘ D. Kapilar

Q.117 As of end-March 2024, what was the total quantity of gold held by the Reserve Bank of India?

Ans

✘ A. 387.26 metric tonnes

✔ B. 822.10 metric tonnes

✘ C. 408.31 metric tonnes

✘ D. 265.53 metric tonnes

Q.118 Which of the following states has the Sundarbans mangrove forest?

Ans

✘ A. Odisha

✘ B. Kerala

✘ C. Gujarat

✔ D. West Bengal

Q.119 The Oersted unit is used to measure which of the following?

Ans

✘ A. Electric potential

✘ B. Current intensity

✘ C. Electric field strength

✔ D. Magnetic field strength

Q.120 In how many tone scale are all the known ragas grouped?

Ans

✔ A. 12

✘ B. 10

✘ C. 6

✘ D. 14

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	06/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 129. Find the average of the remaining two numbers?**

Ans
- ✔ A. 185
- ✘ B. 186
- ✘ C. 208
- ✘ D. 207

Q.2 **A dealer sells his goods at 22% loss on cost price but uses 44% less weight. What is his percentage profit or loss?**

Ans
- ✘ A. $39\frac{5}{7}\%$
- ✔ B. $39\frac{2}{7}\%$
- ✘ C. $39\frac{4}{7}\%$
- ✘ D. $39\frac{3}{7}\%$

Q.3 $(73^{53} + 83^{53})$ is divisible by:

Ans
- ✘ A. 154
- ✔ B. 156
- ✘ C. 152
- ✘ D. 150

Q.4 **The single discount on some amount which is equivalent to successive discounts of 10%, 20% and 28% on the same amount is equal to:**

Ans
- ✘ A. 38.16%
- ✔ B. 48.16%
- ✘ C. 50%
- ✘ D. 48.32%

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Q.5 At what rate per cent of compound interest will a sum of ₹2,000 amount to ₹4,394 in 3 years?

Ans
- ✗ A. 20
- ✗ B. 35
- ✓ C. 30
- ✗ D. 25

Q.6 If the length, breath and height of room are 25 m, 15 m and 30 m, respectively, then what will be the area (in m^2) of the four walls of the room?

Ans
- ✗ A. 1200
- ✗ B. 1600
- ✗ C. 2000
- ✓ D. 2400

Q.7 How many seconds will a boy take to run one complete round around a square field of side 19 metres, if he runs at a speed of 2 km/h?

Ans
- ✗ A. 138
- ✓ B. 136.8
- ✗ C. 144
- ✗ D. 141

Q.8 8 men can complete a piece of work in 8 days while 8 women can do it in 12 days. In how many days can 2 women and 4 men complete it?

Ans
- ✗ A. 17 days
- ✗ B. 16 days
- ✓ C. 12 days
- ✗ D. 8 days

Q.9 The average of first 102 even numbers is

Ans
- ✗ A. 104
- ✗ B. 102.5
- ✓ C. 103
- ✗ D. 103.5

Q.10 A car travels 101 km in the first hour and 55 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?

Ans
- ✗ A. 79
- ✗ B. 81
- ✗ C. 73
- ✓ D. 78

Q.11 A pipe can fill a tank in 10 hours. Due to a leak in the bottom, it fills the tank in 22.5 hours. If the tank is full, then how much time will the leak take to empty it?

Ans
- ✗ A. 19 hours
- ✗ B. 17 hours
- ✓ C. 18 hours
- ✗ D. 16 hours

Q.12 The average of the marks of 14 students in a class is 63. If the marks of each student are doubled, find the new average?

Ans
- ✓ A. 126
- ✗ B. 14
- ✗ C. 28
- ✗ D. 63

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Q.13 **Pravin can do a piece of work in 6 hours. Rishi can do it in 28 hours. With the assistance of Shan, they completed the work in 4 hours. In how many hours can Shan alone do it?**

Ans

✗ A. 23

✗ B. 20

✓ C. 21

✗ D. 22

Q.14 What is the value of x in the following equation?

$$682.84 - 107.48 = \frac{x}{50} - 125.72$$

Ans

✓ A. 70801

✗ B. 35054

✗ C. 7080.1

✗ D. 3505.4

Q.15 **Advait has to reach Kanpur which is 947 km away in 19 hours. His starting speed for 6 hours was 38 km/hr. For the next 70 km his speed was 35km/hr. By what speed he must travel now so as to reach Kanpur in decided time of 19hours?**

Ans

✗ A. 64 km/hr

✓ B. 59 km/hr

✗ C. 61 km/hr

✗ D. 60 km/hr

Q.16 **Find the HCF of 105 and 120.**

Ans

✗ A. 45

✗ B. 35

✗ C. 56

✓ D. 15

Q.17 **Saritha purchased a pre-owned sewing machine for ₹34,999 and spent ₹4,000 on repairs and ₹1,000 on transport. She sold it with 15% profit. At what price did she sell the machine?**

Ans

✓ A. ₹45,998.85

✗ B. ₹42,999.85

✗ C. ₹40,000.85

✗ D. ₹59,845.85

Q.18 **A shopkeeper has two types of rice, one costing ₹60 per kg and the other costing ₹80 per kg. He mixes them in the ratio of 3 : 2. What is the price per kg of the resulting mixture?**

Ans

✗ A. ₹64

✗ B. ₹66

✓ C. ₹68

✗ D. ₹62

Q.19 **After 63 litres of petrol was poured into an empty storage tank, it was still 10% empty. How much petrol (in litres)must be poured into the storage tank in order to fill it?**

Ans

✗ A. 71

✗ B. 69

✗ C. 64

✓ D. 70

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Q.20 The monthly income of a person is ₹7,540. If their income is increased by 20%, then what will be their new monthly income?

Ans

✗ A. ₹9,248

✗ B. ₹9,448

✓ C. ₹9,048

✗ D. ₹9,648

Q.21 Find the least possible number which when divided by 36, 49, 54 or 70 leaves remainders of 19, 32, 37 and 53, respectively.

Ans

✗ A. 26,441

✗ B. 26,446

✓ C. 26,443

✗ D. 26,447

Q.22 A number when increased by 40 %', gives 3990. The number is:

Ans

✗ A. 5700

✓ B. 2850

✗ C. 8550

✗ D. 1425

Q.23 A trader invests ₹50,000 at an annual compound interest rate of 6%. Find half of compound interest received after 3 years.

Ans

✓ A. ₹4,775.4

✗ B. ₹4,575.4

✗ C. ₹4,675.4

✗ D. ₹4,745.4

Q.24 The ages of Misha and Kamal are in the ratio of 4 : 3 respectively. After 9 years the ratio of their ages will be 7 : 6. What is the difference in their present ages?

Ans

✗ A. 2

✗ B. 13

✓ C. 3

✗ D. 12

Q.25 $10\frac{2}{3}$

Ans

✗ A. 7 litres

✗ B. 8 litres

✗ C. 9 litres

✓ D. 15 litres

Q.26 A cylindrical rod has an outer curved surface area of 8800 cm^2. If the length of the rod is 87 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$Take\ \pi = \frac{22}{7}$

Ans

✓ A. 16.09

✗ B. 17.93

✗ C. 18.84

✗ D. 16.24

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Q.27 Simplify the following.

$$\frac{0.0406 \times 5.84}{0.0146 \times 14.5 \times 1.4}$$

Ans
- ✗ A. 0.4
- ✗ B. 1.2
- ✓ C. 0.6
- ✗ D. 0.8

Q.28 **A sum, when invested at 10% simple interest per annum, amounts to ₹4560 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?**

Ans
- ✓ A. 380
- ✗ B. 1520
- ✗ C. 190
- ✗ D. 760

Q.29 $11 \times \left(5 \times (2^2)\right) \div 8 + 19 - 84$

Ans
- ✗ A. $-\frac{291}{8}$
- ✗ B. $-\frac{308}{8}$
- ✗ C. $-\frac{305}{8}$
- ✓ D. $-\frac{300}{8}$

Q.30 **A store marks the price of a pair of shoes at ₹1,200. During a sale, they offer a 10% discount, followed by an additional 5% discount on the new price. What is the final price of the shoes after both discounts?**

Ans
- ✓ A. ₹1,026
- ✗ B. ₹1,020
- ✗ C. ₹1,030
- ✗ D. ₹1,014

Q.31 **There are 7178 students in a school and the ratio of boys to girls in the school is 47 : 50, then find the number of boys in school.**

Ans
- ✗ A. 3487
- ✓ B. 3478
- ✗ C. 3485
- ✗ D. 3491

Q.32 **The value of**

$\sqrt{324} + \sqrt{0.0169} - \sqrt{6.76} =$

Ans
- ✗ A. 16.2
- ✓ B. 15.53
- ✗ C. 4.51
- ✗ D. 10.87

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Q.33 **Evaluate: 41 - [36 - {48 ÷ 2 - (4 - 12 ÷ 3) ÷ 3}]**

Ans
- ✗ A. 30
- ✓ B. 29
- ✗ C. 28
- ✗ D. 31

Q.34 **A bus travelling at 96 km/h completes a journey in 16 hours. At what speed will it have to cover the same distance in 8 hours?**

Ans
- ✓ A. 192 km/h
- ✗ B. 188 km/h
- ✗ C. 193 km/h
- ✗ D. 197 km/h

Q.35 **The length and breadth of a rectangle are 12 cm and 9 cm, respectively. Its perimeter will be:**

Ans
- ✓ A. 42 cm
- ✗ B. 6 cm
- ✗ C. 21 cm
- ✗ D. 10.5 cm

Section : **General Intelligence and Reasoning**

Q.36 **What should come in place of the question mark (?) in the given series?**

59 63 72 88 113 ?

Ans
- ✗ A. 143
- ✗ B. 146
- ✓ C. 149
- ✗ D. 159

Q.37 **Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. You have to decide which of the conclusions logically follow(s) from the given statements.**
Statements:
Some flowers are rocks.
Some rocks are plants.
Some plants are leaves.
Conclusions:
(I) No leaf is a flower.
(II) All plants are flowers.

Ans
- ✗ A. Both conclusions (I) and (II) are true
- ✓ B. Neither conclusion (I) nor (II) is true
- ✗ C. Only conclusion (II) is true
- ✗ D. Only conclusion (I) is true

Q.38 **What should come in place of the question mark (?) in the given series?**

32 40 50 62 76 ?

Ans
- ✓ A. 92
- ✗ B. 85
- ✗ C. 106
- ✗ D. 98

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Q.39 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) $ $ 3 7 3 @ * 4 > 5 & < 9 # 4 / ^ ? / > + (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by another number?

Ans

✗ A. None

✗ B. Two

✓ C. One

✗ D. Three

Q.40 **If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?**
125 ÷ 625 × 25 − 4 + 183 = ?

Ans

✓ A. 42

✗ B. 41

✗ C. 40

✗ D. 44

Q.41 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

ELJ HJM KHP NFS ?

Ans

✗ A. PEV

✗ B. PDV

✗ C. REW

✓ D. QDV

Q.42 **EHIJ is related to BEFG in a certain way based on the English alphabetical order. In the same way, MJFO is related to JGCL. To which of the given options is TMQV related, following the same logic?**

Ans

✗ A. PIMR

✗ B. MTQL

✗ C. MTQV

✓ D. QJNS

Q.43 **Refer to the following series and answer the question (all numbers are single digit numbers only).**

(Left) 1 8 7 2 2 4 9 5 3 2 3 3 8 4 7 2 5 6 7 4 9 (Right)

How many such even digits are there each of which is immediately preceded by an odd digit and also immediately followed by a perfect square?

Ans

✗ A. Three

✓ B. Two

✗ C. Four

✗ D. One

Q.44 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

HEW LCA PAE TYI ?

Ans

✓ A. XWM

✗ B. WWL

✗ C. YVN

✗ D. YXM

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Q.45 **Mr. Po starts from Point A and drives 3 km towards the east. He then takes a left turn, drives 15 km, turns left and drives 9 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✔ A. 4 km towards the north

✘ B. 4 km towards the east

✘ C. 6 km towards the south

✘ D. 6 km towards the west

Q.46 **In a certain code language, 'find the key' is coded as 'ak jo bk' and 'the train left' is coded as 'tu mt jo'. How is 'the' coded in the given language?**

Ans

✘ A. tu

✘ B. ak

✔ C. jo

✘ D. mt

Q.47



Ans

✘ A.



✘ B.



✔ C.



✘ D.



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Q.48 **In a certain code language,**
A + B means 'A is the mother of B',
A − B means 'A is the brother of B',
A × B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

How is Z related to V if 'X × Y ÷ Z × U ÷ W − V'?

Ans
- ✗ A. Husband's mother
- ✓ B. Mother
- ✗ C. Mother's mother
- ✗ D. Father's mother

Q.49 **In a certain code language, 'always he troubles' is coded as 'mo tu bk' and 'he came today' is coded as 'bk mj tk'. How is 'he' coded in the given language?**

Ans
- ✗ A. mo
- ✓ B. bk
- ✗ C. mj
- ✗ D. tu

Q.50 **V, E, R, I, F and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. Only two people live between V and Y. Only two people live between E and I. Only one person lives between F and I. F lives on floor numbered 1. V lives above I. How many people live between R and E?**

Ans
- ✓ A. One
- ✗ B. Two
- ✗ C. Three
- ✗ D. Four

Q.51 **In a certain code language,**
A @ B means 'A is the son of B',
A # B means 'A is the father of B',
A + B means 'A is the wife of B',
A * B means 'A is the brother of B'.

Based on the above, how is S related to K if 'S + T @ O # C * K'?

Ans
- ✓ A. Brother's wife
- ✗ B. Brother's brother
- ✗ C. Brother's mother
- ✗ D. Brother's sister

Q.52 **In a certain code language, '8019' is coded as 'PUQZ' and '1904' is coded as 'QUDZ'.What is the code for '4' in the given code language?**

Ans
- ✗ A. Z
- ✓ B. D
- ✗ C. Q
- ✗ D. U

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Q.53 **Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(4, 3, 24)
(7, 3, 42)

Ans
- ✗ A. (7, 5, 60)
- ✗ B. (3, 9, 51)
- ✓ C. (6, 4, 48)
- ✗ D. (2, 6, 18)

Q.54 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✓ A. JLM
- ✗ B. SUW
- ✗ C. EGI
- ✗ D. PRT

Q.55 **Jogi starts from Point A and drives 12 km towards the north. He then takes a left turn, drives 15 km, turns left and drives 13 km. He then takes a left turn and drives 16 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✗ A. 4 km to the east
- ✗ B. 2 km to the west
- ✓ C. 1 km to the west
- ✗ D. 4. 7 km to the west

Q.56 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans
- ✓ A. EBH
- ✗ B. HEJ
- ✗ C. NKP
- ✗ D. KHM

Q.57 **This question is based on the five, three-digit numbers given below.**

(Left) 768 712 783 825 874 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is multiplied with the third digit of the lowest number?

Ans
- ✗ A. 16
- ✗ B. 12
- ✗ C. 10
- ✓ D. 14

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Q.58 **A, B, C, D, E, F and G are sitting around a circular table facing the centre. D sits fourth to the right of A. E sits to the immediate left of D. B is an immediate neighbour of A. F is an immediate neighbour of both E and G. How many people sit between B and C when counted from the right of C?**

Ans

✗ A. 3

✗ B. 1

✓ C. 0

✗ D. 2

Q.59 **Chogyal ranked 19th from the top and 63rd from the bottom in his class. How many students are there in his class?**

Ans

✗ A. 82

✗ B. 80

✓ C. 81

✗ D. 79

Q.60 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All lions are tigers.
Some lions are cats.
Conclusions:
(I): All cats are lions.
(II): Some tigers are cats.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Neither conclusion (I) nor (II) follows.

✓ C. Only conclusion (II) follows.

✗ D. Only conclusion (I) follows.

Q.61 **Each group of letters in the following triads is related to the subsequent one following a certain logic. Select the option in which the triad follows the same logic.**

YALE - ALEY - LEYA
SOAP - OAPS - APSO

Ans

✗ A. GEAR - GERA - ARGE

✗ B. FEAR - EARF - AREF

✗ C. MEAN - EAMN - AMNE

✓ D. RACE - ACER - CERA

Q.62 **D, A, W, N, O, R and E are sitting around a circular table facing the centre. N sits to the immediate right of D and to the immediate left of E. Only one person sits between D and R. O sits second to the right of E. Only one person sits between R and A. Who sits to the immediate left of W?**

Ans

✗ A. D

✓ B. R

✗ C. A

✗ D. N

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Q.63 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

ETY - FUZ
CVB - DWC

Ans

✗ A. MNZ - NOC

✗ B. ALO - BMQ

✓ C. ESD - FTE

✗ D. POE - QPG

Q.64 **What should come in place of the question mark (?) in the given series?**

120 106 94 84 76 ?

Ans

✗ A. 64

✗ B. 60

✗ C. 66

✓ D. 70

Q.65 **RRead the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All clocks are bulbs.
All fingers are bulbs.

Conclusions:
(I) : No clocks are fingers.
(II) : Some bulbs are clocks.

Ans

✗ A. Both conclusions (I) and (II) follow

✗ B. Only conclusion (I) follows

✓ C. Only conclusion (II) follows

✗ D. Neither conclusion (I) nor (II) follows

Q.66 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

RG 8, NC 12.5, JY 17, FU 21.5, ?

Ans

✗ A. AQ 26

✗ B. AQ 24

✓ C. BQ 26

✗ D. BQ 24

Q.67 **If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?**
50 D 100 C 17 B 300 A 100 = ?

Ans

✗ A. 2

✓ B. 1

✗ C. 4

✗ D. 3

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Q.68 **What will come in place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?**

15 ÷ 3 − 20 × 2 + 3 = ?

Ans

✗ A. 50

✗ B. 58

✗ C. 46

✓ D. 52

Q.69 **A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. D sits third to the left of J. A sits second to the left of K. Only J sits between C and A. L is not an immediate neighbour of D. How many people sit between B and A when counted from the right of B?**

Ans

✗ A. One

✓ B. Three

✗ C. Two

✗ D. Four

Q.70

M

Uɗv Q m h 5

N

Ans

✗ A. ƧɦwϽvЬՈ

✗ B. h5mϽvЬU

✓ C. ƧɦmϽvЬU

✗ D. ƧɦmϽvЬU

Section : **General Awareness**

Q.71 **Which of the following refers to tax paid only in cash during the Mauryan period?**

Ans

✗ A. Kara

✗ B. Bhaga

✗ C. Bali

✓ D. Hiranya

Q.72 **Shyama Shastri, Tyagaraja and Muthuswami Dikshitar, the three composer-musicians of the 18th century, are considered as the trinity of ____ classical music form of India.**

Ans

✗ A. Thumri

✗ B. Tappa

✗ C. Hindustani

✓ D. Carnatic

Q.73 **The directive principles are primarily based on which of the following ideologies?**

Ans

✗ A. Individual Rights

✗ B. National Security

✗ C. State Development

✓ D. Social Welfare

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Q.74 **The Himalayan mountain system is geologically categorised as:**

Ans

✗ A. block mountains

✗ B. residual mountains

✗ C. volcanic mountains

✓ D. folded mountains

Q.75 **Which edition of the Urban Mobility India Conference and Expo 2024 was inaugurated by CM Bhupendra Patel in Gandhinagar, Gujarat in October 2024?**

Ans

✗ A. 1. 11th

✓ B. 2. 17th

✗ C. 3. 13th

✗ D. 4. 19th

Q.76 **According to Article 37 of the Indian Constitution, the provisions contained in the Directive Principles of State Policy are _____.**

Ans

✗ A. enforceable by any court

✓ B. non-enforceable by any court

✗ C. only applicable to the union government

✗ D. mandatory for citizens

Q.77 **Grammy award winner, Carnatic musician Thetakudi Harihara Vinayakram, fondly known as Vikku, is known for his mastery of which of the following musical instruments?**

Ans

✗ A. Sitar

✗ B. Violin

✗ C. Veena

✓ D. Ghatam

Q.78 **Which crop was primarily targeted during the Green Revolution in India?**

Ans

✗ A. Spices

✗ B. Cotton

✓ C. Wheat

✗ D. Sugarcane

Q.79 **In August 2024, which state launched the 'Dreamvestor' project aimed at nurturing innovative entrepreneurial ideas among students and assisting them in starting ventures?**

Ans

✗ A. Tamil Nadu

✓ B. Kerala

✗ C. Odisha

✗ D. Karnataka

Q.80 **In 2024, IIT Kanpur (IIT-K) partnered with the ICICI Foundation for Inclusive Growth to work on which healthcare initiative in Uttar Pradesh?**

Ans

✓ A. Uttar Pradesh Digital Health Stack

✗ B. Uttar Pradesh Medical Research Hub

✗ C. UP Health Data Integration Project

✗ D. UP Health Monitoring System

Q.81 **Who among the following was the leader of the 1857 Revolt from Gorakhpur?**

Ans

✗ A. Hardayal Singh

✓ B. Muhammad Hasan

✗ C. Jaidayal Singh

✗ D. Firoz Shah

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Q.82 **Where was the 32nd International Conference of Agricultural Economists, aimed at promoting Sustainable Agri-Food Systems, conducted in August 2024?**

Ans
- ✗ A. Paris
- ✗ B. New York
- ✗ C. Dhaka
- ✓ D. New Delhi

Q.83 **Every year, the Human Development Index is released by _____.**

Ans
- ✗ A. UNICEF
- ✗ B. International Monetary Fund
- ✗ C. World Health Organization
- ✓ D. United Nations Development Programme

Q.84 **Article 356 deals with which of the following provisions of the Indian Constitution?**

Ans
- ✗ A. Temporary Provisions
- ✗ B. Official Languages
- ✓ C. President's Rule
- ✗ D. National Emergency

Q.85 **The Western Coastal Plains of India extend from:**

Ans
- ✗ A. West Bengal to Tamil Nadu
- ✗ B. Odisha to Andhra Pradesh
- ✗ C. Rajasthan to Kerala
- ✓ D. Gujarat to Kanyakumari

Q.86 **Nehru asserted that the Constituent Assembly derived its strength primarily from:**

Ans
- ✗ A. colonial constitutional reforms
- ✗ B. British laws and administration
- ✗ C. the ideas of western revolutions
- ✓ D. the will of the Indian people

Q.87 **Which Governor of Goa wrote the book 'Heavenly Islands of Goa', released in April 2024?**

Ans
- ✓ A. PS Sreedharan
- ✗ B. Bhagat Singh Koshyari
- ✗ C. Mridula Sinha
- ✗ D. Satya Pal Malik

Q.88 **Which of the following quantities is measured using the unit 'quintal'?**

Ans
- ✗ A. Temperature
- ✗ B. Length
- ✓ C. Weight
- ✗ D. Volume

Q.89 **What role did the Minimum Support Price play in agriculture post the 1991 reforms?**

Ans
- ✗ A. It was extended only to industrial crops.
- ✗ B. It was replaced by international pricing policies.
- ✗ C. It was abolished entirely.
- ✓ D. It continued to protect farmers from price fluctuations.

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Q.90 **In the 1999 parliamentary elections, a coalition party government of ____ was formed, in which BJP was the largest member of the coalition.**

Ans

✗ A. Biju Janata Dal Alliance

✓ B. National Democratic Alliance

✗ C. United Progressive Alliance

✗ D. People's Democratic Party Alliance

Q.91 **Which of the following was/were NOT mentioned in the Constitution before 1976?**

Ans

✓ A. Fundamental Duties

✗ B. Fundamental Rights

✗ C. Directive Principles of State Policy

✗ D. Preamble

Q.92 **What was the birthplace of Rani Laxmibai, one of the freedom fighters of the First War of Independence of 1857?**

Ans

✗ A. Allahabad

✓ B. Varanasi

✗ C. Delhi

✗ D. Jhansi

Q.93 **Where did the 79th session of the United Nations General Assembly (UNGA 79) begin on 10 September 2024?**

Ans

✓ A. New York

✗ B. Chicago

✗ C. San Diego

✗ D. Los Angeles

Q.94 **Which sports league was awarded the 'Best Sports League of the Year' award at the CII Sports Business Awards on 18 October 2024?**

Ans

✗ A. Hockey India League

✓ B. Pro Kabaddi League

✗ C. Indian Premier League

✗ D. Premier Badminton League

Q.95 **Which bank received approval and Authorised Dealer Category 1 license from the RBI to provide a wide range of foreign exchange services in October 2024?**

Ans

✓ A. Ujjivan Small Finance Bank

✗ B. Jana Small Finance Bank

✗ C. Suryoday Small Finance Bank

✗ D. Au Small Finance Bank

Q.96 **Which of the following jet streams brings the western cyclonic disturbances in the northern part of India during the winter months?**

Ans

✗ A. Polar-Night Jet Stream

✗ B. African Easterly Jet

✓ C. Westerly Jet Stream

✗ D. Easterly Jet Stream

Q.97 **The National Rural Livelihood Mission was launched by the Ministry of Rural Development, Government of India, in the year _____.**

Ans

✗ A. 2014

✗ B. 2016

✗ C. 2009

✓ D. 2011

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Q.98 **Which of the following pairs of Slash and Burn agriculture and its state is correctly matched?**

Ans

✗ A. Pamlou – Rajasthan

✗ B. Kumari – Assam

✗ C. Bringa – Tamil Nadu

✓ D. Penda – Andhra Pradesh

Q.99 **By how much percentage did Axis Bank's operating profit increase on a year-on-year (YoY) basis in Q2 FY25?**

Ans

✗ A. 22%

✓ B. 18%

✗ C. 26%

✗ D. 24%

Q.100 **Which Prime Minister's 'Inner Cabinet' became particularly powerful during their era?**

Ans

✗ A. Narendra Modi

✓ B. Indira Gandhi

✗ C. Jawaharlal Nehru

✗ D. Atal Bihari Vajpayee

Q.101 **Indian musician Pandit Vishwa Mohan Bhatt was born at which of the following places in 1952?**

Ans

✗ A. Bhopal

✓ B. Jaipur

✗ C. Amritsar

✗ D. Jodhpur

Q.102 **Who was Akbar's revenue minister?**

Ans

✗ A. Raja Man Singh

✗ B. Birbal

✓ C. Raja Todar Mal

✗ D. Abul Fazl

Q.103 **Which of the following Acts introduced Indian representation in Legislative Councils?**

Ans

✓ A. Indian Councils Act of 1861

✗ B. Charter Act of 1853

✗ C. Indian Councils Act of 1892

✗ D. Charter Act of 1813

Q.104 **Axis Bank and _____ collaborated to launch MyBiz, a premium business credit card, in September 2024.**

Ans

✓ A. Mastercard

✗ B. American Express

✗ C. Visa

✗ D. PayPal

Q.105 **Tartaric acid is naturally contained in which of the following kitchen ingredients?**

Ans

✗ A. Lemon juice

✓ B. Tamarind

✗ C. Baking soda

✗ D. Vinegar

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Q.106 **Which IIT supported the launch of India's 'BharatGen' initiative under the NM-ICPS on 30 September 2024 to make generative AI available in Indian languages?**

Ans

✗ A. Indian Institute of Technology (IIT) Kharagpur

✗ B. Indian Institute of Technology (IIT) Madras

✓ C. Indian Institute of Technology (IIT) Bombay

✗ D. Indian Institute of Technology (IIT) Bhubaneswar

Q.107 **Which of the following matters will form a homogeneous mixture?**

Ans

✗ A. Sand and table salt

✗ B. Soil and water

✗ C. Benzene and water

✓ D. Carbon dioxide and water

Q.108 **Under the Family Courts Act, 1984, for which population size is it mandatory for the State Government to establish a Family Court in a city or town?**

Ans

✓ A. 1 million

✗ B. 2 million

✗ C. 3 million

✗ D. 5,00,000

Q.109 **The Bharatmala Pariyojana scheme of Government of India envisages development of about _____ km length of Economic Corridors.**

Ans

✗ A. 18,000

✗ B. 14,000

✗ C. 36,000

✓ D. 26,000

Q.110 **Under which theme did UNESCO observe International Literacy Day on 8 September 2024?**

Ans

✗ A. Transforming Literacy Learning Spaces

✗ B. Literacy for a human-centered recovery: Narrowing the digital divide

✓ C. Promoting Multilingual Education: Literacy for Mutual Understanding and Peace

✗ D. Literacy and Multilingualism

Q.111 **Snell's law is associated with which phenomenon of light?**

Ans

✗ A. Diffraction

✗ B. Reflection

✓ C. Refraction

✗ D. Dispersion

Q.112 **In September 2024, India successfully launched an Intermediate Range Ballistic Missile, Agni-4, from which location in Odisha?**

Ans

✗ A. Cuttack

✗ B. Puri

✓ C. Chandipur

✗ D. Bhubaneswar

Q.113 **'Khuang' is what type of indigenous instrument of Mizoram which occupies a very significant place in Mizo social and religious life?**

Ans

✓ A. Drum

✗ B. Flute

✗ C. Guitar

✗ D. Gong

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Q.114 **If the pressure of a gas is increased by two-fold at a constant volume, the work done by the gas will be _____.**

Ans

✗ A. tripled

✗ B. doubled

✓ C. zero

✗ D. quadrupled

Q.115 **ICICI Bank reported a 24% rise in net profit for Q3 2024, beating estimates. What was the Net Interest Margin (NIM) during this period?**

Ans

✗ A. 4.73%

✗ B. 4.23%

✓ C. 4.43%

✗ D. 4.63%

Q.116 **Which two banks have been fined by the Reserve Bank of India (RBI) due to regulatory non-compliance in September 2024?**

Ans

✗ A. SBI and Punjab National Bank

✗ B. IndusInd and Kotak Mahindra Bank

✓ C. HDFC and Axis Bank

✗ D. ICICI and Bank of Baroda

Q.117 **Ramabai Ranade, a social activist and reformer, is remembered for starting the _____ in Pune in 1909.**

Ans

✗ A. Indian Council of Child Welfare

✗ B. Abhinandan Educational and Welfare Society

✗ C. Widows Welfare Association

✓ D. Seva Sadan for Women's Welfare

Q.118 **According to the 2011 Census, what was the male literacy rate in India?**

Ans

✓ A. 82.14%

✗ B. 84.14%

✗ C. 78.14%

✗ D. 75.14%

Q.119 **What was one of the negative impacts of the Green Revolution?**

Ans

✓ A. Soil degradation due to excessive use of fertilisers

✗ B. Reduced yields in staple crops

✗ C. Increased reliance on traditional seeds

✗ D. Increase in organic farming

Q.120 **What is the southernmost point of the Indian mainland called today?**

Ans

✗ A. Kanyakumari

✗ B. Nicobar Islands

✗ C. Indira Point

✓ D. Cape Comorin

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	06/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A city has a population of 10,000 people and population grows at a rate of 10% per annum. What will be the population in 3 years?**

Ans
- ✗ A. 1,331
- ✓ B. 13,310
- ✗ C. 13,000
- ✗ D. 3,310

Q.2 **If the perimeter of a cuboid is 96 m, whose length is 12 m and height is 7 m, what is the volume of the cuboid?**

Ans
- ✗ A. 1. 430 m^3
- ✗ B. 2. 440 m^3
- ✓ C. 3. 420 m^3
- ✗ D. 4. 415 m^3

Q.3 **After 58 litres of petrol was poured into an empty storage tank, it was still 10% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?**

Ans
- ✗ A. 63.44
- ✓ B. 64.44
- ✗ C. 59
- ✗ D. 65.44

Q.4 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 121. Find the average of the remaining two numbers?**

Ans
- ✓ A. 192
- ✗ B. 196
- ✗ C. 193
- ✗ D. 197

Q.5 **Find the surface area of a sphere whose diameter is equal to 24 cm.**

Ans
- ✓ A. 1. 576π cm^2
- ✗ B. 2. 841π cm^2
- ✗ C. 3. 1161π cm^2
- ✗ D. 4. 839π cm^2

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Q.6 **Find the LCM of 84, 126 and 210.**

Ans

✗ A. 630

✗ B. 420

✓ C. 1260

✗ D. 210

Q.7 **Find the value of** $\left(\frac{1}{6}\right)^{-3} + \left(\frac{1}{2}\right)^{-3} + \left(\frac{1}{3}\right)^{-3}$.

Ans

✗ A. 252

✓ B. 251

✗ C. 244

✗ D. 254

Q.8 **A person can complete a journey in 11 hours. He covers the first one-third part of the journey at the rate of 36 km/h and the remaining distance at the rate of 60 km/h. What is the total distance of his journey (in km)?**

Ans

✓ A. 540 km

✗ B. 534 km

✗ C. 535 km

✗ D. 539 km

Q.9 **A pipe can fill a tank in 9 hours. Another pipe can empty the filled tank in 36 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:**

Ans

✗ A. 32

✓ B. 8

✗ C. 16

✗ D. 24

Q.10 **An Uber auto covers a distance of 649 km in 59 hours. What is its speed in km/h?**

Ans

✓ A. 11

✗ B. 16

✗ C. 12

✗ D. 20

Q.11 **Evaluate: 41 - [21 - {11 - (15 - 5 ÷ 2 × 2)}]**

Ans

✗ A. 16

✓ B. 21

✗ C. 18

✗ D. 23

Q.12 **A retailer buys an electronic item for ₹175. His overhead expenses are ₹15. He sells the electronic item for ₹380 and makes x%' profit. The value of x is:**

Ans

✗ A. 80

✗ B. 90

✗ C. 120

✓ D. 100

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Q.13 Alka can finish a work in 18 days. If Shailja is 20% more efficient than Alka, then in how many days can both of them finish the work together?

Ans

✗ A. $7\frac{2}{11}$

✓ B. $8\frac{2}{11}$

✗ C. 8

✗ D. 7

Q.14 What is the largest 5-digit number exactly divisible by 999?

Ans

✗ A. 99,909

✗ B. 99,090

✓ C. 99,900

✗ D. 99,990

Q.15 The average age of 10 members of a family is 34 years. If the youngest member is 7 years old, what was the average age (in years) of the family members just before the birth of the youngest member?

Ans

✗ A. 32

✗ B. 28

✓ C. 30

✗ D. 31

Q.16 A number when increased by 40 %', gives 3570. The number is:

Ans

✗ A. 5100

✗ B. 1275

✓ C. 2550

✗ D. 7650

Q.17 If 4 , 31 , 92 , and y are in proportion, then the value of y is:

Ans

✗ A. 722

✗ B. 718

✓ C. 713

✗ D. 715

Q.18 A trader purchases a gadget for ₹2,000 and sells it at a profit of 25%. He then purchases a second gadget for ₹2,400 and sells it at a loss of 10%. What is the overall profit or loss (in ₹) from both transactions?

Ans

✗ A. Profit, 180

✗ B. Loss, 200

✓ C. Profit, 260

✗ D. Loss, 260

Q.19 Pipe P can fill $\frac{4}{9}$ part of a tank in 28 hours and pipe Q can fill $\frac{3}{5}$ part

Ans

✗ A. 42 hours

✓ B. 57 hours

✗ C. 40 hours

✗ D. 51 hours

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Q.20 The average of first 134 even numbers is

Ans
- ✗ A. 134.5
- ✗ B. 135.5
- ✗ C. 136
- ✓ D. 135

Q.21 Train A leaves station M at 7:40 AM and reaches station N at 2:40 PM on the same day. Train B leaves station N at 9:40 AM and reaches station M at 2:40 PM on the same day. Find the time when Trains A and B meet.

Ans
- ✗ A. 11:23 PM
- ✗ B. 5:12 PM
- ✗ C. 10:29 PM
- ✓ D. 11:45 AM

Q.22 $6 \times \frac{1}{7} \div \frac{3}{7} + \left(\frac{45}{24} - \frac{2}{3} + \frac{7}{6} \times \frac{2}{7}\right)$

Ans
- ✓ A. $\frac{85}{24}$
- ✗ B. $\frac{25}{84}$
- ✗ C. $\frac{85}{84}$
- ✗ D. $\frac{25}{24}$

Q.23 If the distance between A and B is 1409 Km. From A, Vishal goes to B with speed 71 km/h and return to A with the speed 39 km/h. Find the average speed of Vishal.(rounded off to two decimal place)

Ans
- ✓ A. 50.35 km/h
- ✗ B. 40.32 km/h
- ✗ C. 50.73 km/h
- ✗ D. 44.05 km/h

Q.24 The sum of 10 numbers is 408. Find their average.

Ans
- ✓ A. 40.8
- ✗ B. 39.8
- ✗ C. 38.8
- ✗ D. 41.8

Q.25 Find the perimeter of a rectangular garden, whose breadth is two-third of its length and area is 486 m^2.

Ans
- ✓ A. 90 m
- ✗ B. 75 m
- ✗ C. 80 m
- ✗ D. 65 m

Q.26 What is the greatest number that when divides 718, 1085 and 1179 leaves remainders 5, 4 and 6, respectively?

Ans
- ✗ A. 25
- ✓ B. 23
- ✗ C. 19
- ✗ D. 17

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Q.27 A shopkeeper offers a discount of 25% on the marked price of a mobile phone. If the shopkeeper still makes a profit of 10% after offering the discount, and the cost price of the phone is ₹12,000, What is the marked price of the phone?

Ans

✔ A. ₹17,600

✘ B. ₹18,600

✘ C. ₹20,000

✘ D. ₹18,000

Q.28 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 117. Find the average of the remaining two numbers?

Ans

✘ A. 196

✘ B. 195

✘ C. 192

✔ D. 191

Q.29 The marked price of a refrigerator is ₹47,500. During off season, it is sold for ₹41,800. Determine the discount percentage.

Ans

✘ A. 9%

✔ B. 12%

✘ C. 10.5%

✘ D. 11%

Q.30 Find the simplified value of the expression

$$\frac{0.4 \times 0.4 + 0.04 \times 0.04 - 0.8 \times 0.04}{0.72}.$$

Ans

✘ A. 0.018

✘ B. 0.118

✔ C. 0.18

✘ D. 0.72

Q.31 A sum, when invested at 10% simple interest per annum, amounts to ₹2640 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?

Ans

✘ A. 880

✘ B. 220

✘ C. 1760

✔ D. 440

Q.32 The value of

$$\sqrt{256} + \sqrt{0.0121} - \sqrt{4.41} =$$

Ans

✔ A. 14.01

✘ B. 2.57

✘ C. 6.12

✘ D. 4.21

Q.33 Lalit and Manoj started a business in partnership investing ₹10,000 and ₹18,000, respectively. After eight months, Nitin joined them by investing ₹24,000. What will be the total share of Nitin and Manoj in the total profit of ₹22,000 earned at the end of 2 years from the starting of the business?

Ans

✔ A. ₹17,000

✘ B. ₹14,000

✘ C. ₹12,000

✘ D. ₹19,000

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Q.34 **Ramesh's luggage bag initially weighed 15 kg when he started his tour. By the time of his departure, the weight of his bag had increased to 18 kg. Calculate the percentage increase in the weight of the luggage.**

Ans

✗ A. 60%

✓ B. 20%

✗ C. 120%

✗ D. 90%

Q.35 **Shagun invested ₹30,000 at compound interest of 40% per annum, compounded semi-annually. If she received ₹4x after 24 months, then what is the value of 1.5x (in ₹)?**

Ans

✗ A. 40,250

✗ B. 15,552

✓ C. 23,328

✗ D. 62,208

Section : **General Intelligence and Reasoning**

Q.36 **Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).**

(Left) 6 7 6 5 2 2 7 3 1 2 8 8 1 2 7 6 8 9 7 1 4 8 2 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

Ans

✗ A. One

✗ B. None

✗ C. Three

✓ D. Two

Q.37 **If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?**
98 × 14 + 6 ÷ 36 − 8 = ?

Ans

✓ A. 289

✗ B. 290

✗ C. 287

✗ D. 288

Q.38 **What should come in place of the question mark (?) in the given series?**

1, 4, 5, 22, 113, 2490, ?

Ans

✗ A. 2817385

✗ B. 281370

✓ C. 281375

✗ D. 281380

Q.39 **RKQA is related to SMTE in a certain way based on the English alphabetical order. In the same way, WLNU is related to XNQY. To which of the given options is XHPB related, following the same logic?**

Ans

✗ A. YKSE

✗ B. YISF

✓ C. YJSF

✗ D. YKTF

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Q.40 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. LGO
- ✓ B. UPY
- ✗ C. PKS
- ✗ D. SNV

Q.41 **What should come in place of the question mark (?) in the given series?**

16 23 38 69 132 ?

Ans
- ✗ A. 261
- ✓ B. 259
- ✗ C. 258
- ✗ D. 260

Q.42 **K, I, T, S, W, A, and N are sitting around a circular table facing the centre. N sits third to the left of A and N sits to the immediate right of W. Only K sits between N and I. Only one person sits between W and S. Who sits to the immediate right of T?**

Ans
- ✗ A. I
- ✓ B. W
- ✗ C. N
- ✗ D. A

Q.43 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 3, 13)
(7, 8, 113)

Ans
- ✗ A. (3, 5, 37)
- ✓ B. (5, 9, 106)
- ✗ C. (8, 5, 75)
- ✗ D. (11, 4, 155)

Q.44 **In a certain code language, 'GROW' is coded as '2571' and 'WORK' is coded as '5742'. What is the code for 'K' in the given code language?**

Ans
- ✗ A. 5
- ✗ B. 2
- ✗ C. 7
- ✓ D. 4

Q.45 **Each of T, A, B, L, E and S lives on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. T lives on the floor numbered 4. Only two people live between T and L. Only B lives between T and A. E lives immediately below T. Who lives on the floor numbered 2?**

Ans
- ✗ A. T
- ✗ B. L
- ✗ C. B
- ✓ D. S

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Q.46 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

LBV : OEY
GMR : JPU

Ans

✔ A. SOG : VRJ

✗ B. ODL : RGI

✗ C. RHS : UKW

✗ D. LCD : OZG

Q.47 **This question is based on the five, three-digit numbers given below.**

(Left) 568 329 746 183 275 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the second highest number is added to the third digit of the second lowest number?

Ans

✗ A. 12

✗ B. 14

✗ C. 10

✔ D. 13

Q.48 **Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only four people sit to the right of B. Only four people sit to the left of E. F sits to the right of D but left of B. C sits third to the left of G.**
How many people sit to the left of A?

Ans

✗ A. Four

✗ B. Two

✔ C. Five

✗ D. Three

Q.49 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All trays are carpets.
No carpet is a bin.

Conclusions:
(I) : No tray is a bin.
(II) : Some bins are carpets.

Ans

✗ A. Neither conclusion (I) nor (II) follows

✗ B. Only conclusion (II) follows

✗ C. Both conclusions (I) and (II) follow

✔ D. Only conclusion (I) follows

Q.50 **If '+' and '÷' are interchanged and '−' and '×' are interchanged, then what will come in place of the question mark (?) in the following equation?**

15 × 2 − 48 + 4 ÷ 5 = ?

Ans

✗ A. 8

✗ B. −9

✗ C. 4

✔ D. −4

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Q.51 **In a certain code language, 'all eyes on' is coded as 'yu re dc' and 'two eyes only' is coded as 'dc fr fe'. How is 'eyes' coded in the given language?**

Ans

✗ A. re

✓ B. dc

✗ C. yu

✗ D. sw

Q.52 **What should come in place of the question mark (?) in the given series?**

31, 34, 40, 49, 61, ?

Ans

✗ A. 74

✗ B. 72

✗ C. 78

✓ D. 76

Q.53 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
Some vessels are container.
All ships are containers.

Conclusions:
(I) Some vessels are ships.
(II) All containers are ships.

Ans

✗ A. Both conclusions (I) and (II) follow

✓ B. Neither conclusion (I) nor (II) follows

✗ C. Only conclusion (I) follows

✗ D. Only conclusion (II) follows

Q.54 **Dhruv starts from Point A and drives 6 km towards East. He then takes a right turn, drives 11 km, turns right and drives 21 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)**

Ans

✗ A. 11 km towards West

✓ B. 10 km towards East

✗ C. 10 km towards North

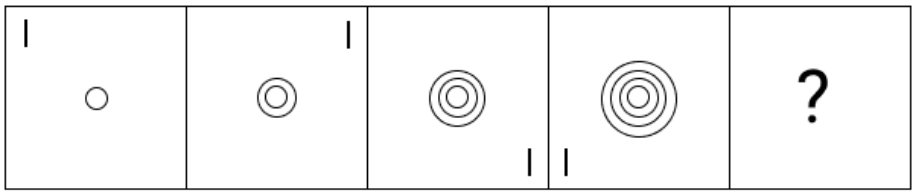
✗ D. 9 km towards West

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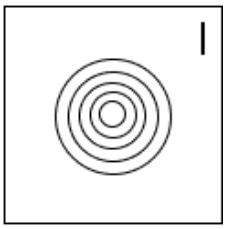
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Q.55

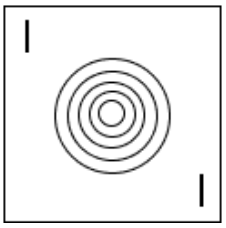


Ans

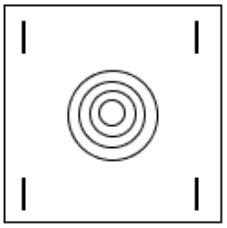
✗ A.



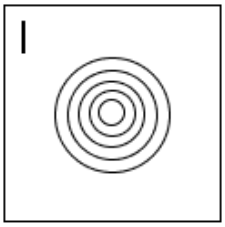
✗ B.



✗ C.



✓ D.



Q.56 **Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.**

(Left) 3 2 4 9 1 8 7 6 3 2 1 5 6 4 7 8 3 9 4 6 5 7 4 1 5 7 2 (Right)

How many such even digits are there each of which is immediately preceded by a perfect square and immediately followed by an odd digit?
(NOTE: 1 is also a perfect square.)

Ans

✗ A. Three

✗ B. More than three

✓ C. Two

✗ D. One

Q.57 **Mr. E starts from Point A and drives 2 km towards the west. He then takes a left turn, drives 8 km, turns right and drives 3 km. He then takes a right turn and drives 9 km, turns right drives 7 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✗ A. 3 km towards the south

✗ B. 8 km towards the east

✗ C. 9 km towards the north

✓ D. 2 km towards the west

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Q.58 **WOKY is related to KEYO in a certain way based on the English alphabetical order. In the same way, AAOK is related to OQCA. To which of the given options options is QWEG related, following the same logic?**

Ans

✗ A. MESW

✓ B. EMSW

✗ C. MEWS

✗ D. EMWS

Q.59 **In a certain code language, 'snakes has venom' is coded as 'vu mu wu' and 'I hate snakes' is coded as 'au vu uu'. How is 'snakes' coded in the given language?**

Ans

✓ A. vu

✗ B. mu

✗ C. uu

✗ D. wu

Q.60 **All 29 people are standing in a row facing North. Peter is 11th from the right end while Robin is 9th from the left end. How many people are there between Peter and Robin?**

Ans

✗ A. 7

✗ B. 8

✓ C. 9

✗ D. 10

Q.61 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. EH - GJ

✓ B. IT - PR

✗ C. TW - VY

✗ D. QT - SV

Q.62 **Seven people, L, M, N, O, P, Q, and R are sitting in a row, facing north. Only two people sit to the left of L. Only three people sit between L and P. M sits second to the right of L. Only two people sit between M and Q. R sits at some place to the right of O but at some place to the left of N. How many people sit to the right of R?**

Ans

✗ A. Four

✗ B. One

✗ C. Two

✓ D. Three

Q.63 **Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.**

EDC JIH ONM TSR ?

Ans

✗ A. YWX

✓ B. YXW

✗ C. WXY

✗ D. WYX

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Q.64 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

RDL TFO VHR XJU ?

Ans

✗ A. ALY

✗ B. ALX

✗ C. ZLY

✓ D. ZLX

Q.65 **Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.**

QSD YAL GIT OQB ?

Ans

✗ A. YHT

✓ B. WYJ

✗ C. WJY

✗ D. YTH

Q.66 **In a certain code language,**
A # B means 'A is the son of B'
A % B means 'A is the brother of B'
A − B means 'A is the wife of B'
A @ B means 'A is the father of B'

Based on the above, how is C related to K if 'C @ O % M − P # K'?

Ans

✗ A. Wife's brother

✗ B. Wife's father

✓ C. Son's wife's father

✗ D. Son's wife's brother

Q.67 **What will come in place of the question mark (?) in the following equation if '+' and '−' are interchanged and '÷' and '×' are interchanged?**

15 ÷ 8 − 16 × 4 + 9 = ?

Ans

✗ A. 110

✗ B. 105

✗ C. 120

✓ D. 115

Q.68 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All engines are keys.
Some keys are trains.

Conclusions:
(I) : Some keys are engines.
(II) : Some trains are engines.

Ans

✗ A. Both conclusions (I) and (II) follow

✗ B. Neither conclusion (I) nor (II) follows

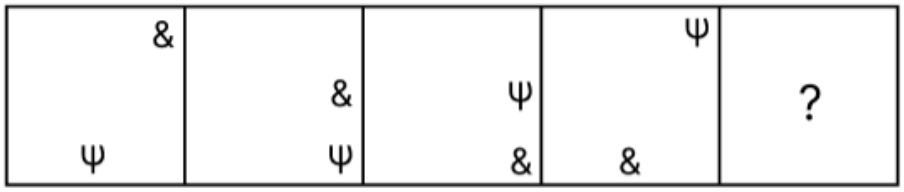
✓ C. Only conclusion (I) follows

✗ D. Only conclusion (II) follows

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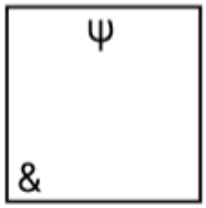
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Q.69

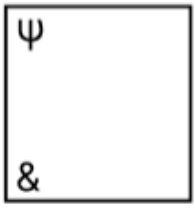


Ans

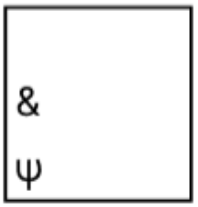
✔ A.



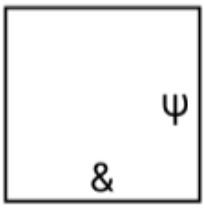
✘ B.



✘ C.



✘ D.



Q.70 **In a certain code language,**
A + B means 'A is the mother of B',
A − B means 'A is the brother of B',
A × B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

How is D related to E if 'D + F − G × E ÷ H'?

Ans

✘ A. Brother's wife

✘ B. Mother

✘ C. Wife's brother

✔ D. Wife's mother

Section : **General Awareness**

Q.71 **Identify the group of crops which is grown in Kharif Season in India?**

Ans

✘ A. Jute and Wheat

✘ B. Groundnut and Barley

✔ C. Urad and Cotton

✘ D. Gram and Mustard

Q.72 **With which of the following musical instruments is Allauddin Khan associated in India?**

Ans

✘ A. Sitar

✘ B. Santoor

✔ C. Sarod

✘ D. Veena

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Q.73 **The concept of Directive Principles of the Indian constitution is borrowed from the Constitution of which country?**

Ans

✔ A. Ireland

✘ B. France

✘ C. The US

✘ D. Spain

Q.74 **The unit 'foot' belongs to which of the following systems of units?**

Ans

✔ A. FPS system

✘ B. CGS system

✘ C. MKS system

✘ D. SI system

Q.75 **Which mountain range acts as a natural boundary between the Northern Plains and the Deccan Plateau?**

Ans

✔ A. Vindhyas

✘ B. Himalayas

✘ C. Aravallis

✘ D. Satpuras

Q.76 **In December 2024, which of the following measures was announced by SEBI to strengthen the SME IPO framework in India?**

Ans

✘ A. Promoters are restricted from selling more than 85% of their holding in an IPO.

✘ B. SEBI eliminated the requirement for minimum shareholder numbers in SME IPOs.

✘ C. Promoters' Offer for Sale (OFS) is now capped at 30% of the issue size.

✔ D. Promoters are restricted from selling more than 50% of their holding in an IPO.

Q.77 **What is the targeted production capacity of green hydrogen under India's National Green Hydrogen Mission by 2030?**

Ans

✘ A. 90 MMT per annum

✘ B. 10 MMT per annum

✘ C. 125 MMT per annum

✔ D. 5 MMT per annum

Q.78 **In November 2024, the Cabinet approved an equity infusion of ₹10,700 crore in which public sector undertaking for FY25?**

Ans

✘ A. Antrix Corporation

✘ B. Fertilizer Corporation of India

✘ C. Bharat Sanchar Nigam Limited

✔ D. Food Corporation of India

Q.79 **When was the Bilateral Investment Treaty (BIT) between India and UAE entered into force?**

Ans

✘ A. September 2024

✘ B. January 2024

✔ C. August 2024

✘ D. February 2024

Q.80 **Who led the Revolt of 1857 in Bihar?**

Ans

✘ A. Maulvi Liaqat Ali

✔ B. Kunwar Singh

✘ C. Lakshmi Bai and Tantia Tope

✘ D. Khan Bahadur Khan

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Q.81 **Who among the following wrote Akbar Nama?**

Ans
- ✗ A. Birbal
- ✗ B. Babur
- ✗ C. Barni
- ✓ D. Abul Fazl

Q.82 **How many teachers were selected for National Teachers' Awards 2024 including teachers from the Department of Higher Education and teachers from the Ministry of Skill Development and Entrepreneurship?**

Ans
- ✗ A. 65
- ✓ B. 82
- ✗ C. 50
- ✗ D. 106

Q.83 **Budget 2024 allocated a substantial ₹1.52 lakh crore specifically for which sector?**

Ans
- ✓ A. Agriculture
- ✗ B. Technology
- ✗ C. Infrastructure
- ✗ D. Real estate

Q.84 **A speeding vehicle can skid on the bend of the road because of _____.**

Ans
- ✗ A. Frictional force
- ✓ B. Centrifugal force
- ✗ C. Gravitational force
- ✗ D. Centripetal force

Q.85 **What is the name of the advanced machine learning framework developed by IIT Guwahati for the semiconductor industry in August 2024?**

Ans
- ✗ A. SHARK
- ✓ B. LEAP
- ✗ C. GAP
- ✗ D. WEKA

Q.86 **Which of the following personalities is a famous flute player of India?**

Ans
- ✗ A. KV Prasad
- ✗ B. Zakir Hussain
- ✗ C. SV Rajarao
- ✓ D. Hari Prasad Chaurasia

Q.87 **If 64 mL water is occupied in a cube, the side length of the cube will be ____.**

Ans
- ✗ A. 4 m
- ✗ B. 8 m
- ✓ C. 4 cm
- ✗ D. 4 mL

Q.88 **The abolition of the Zamindari system is aimed at achieving which Directive Principle of state policy of the Indian Constitution?**

Ans
- ✗ A. Promotion of Education
- ✗ B. Environmental Protection
- ✓ C. Economic and Social Justice
- ✗ D. International Peace

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Q.89 **Under which Act was the Securities Appellate Tribunal (SAT) established?**

Ans

✗ A. Companies Act, 1956

✓ B. Securities and Exchange Board of India Act, 1992

✗ C. Insurance Regulatory and Development Authority Act, 1999

✗ D. Consumer Protection Act, 2019

Q.90 **What separates the North Andaman and South Andaman islands?**

Ans

✓ A. Ten Degree Channel

✗ B. Coco Channel

✗ C. Duncan Passage

✗ D. Palk Strait

Q.91 **Oesophagus belongs to which major organ system in the human body?**

Ans

✗ A. Respiratory system

✗ B. Nervous system

✗ C. Endocrine system

✓ D. Digestive system

Q.92 **Who among the following secured his first Formula 1 victory at the Azerbaijan Grand Prix in September 2024?**

Ans

✗ A. Lando Norris

✗ B. Charles Leclerc

✗ C. Max Verstappen

✓ D. Oscar Piastri

Q.93 **As per the 2011 Census, what is the population density of India?**

Ans

✗ A. 1. 420 persons per km^2

✓ B. 2. 382 persons per km^2

✗ C. 3. 325 persons per km^2

✗ D. 4. 350 persons per km^2

Q.94 **The concept of a Five Year Plan was inspired by which country?**

Ans

✗ A. United Kingdom

✓ B. Soviet Union

✗ C. France

✗ D. United States

Q.95 **What was the primary reason for the failure of India's Third Five Year Plan?**

Ans

✗ A. Oil crisis

✓ B. Indo-Pak war of 1965 and drought

✗ C. Indo-China war of 1962

✗ D. Global recession

Q.96 **Which court in India is responsible for handling civil cases like property disputes, divorce and consumer problems?**

Ans

✗ A. Criminal Court

✓ B. Civil Court

✗ C. Sessions Court

✗ D. Revenue Court

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Q.97 **What was the impact of the British land revenue system on Indian agriculture?**

Ans

✔ A. Created a class of landlords who exploited peasants

✘ B. Improved irrigation systems

✘ C. Encouraged technological advancements in farming

✘ D. Reduced the burden of taxes on farmers

Q.98 **Which festival did Tilak introduce in 1893 to promote a sense of unity and nationalism?**

Ans

✔ A. Ganpati Festival

✘ B. Holi Festival

✘ C. Shivaji Festival

✘ D. Diwali Festival

Q.99 **Name the book that was written by Jayadev.**

Ans

✘ A. Shishupala Vadha

✔ B. Gita Govinda

✘ C. Brihaddeshi

✘ D. Gaha Sattasai

Q.100 **The Indian squad of 19 boxers won how many medals in total at the Under-19 World Boxing Championships 2024, held at Colorado, USA?**

Ans

✘ A. 19

✘ B. 12

✔ C. 17

✘ D. 10

Q.101 **Which of the following is the northernmost State/UT of India?**

Ans

✘ A. Himachal Pradesh

✔ B. Jammu and Kashmir

✘ C. Punjab

✘ D. Uttarakhand

Q.102 **What is the name of the savings account launched by Bandhan Bank exclusively for women in 2024?**

Ans

✘ A. Sakhi

✘ B. Nari

✘ C. Mahila

✔ D. Avni

Q.103 **In which period did Bankim Chandra Chattopadhyay write 'Vande Mataram' as a hymn to the motherland?**

Ans

✘ A. 1890s-1900s

✘ B. 1840s-1850s

✔ C. 1870s-1880s

✘ D. 1850s-1860s

Q.104 **English chemist Humphry Davy discovered and isolated the highly reactive alkali metals especially sodium and potassium by adopting the method:**

Ans

✘ A. Roasting and Calcination

✘ B. Reduction with Carbon

✘ C. Smelting

✔ D. Electrolysis

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Q.105 **Who's assent is required for the Constitutional Amendment Bill to become an Act?**

Ans

✗ A. Chief Justice of India

✗ B. The Prime Minister of India

✗ C. The Speaker of Lok Sabha

✓ D. The President of India

Q.106 **Provision for the Administration of Scheduled Areas and Tribal Areas is mentioned under which of the following articles?**

Ans

✗ A. Article 248

✗ B. Article 242

✓ C. Article 244

✗ D. Article 246

Q.107 **In 2011 Census, the child population (0-6 years) in India was approximately how much percentage of the total population?**

Ans

✗ A. 17.1%

✓ B. 13.1%

✗ C. 12.1%

✗ D. 16.1%

Q.108 **The removal of the calendar spread benefit on the expiry day in the derivatives market, as per SEBI's reforms, will take effect from:**

Ans

✗ A. 20 December 2024

✓ B. 1 February 2025

✗ C. 31 March 2025

✗ D. 1 January 2025

Q.109 **The extremists believed that economic self-reliance was necessary to:**

Ans

✗ A. increase taxation

✗ B. boost exports

✗ C. strengthen British authority

✓ D. fight British exploitation

Q.110 **The Mughals were descendants of which clan?**

Ans

✓ A. Chaghtai Turk Mongols

✗ B. Turks

✗ C. Mongols

✗ D. Afghans

Q.111 **According to the Indian Constitution, who is considered as the appointing authority of the members of the State Public Service Commissions?**

Ans

✓ A. The Governor

✗ B. Chairman of the Union Public Service Commission

✗ C. Chief Minister of the concerned state

✗ D. The President

Q.112 **The 'Mahavamsa', a Buddhist literary work, was originally written in which of the following languages?**

Ans

✗ A. Prakrit

✗ B. Tibetan

✓ C. Pali

✗ D. Chinese

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Q.113 **At the end of 1858, when the rebellion of 1857 collapsed, Nana Sahib escaped to which place?**

Ans

✗ A. Burma (present day Myanmar)

✗ B. China

✓ C. Nepal

✗ D. Bhutan

Q.114 **Which of the following island groups has the smallest land area?**

Ans

✗ A. Andaman Islands

✗ B. Ritchie's Archipelago

✓ C. Lakshadweep Islands

✗ D. Nicobar Islands

Q.115 **Which of the following missions aims to send a crew of three astronauts to an orbit of 400 kilometres above the Earth for three days?**

Ans

✗ A. Mission Mangal

✓ B. Gaganyaan

✗ C. Bhashkar-1

✗ D. Chandryaan-2

Q.116 **What was the primary occupation of most of India's population on the eve of independence?**

Ans

✗ A. Industry

✓ B. Agriculture

✗ C. Trade

✗ D. Education

Q.117 **Which of the following best describes the concept of offshoring?**

Ans

✗ A. Hiring temporary workers for short-term projects

✗ B. Relocating business operations to another area within the same country

✓ C. Transferring certain company tasks or services to a foreign country to lower expenses

✗ D. Decreasing wages within the company to boost profits

Q.118 **Which term describes the removal of restrictions on private industries in the 1991 reforms?**

Ans

✗ A. Privatisation

✗ B. Industrialisation

✗ C. Globalisation

✓ D. Liberalisation

Q.119 **In October 2024, India participated in the bilateral naval exercise Naseem-Al-Bahr with which country?**

Ans

✗ A. Qatar

✗ B. United Arab Emirates

✗ C. Saudi Arabia

✓ D. Oman

Q.120 **What is the predicted GDP growth for India in the September 2024 quarter, as per SBI economists?**

Ans

✗ A. 6%

✗ B. 7.5%

✓ C. 6.5%

✗ D. 7%

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	06/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A class of 45 students weigh themselves. 10 students have an average weight of 55 kg, and the remaining students have an average score of 60 kg. Thus, the average weight (in kg) of the whole class is: (rounded off to the nearest integer)**

Ans
- ✗ A. 57
- ✗ B. 58
- ✗ C. 56
- ✓ D. 59

Q.2 **The monthly incomes of two friends Keshav and Tushar, are in the ratio 5 : 7 respectively and each of them saves ₹93000 every month. If the ratio of their monthly expenditure is 2 : 3, find the monthly income of Keshav(in ₹).**

Ans
- ✓ A. 465000
- ✗ B. 466000
- ✗ C. 651000
- ✗ D. 464000

Q.3 **The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 110. Find the average of the remaining two numbers?**

Ans
- ✗ A. 189
- ✗ B. 195.5
- ✗ C. 188
- ✓ D. 194.5

Q.4 **2% of 13% of a number is what percentage of that number?**

Ans
- ✗ A. 15
- ✗ B. 26
- ✓ C. 0.26
- ✗ D. 0.026

Q.5 **A bus travelling at 72 km/h completes a journey in 15 hours. At what speed will it have to cover the same distance in 12 hours?**

Ans
- ✓ A. 90 km/h
- ✗ B. 89 km/h
- ✗ C. 84 km/h
- ✗ D. 99 km/h

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Q.6 How many seconds will a boy take to run one complete round around a square field of side 79 metres, if he runs at a speed of 4 km/h?

Ans

✔ A. 284.3

✘ B. 275

✘ C. 291

✘ D. 294

Q.7 Which of the following will yield maximum discount on ₹34,480?

A) 2 successive discounts of 7% and 3%
B) 2 successive discounts of 8% and 2%
C) Single discount of 9.8%

Ans

✘ A. A

✘ B. C

✔ C. B

✘ D. C and B will yield equal discount.

Q.8 The sum of 10 numbers is 336. Find their average.

Ans

✔ A. 33.6

✘ B. 32.6

✘ C. 31.6

✘ D. 34.6

Q.9 The product of two whole numbers is 1550, and their LCM is 5. Find the HCF.

Ans

✘ A. 150

✘ B. 155

✘ C. 300

✔ D. 310

Q.10 A person buys a cycle for ₹450 but because of certain urgency, he sells it for ₹350. Find his loss percentage?

Ans

✘ A. $21\frac{2}{9}\%$

✘ B. $23\frac{2}{9}\%$

✘ C. $20\frac{2}{9}\%$

✔ D. $22\frac{2}{9}\%$

Q.11 In a race, an athlete covers a distance of 354 m in 118 sec in the first lap. He covers the second lap of the same length in 59 sec. What is the average speed (in m/sec) of the athlete?

Ans

✘ A. 5

✘ B. 13

✘ C. 7

✔ D. 4

Q.12 A tap can fill a cistern in 24 minutes and another tap can empty it in 36 minutes. If both the taps are open, the time taken to fill the tank will be:

Ans

✘ A. 24 minutes

✘ B. 48 minutes

✘ C. 60 minutes

✔ D. 72 minutes

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Q.13 A sum, when invested at 10% simple interest per annum, amounts to ₹2880 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?

Ans
- ✗ A. 240
- ✗ B. 960
- ✗ C. 1920
- ✓ D. 480

Q.14 Suppose oil prices increased from ₹99 per litre to ₹132 per litre. The increase percentage of oil prices is:

Ans
- ✗ A. 32.5%
- ✗ B. 34%
- ✗ C. 32%
- ✓ D. $33\frac{1}{3}\%$

Q.15 N solid metallic spherical balls are melted and recast into a cylindrical rod whose radius is 5 times the radius of a spherical ball and height is 8 times the radius of a spherical ball. The value of N is:

Ans
- ✗ A. 175
- ✗ B. 100
- ✗ C. 75
- ✓ D. 150

Q.16 Evaluate: 41 - [36 - {48 ÷ 2 - (5 - 9 ÷ 3) ÷ 2}]

Ans
- ✓ A. 28
- ✗ B. 29
- ✗ C. 27
- ✗ D. 30

Q.17 What is the greatest number which when divides 1128, 1537 and 1834 leaves remainders 7, 3 and 5, respectively?

Ans
- ✗ A. 67
- ✓ B. 59
- ✗ C. 43
- ✗ D. 54

Q.18 A sum of money invested at compound interest amounts to ₹9,600 in 2 years and to ₹10,800 in 3 years. Find the rate of interest per annum.

Ans
- ✗ A. 11.4%
- ✗ B. 13.4%
- ✓ C. 12.5%
- ✗ D. 10.5%

Q.19 P sells an item to Q at 47% profit. Q sells the same item to R at 50% loss. If R paid ₹ 6027 for the item, then at what price (in ₹) is the item purchased by P?

Ans
- ✓ A. 8200
- ✗ B. 8198
- ✗ C. 8203
- ✗ D. 8197

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Q.20 Prakash and Vinesh can complete a certain piece of work in 15 and 9 days, respectively, They started to work together, and after 5 days, Vinesh left. In how many days will Prakash complete the remaining work?

Ans

✗ A. $\frac{14}{11}$

✗ B. $\frac{13}{9}$

✓ C. $\frac{15}{9}$

✗ D. $\frac{15}{10}$

Q.21 The average of first 120 even numbers is

Ans

✗ A. 121.5

✗ B. 122

✓ C. 121

✗ D. 120.5

Q.22 If the ratio of the height to the slant height of a cone is 4 : 5 and its volume is 12936 cm^3, then what will be its diameter?
(Use value of π as $\frac{22}{7}$)

Ans

✗ A. 42 m

✓ B. 42 cm

✗ C. 21 m

✗ D. 21 cm

Q.23 A man can row at the speed of 8.5 km/h in still water. In a river running at the speed of 1.5 km/h, it takes him 51 minutes to row to a place and come back. How far (in km) is this place?

Ans

✗ A. 5.5

✓ B. 3.5

✗ C. 4.5

✗ D. 7.5

Q.24 The value of

$$5^3 - 0^2 + \left(\frac{8}{4}\right)^2 - 6 + 6 \times 5 = \_\_\_\_\_$$

Ans

✗ A. 152

✗ B. 154

✓ C. 153

✗ D. 151

Q.25 The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 112. Find the average of the remaining two numbers?

Ans

✓ A. 196.5

✗ B. 187

✗ C. 188

✗ D. 197.5

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Q.26 An amount of ₹980 is divided among three persons in the ratio of 2 : 6 : 12. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans

✗ A. 511

✗ B. 546

✓ C. 490

✗ D. 425

Q.27 There are 2759 students in a school and the ratio of boys to girls in the school is 40 : 49, then find the number of boys in school.

Ans

✗ A. 1245

✗ B. 1257

✗ C. 1248

✓ D. 1240

Q.28 Simplify the following expression.

$$\sqrt{12.5 \times 8 \times 2.89}$$

Ans

✗ A. 13

✓ B. 19

✗ C. 15

✗ D. 17

Q.29 A parallelogram has a base of 12 cm and a height of 5 cm. What is the area of the parallelogram?

Ans

✗ A. 1. 24 cm^2

✗ B. 2. 48 cm^2

✗ C. 3. 18 cm^2

✓ D. 4. 60 cm^2

Q.30 A can do a piece of work in 9 days. B can do it in 9 days. With the assistance of C, they completed the work in 3 days. C alone can do it in _____days.

Ans

✗ A. 8

✗ B. 10

✓ C. 9

✗ D. 11

Q.31 Nisha lent a sum of ₹50,000 to Anu for one year and six months at a rate of 10% per annum compound interest, compounded half yearly. The amount Anu has to pay back is:

Ans

✗ A. ₹58,522.25

✓ B. ₹57,881.25

✗ C. ₹58,000

✗ D. ₹5,57,987.50

Q.32 Harish, a dealer, purchases a microwave oven for ₹11,400. He allows a discount of 32% on its marked price and still gains 15%. What is the marked price (in ₹) of the microwave oven? (Round off to the nearest ₹)

Ans

✗ A. 18,479

✗ B. 17,299

✓ C. 19,279

✗ D. 19,499

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Q.33 **Evaluate: 41 - [36 - {48 ÷ 2 - (4 - 12 ÷ 2) ÷ 2}]**

Ans

✔ A. 30

✘ B. 31

✘ C. 29

✘ D. 32

Q.34 If $p = (0.001) + 3(0.1)(0.99) + (0.3)(98.01) + (9.9)(98.01)$, then

Ans

✘ A. 50

✘ B. 400

✘ C. 40

✔ D. 540

Q.35 **What is the value of k when the 8-digit number 4345k423 is divisible by 9?**

Ans

✘ A. 3

✔ B. 2

✘ C. 0

✘ D. 1

Section : **General Intelligence and Reasoning**

Q.36 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7645238, what will be difference between the highest and second lowest digits in the number thus formed?**

Ans

✘ A. 5

✔ B. 6

✘ C. 8

✘ D. 4

Q.37 **P, Q, R, S, X and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. R lives on the topmost floor. Only three people live between R and Y. S lives on a floor below Y. X lives on an even numbered floor. Q lives on an odd numbered floor but not on floor number 5. How many people live between P and Y?**

Ans

✘ A. Three

✘ B. Four

✘ C. One

✔ D. Two

Q.38 **What should come in place of '?' in the given series?**

70 73 79 88 ? 115

Ans

✘ A. 90

✘ B. 105

✔ C. 100

✘ D. 95

Q.39 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

LBW 1 NEU −2 PHS −5 RKQ −8 ?

Ans

✘ A. TOO −11

✘ B. TNN −9

✘ C. TON −9

✔ D. TNO −11

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Q.40 Rajesh is sitting in a bench which is 4th from the first and 8th from the last in his class. How many benches are there in the class?

Ans
- ✗ A. 12
- ✗ B. 9
- ✗ C. 10
- ✓ D. 11

Q.41 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
All knives are crabs.
All knives are blades.
All knives are papers.

Conclusions:
(I) : All crabs are papers.
(II) : Some papers are blades.

Ans
- ✗ A. Neither conclusion (I) nor (II) follows
- ✗ B. Both conclusions (I) and (II) follow
- ✗ C. Only conclusion (I) follows
- ✓ D. Only conclusion (II) follows

Q.42 In a certain code language, 'FORM' is coded as '4628' and 'MEAN' is coded as '5417'. What is the code for 'M' in the given code language?

Ans
- ✗ A. 7
- ✗ B. 6
- ✗ C. 5
- ✓ D. 4

Q.43 DEBA is related to NNLJ in a certain way based on the English alphabetical order. In the same way, ROPK is related to BXZT. To which of the given options is VPTL related, following the same logic?

Ans
- ✗ A. FYUD
- ✓ B. FYDU
- ✗ C. FDUY
- ✗ D. FDYU

Q.44 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PQT UVY ZAD EFI ?

Ans
- ✗ A. JKM
- ✗ B. JKQ
- ✓ C. JKN
- ✗ D. JKU

Q.45 Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. Only five people sit between P and D. E sits to the immediate left of D. Only one person sits between E and S. C sits at some place to the left of Q but at some place to the right of R. How many people sits to the right of C?

Ans
- ✓ A. Four
- ✗ B. Two
- ✗ C. Three
- ✗ D. None

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Q.46 **If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '–', what will come in place of the question mark (?) in the following equation?**
40 B 3 C 10 D 20 A 5 = ?

Ans

✗ A. 156

✗ B. 164

✗ C. 134

✓ D. 126

Q.47 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some pigeons are crows.
All rodents are crows.
Some ants are rodents.

Conclusions:
(I) Some pigeons are ants.
(II) Some rodents are pigeons.

Ans

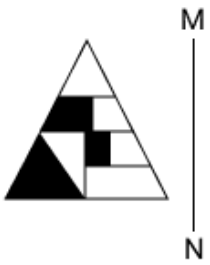
✗ A. Both conclusions (I) and (II) follow.

✓ B. Neither conclusion (I) nor (II) follows.

✗ C. Only conclusion (II) follows.

✗ D. Only conclusion (I) follows.

Q.48



Ans

✗ A.



✓ B.



✗ C.



✗ D.



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Q.49 **Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.**

GI - KM - OQ
TV - XZ - BD

Ans
- ✔ A. DF - HJ - LN
- ✘ B. FH - IK - LN
- ✘ C. LM - PQ - TV
- ✘ D. DE - GH - JK

Q.50 **What should come in place of the question mark (?) in the given series?**

140 108 80 56 36 ?

Ans
- ✘ A. 16
- ✘ B. 24
- ✘ C. 26
- ✔ D. 20

Q.51 **This question is based on the five, three-digit numbers given below.**

(Left) 254 236 287 896 814 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans
- ✘ A. 5
- ✘ B. 7
- ✔ C. 9
- ✘ D. 8

Q.52 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

JMP 16, HKN 20, FIL 24, DGJ 28, ?

Ans
- ✘ A. BHF 34
- ✘ B. AEG 35
- ✔ C. BEH 32
- ✘ D. AFG 33

Q.53 **In a certain code language, 'TIDE' is coded as '7291' and 'DATE' is coded as '1937'. What is the code for 'A' in the given code language?**

Ans
- ✘ A. 7
- ✘ B. 9
- ✔ C. 3
- ✘ D. 1

Q.54 **If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?**
35 − 4 ÷ 6 + 84 × 14 = ?

Ans
- ✘ A. 134
- ✔ B. 140
- ✘ C. 138
- ✘ D. 136

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Q.55 **What should come in place of the question mark (?) in the given series?**

5 ? 24 51 106 217

Ans

✔ A. 11

✘ B. 10

✘ C. 12

✘ D. 13

Q.56 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✘ A. GIL

✘ B. EGJ

✘ C. KMP

✔ D. SUW

Q.57 **Mr. Julian starts from Point A and drives 23 km towards east. He then takes a left turn, drives 18 km, turns left and drives 29 km. He then takes a left turn and drives 28 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)**

Ans

✘ A. 10 km to the west

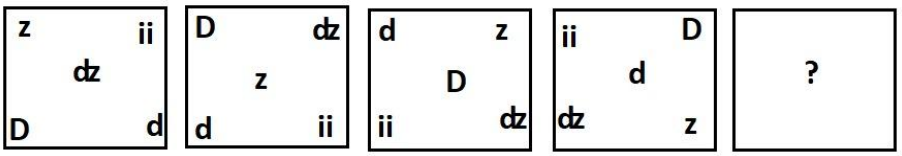
✘ B. 10 km to the east

✘ C. 10 km to the south

✔ D. 10 km to the north

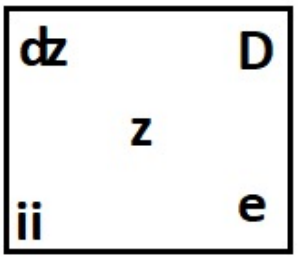
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Q.58

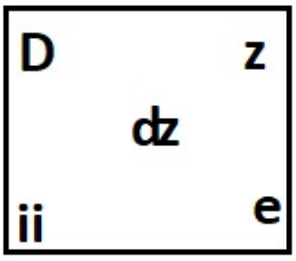


Ans

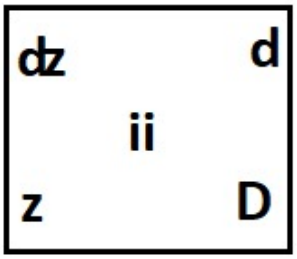
✗ A.



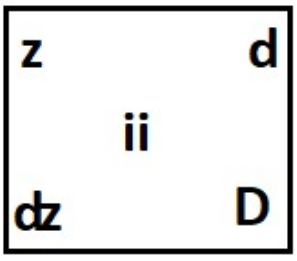
✗ B.



✓ C.



✗ D.



Q.59 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) 9 @ # 8 % £ 4 & 2 7 $ * 5 Ω 1 6 & 3 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another number?

Ans

✗ A. None

✗ B. Two

✓ C. More than two

✗ D. One

Q.60 **Six friends Y, R, A, S, P, and B are sitting around a circular table facing the centre. Y is the only person who sits between R and S, when counted from the left of R. B sits to the immediate right of A. S sits to the immediate right of B. Who sits between P and B when counted from the right of P?**

Ans

✗ A. S

✓ B. A

✗ C. R

✗ D. Y

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Q.61 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
Some buns are croissants.
Some croissants are donuts.

Conclusions:
(I) Some buns are donuts.
(II) All donuts are croissants.

Ans

✗ A. Only conclusion (II) follows.

✓ B. Neither conclusion (I) nor (II) follows.

✗ C. Only conclusion (I) follows.

✗ D. Both conclusions (I) and (II) follow.

Q.62 **In a certain code language,**

'A + B' means 'A is the sister of B',
'A – B' means 'A is the brother of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means 'A is the father of B'.

How is P related to T if 'P + Q × R ÷ S – T'?

Ans

✗ A. Mother's mother

✗ B. Father's sister

✓ C. Mother's sister

✗ D. Father's mother

Q.63 **In a certain code language,**
A = B means 'A is the sister of B',
A $ B means 'A is the brother of B',
A @ B means 'A is the wife of B',
A * B means 'A is the father of B'.

Based on the above, how is T related to K if 'T * D = S $ W @ K'?

Ans

✗ A. Brother

✗ B. Wife's brother

✓ C. Wife's father

✗ D. Father

Q.64 **NIDG is related to RLFH in a certain way based on the English alphabetical order. In the same way, JYSQ is related to NBUR. To which of the following is TRBJ related, following the same logic?**

Ans

✓ A. XUDK

✗ B. YWCJ

✗ C. VTCG

✗ D. WSEL

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Q.65 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 11, 45)
(7, 13, 53)

Ans
- ✔ A. (6, 12, 49)
- ✘ B. (8, 14, 55)
- ✘ C. (13, 7, 29)
- ✘ D. (9 15, 69)

Q.66 **L, M, N, O, P, Q, and R are sitting around a circular table facing the centre. Only one person sits between R and N when counted from the left of N. M sits third to the right of Q. L sits third to the left of O. M sits to the immediate right of L. P is not an immediate neighbour of L. How many people sit between P and N when counted from the right of P?**

Ans
- ✘ A. One
- ✘ B. Two
- ✔ C. Four
- ✘ D. Three

Q.67 **Refer to the following series and answer the question (all numbers are single digit numbers only).**
(Left) 1 5 7 9 5 8 5 7 6 2 1 3 7 4 2 1 5 6 9 7 4 3 5 2 3 4 3 (Right)
How many such even digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

Ans
- ✘ A. 7
- ✘ B. 6
- ✔ C. 5
- ✘ D. 4

Q.68 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✘ A. SQ – OT
- ✘ B. KW – GZ
- ✔ C. YM – TH
- ✘ D. CC – YF

Q.69 **Arjun starts from Point A and drives 8 km towards the south. He then takes a left turn, drives 7 km, turns left and drives 3 km. He then takes a left turn and drives 15 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)**

Ans
- ✘ A. 7 km towards the north
- ✘ B. 8 km towards the west
- ✘ C. 9 km towards the south
- ✔ D. 8 km towards the east

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Q.70 **In a certain code language, 'moon have craters' is written as 'nu mu su' and 'craters are very big' is coded as 'ku nu ru vu'. How is 'craters' coded in the given language?**

Ans
- ✔ A. nu
- ✘ B. su
- ✘ C. ku
- ✘ D. mu

Section : **General Awareness**

Q.71 **Which of the following personalities is NOT a well-known tabla player of India?**

Ans
- ✘ A. Zakir Hussain
- ✘ B. Pt. Kishan Maharaj
- ✔ C. Hari Prasad Chaurasia
- ✘ D. Allah Rakha

Q.72 **What type of rainfall occurs along the Western Ghats due to moist air being obstructed and forced to rise along the Ghats?**

Ans
- ✘ A. Cyclonic rainfall
- ✔ B. Orographic rainfall
- ✘ C. Convectional rainfall
- ✘ D. Frontal rainfall

Q.73 **At the highest point of a body thrown vertically upward, the acceleration is _____.**

Ans
- ✘ A. 1. 9.81 m/s^2 acting upward
- ✘ B. 2. 0 m/s^2 acting upward
- ✔ C. 3. 9.81 m/s^2 acting downward
- ✘ D. 4. 0 m/s^2 acting downward

Q.74 **Ustad Amjad Ali Khan is a highly acclaimed Indian _____ player and composer.**

Ans
- ✘ A. flute
- ✘ B. tabla
- ✘ C. harmonium
- ✔ D. sarod

Q.75 **Match the columns.**

List-I (Term) List-II (Description of Tax)
A) Halivakara I. Ploughshare tax
B) Hiranya II. Gold tax
C) Udranga III. Land tax
D) Shulka IV. Customs

Ans
- ✘ A. A-I; B-II; C-IV; D-III
- ✘ B. A-IV; B-I; C-III; D-II
- ✘ C. A-III; B-I; C-IV; D-II
- ✔ D. A-I; B-II; C-III; D-IV

Q.76 **Through which platform can Small Finance Banks offer pre-sanctioned credit lines, as per RBI's December 2024 announcement?**

Ans
- ✘ A. National Electronic Funds Transfer
- ✘ B. Immediate Payment Service
- ✘ C. Real Time Gross Settlement
- ✔ D. Unified Payments Interface

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Q.77 **Lord Canning announced a Durbar after the Revolt of 1857 at:**

Ans
- ✗ A. Delhi
- ✗ B. Lucknow
- ✗ C. Agra
- ✓ D. Allahabad

Q.78 **According to Voice of Healthcare report published on 10 October 2024, IIT Indore has developed a compact and affordable device for early detection of which type of cancer, especially for women in rural and remote areas?**

Ans
- ✗ A. Ovarian cancer
- ✗ B. Skin cancer
- ✗ C. Cervical cancer
- ✓ D. Breast cancer

Q.79 **_____ is one of the important nuclear power projects located in the Indian state of Maharashtra.**

Ans
- ✗ A. Kaiga
- ✗ B. Rawatbhata
- ✗ C. Kakrapar
- ✓ D. Tarapur

Q.80 **The 2024 Laureus Sports Awards ceremony was held in which of the following cities?**

Ans
- ✓ A. Madrid
- ✗ B. New York
- ✗ C. London
- ✗ D. Beijing

Q.81 **For which body part or organ did the Indian Institute of Technology Madras researchers develop an enhanced drug delivery method in October 2024?**

Ans
- ✗ A. Nose
- ✗ B. Pancreas
- ✓ C. Eyes
- ✗ D. Liver

Q.82 **What was used in the Vedic period as a unit of money in the barter system?**

Ans
- ✗ A. Copper coins
- ✗ B. Arms
- ✓ C. Cattle
- ✗ D. Silver coins

Q.83 **Under which Article of the Indian Constitution does the Supreme Court have the power to grant Special Leave to Appeal?**

Ans
- ✗ A. Article 143 of the Constitution of India
- ✗ B. Article 124 of the Constitution of India
- ✗ C. Article 226 of the Constitution of India
- ✓ D. Article 136 of the Constitution of India

Q.84 **Which union territory was established in 1966?**

Ans
- ✗ A. Delhi
- ✗ B. Goa
- ✓ C. Chandigarh
- ✗ D. Andaman and Nicobar Islands

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Q.85 **In August 2024, the Central Government introduced a bill in the Lok Sabha to provide reservation for which group in the Goa Legislative Assembly?**

Ans
- ✗ A. Economically weaker section
- ✗ B. Women
- ✗ C. Transgender people
- ✓ D. Scheduled Tribes

Q.86 **How does the Economic Survey 2024 describe the current investment climate for private sector growth?**

Ans
- ✗ A. Dependent on foreign direct investment
- ✓ B. Encouraging with strong momentum
- ✗ C. Uncertain due to inflation
- ✗ D. Restrictive due to high-interest rates

Q.87 **Beri Beri is a nutritional deficiency disease that is caused by a deficiency of ____.**

Ans
- ✗ A. Vitamin A
- ✓ B. Vitamin B1
- ✗ C. Vitamin C
- ✗ D. Vitamin D

Q.88 **In which year was the 1905 partition of Bengal reversed?**

Ans
- ✗ A. 1906
- ✗ B. 1919
- ✓ C. 1911
- ✗ D. 1909

Q.89 **What structural challenge has India faced in achieving inclusive growth since the 1991 reforms?**

Ans
- ✓ A. Disparities in regional development and rural-urban divide
- ✗ B. Excessive government intervention in private industries
- ✗ C. Decline in service sector output
- ✗ D. Over-reliance on the agricultural sector

Q.90 **Rural development mainly focuses on improving the quality of life for:**

Ans
- ✗ A. urban residents
- ✗ B. government officials
- ✗ C. industrial workers
- ✓ D. rural population

Q.91 **Which Indian shooter won a gold medal in the men's 10 m air rifle event at the ISSF World Cup 2024, Cairo?**

Ans
- ✗ A. Rudrankksh Balasaheb Patil
- ✓ B. Divyansh Singh Panwar
- ✗ C. Sandeep Singh
- ✗ D. Arjun Babuta

Q.92 **Which country topped the medals tally at the summer Paris Olympics, 2024?**

Ans
- ✓ A. The USA
- ✗ B. Japan
- ✗ C. France
- ✗ D. China

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Q.93 **Lasers have a wide range of applications across various fields. The acronym 'LASER' stands for ____.**

Ans

✗ A. Laser Application in Scientific and Experimental Research

✗ B. Light And Sound Energy Radiation

✗ C. Light Amplification by Spontaneous Emission of Radiation

✓ D. Light Amplification by Stimulated Emission of Radiation

Q.94 **Which film won the Best Feature Film award at the 70th National Film Awards 2024?**

Ans

✗ A. Thiruchitrambalam

✗ B. Kantara

✗ C. Ponniyin Selvan I

✓ D. Aattam

Q.95 **Which of the following statements is/are correct regarding the district judiciary?**

1. The Supreme Court has declared the independence of the district judiciary as a crucial part of the Constitution's basic structure.
2. The term 'subordinate judiciary' is used to describe district judges, as per constitutional provisions.
3. The Constitution recognises and protects district judges as vital components of the judicial system.

Ans

✗ A. Only 2

✗ B. Only 2 and 3

✓ C. Only 1 and 3

✗ D. 1, 2 and 3

Q.96 **In May 2024, the Supreme Court reserved what percentage of seats in the executive committee of the Supreme Court Bar Association (SCBA) for women?**

Ans

✗ A. 15%

✗ B. 50%

✓ C. 33%

✗ D. 29%

Q.97 **_____ is the finest form of Anibaddha sangeeta which is not restricted by meaningful words and tala.**

Ans

✗ A. Tanam

✗ B. Javali

✓ C. Alap

✗ D. Tilana

Q.98 **The Right to Privacy was declared a Fundamental Right under which of the following Articles?**

Ans

✗ A. Article 14

✓ B. Article 21

✗ C. Article 19

✗ D. Article 22

Q.99 **In November 2024, the Ayushman Bharat Health Insurance scheme was extended to cover senior citizens above what age?**

Ans

✓ A. 70 years

✗ B. 75 years

✗ C. 65 years

✗ D. 68 years

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Q.100 **Which Five-Year Plan in India emphasised the concept of 'Inclusive Growth' focusing on social equity and rural development?**

Ans
- ✔ A. Sixth Plan
- ✘ B. Third Plan
- ✘ C. Second Plan
- ✘ D. Fourth Plan

Q.101 **Which of the following crops was primarily associated with the Green Revolution in India?**

Ans
- ✘ A. Oil
- ✘ B. Pulses
- ✔ C. Wheat
- ✘ D. Cotton

Q.102 **Which of the following buildings were attacked by the sepoys during the Revolt of 1857?**

Ans
- ✔ A. Jail, treasury, telegraph office and bungalows
- ✘ B. Markets and local shops
- ✘ C. Hospitals and schools
- ✘ D. Temples and mosques

Q.103 **A settlement with fewer than 5,000 people is classified as ____.**

Ans
- ✘ A. a district
- ✘ B. a town
- ✘ C. a city
- ✔ D. a village

Q.104 **Which pass in the Himalayas connects Himachal Pradesh with Ladakh?**

Ans
- ✘ A. Zoji La
- ✘ B. Nathu La
- ✔ C. Baralacha La
- ✘ D. Bum La

Q.105 **Which of the following words were added in the Preamble of the Indian Constitution by the 42nd Constitutional Amendment Act?**

Ans
- ✘ A. Republic and Secular
- ✘ B. Democratic and Socialist
- ✔ C. Socialist and Secular
- ✘ D. Republic and Socialist

Q.106 **The distribution of powers between the Union and the States in terms of the Union List, State List and Concurrent List is under which Schedule of the Indian Constitution?**

Ans
- ✔ A. Seventh Schedule
- ✘ B. Fifth Scedule
- ✘ C. Fourth Schedule
- ✘ D. Sixth Schedule

Q.107 **A graph of Fahrenheit temperature versus Celsius temperature is a straight line, whose intercept is ____.**

Ans
- ✘ A. 0°F
- ✔ B. 32°F
- ✘ C. 100°C
- ✘ D. 32°C

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Q.108 Who led the fight against the British in Lucknow during the revolt of 1857?

Ans

✗ A. Wajid Ali Shah

✗ B. Awadh Singh

✓ C. Begum Hazrat Mahal

✗ D. Hanwant Singh

Q.109 Which of the following States/Union Territories is NOT a part of the Northern Plains of India?

Ans

✓ A. Chhattisgarh

✗ B. Uttar Pradesh

✗ C. Bihar

✗ D. Delhi

Q.110 Jhulan Yatra is a _____ festival dedicated to the Hindu deities Radha and Krishna.

Ans

✓ A. monsoon

✗ B. spring

✗ C. winter

✗ D. summer

Q.111 Which of the following was launched to support farmers and enhance agricultural productivity in 2000?

Ans

✗ A. Rural Employment Generation Programme

✗ B. Operation Flood

✓ C. National Agriculture Policy

✗ D. Green Revolution

Q.112 Which of the following is highlighted as 'encouraging' in terms of economic indicators in the Economic Survey 2024?

Ans

✗ A. Global trade partnerships

✗ B. Government expenditure

✗ C. Private investment

✓ D. Agricultural export growth

Q.113 How much did ICICI Bank's total advances grow on a year-on-year basis in Q3 2024?

Ans

✗ A. 3.9%

✓ B. 18.5%

✗ C. 21.4%

✗ D. 15.8%

Q.114 Which organisation partnered with The Times of India (TOI) to launch a nationwide campaign on digital payment safety, in October 2024?

Ans

✗ A. State Bank of India (SBI)

✗ B. Indian Banks' Association (IBA)

✓ C. National Payments Corporation of India (NPCI)

✗ D. Reserve Bank of India (RBI)

Q.115 What clarion call did Mahatma Gandhi make to the nation on the eve of 8 August 1942?

Ans

✗ A. Vande Mataram

✓ B. Do or Die

✗ C. Simon Go Back

✗ D. Give Me Blood, and I Will Give You Freedom

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Q.116 **What is the approximate population of Scheduled tribes in India according to Census 2011?**

Ans

✗ A. 8.45 crores

✗ B. 5.45 crores

✓ C. 10.42 crores

✗ D. 15.45 crores

Q.117 **If k is the spring's force constant and x is the displacement from its undeformed position of a spring, then the potential energy (V) of the spring is:**

Ans

✗ A. V = kx/2

✗ B. 2. V = $x^2/2k$

✓ C. 3. V = $kx^2/2$

✗ D. 4. V = kx^2

Q.118 **Which Indian state is surrounded by three international borders?**

Ans

✓ A. Sikkim

✗ B. Nagaland

✗ C. Tripura

✗ D. Assam

Q.119 **According to the Constitution, which body is responsible for creating or abolishing a legislative council in a state?**

Ans

✗ A. The President of India

✗ B. The Supreme Court

✓ C. The Parliament of India

✗ D. The Governor of the State

Q.120 **What was the major reason for the poor performance of the agriculture sector during the 1960s?**

Ans

✗ A. Low investment in technology

✗ B. Overdependence on imports

✓ C. Frequent droughts and famines

✗ D. Lack of skilled labour

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Test Date	07/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **Find the compound interest (in ₹) on ₹2,00,000 in 1.5 years at 4% per annum, the interest being compounded half-yearly.**

Ans
- ✗ A. 12,221.60
- ✓ B. 12,241.60
- ✗ C. 12,441.60
- ✗ D. 12,421.60

Q.2 **A bike goes 48 meters in a second. Find its speed in km/hr.**

Ans
- ✗ A. 164.8
- ✓ B. 172.8
- ✗ C. 164.3
- ✗ D. 167.6

Q.3 **Find the largest number which divides 436, 530, 624 and 718, leaving 13 as the remainder in each case.**

Ans
- ✗ A. 19
- ✗ B. 43
- ✓ C. 47
- ✗ D. 29

Q.4 The value of $\frac{(1.8)^3 - (1.2)^3}{(1.8)^2 + 2.16 + (1.2)^2}$ is:

Ans
- ✗ A. 0.6
- ✓ B. 0
- ✗ C. 1.8
- ✗ D. 3

Q.5 **A cube has a surface area of 294 m^2. What is the length (in cm) of the side of the cube?**

Ans
- ✗ A. 0.7 m
- ✗ B. 700 m
- ✗ C. 0.7 cm
- ✓ D. 700 cm

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Q.6 **Train A leaves station M at 6:20 AM and reaches station N at 3:20 PM on the same day. Train B leaves station N at 8:20 AM and reaches station M at 2:20 PM on the same day. Find the time when Trains A and B meet.**

Ans

✗ A. 3:30 PM

✗ B. 7:38 PM

✗ C. 9:51 AM

✓ D. 11:08 AM

Q.7 **Raju buys a mobile phone for ₹14,500 and sells it at a loss of 25%. What is the selling price of the mobile phone?**

Ans

✗ A. ₹12,500

✗ B. ₹11,795

✗ C. ₹13,250

✓ D. ₹10,875

Q.8 **What least value must be given to 'a' so that the number 3a4860115 is exactly divisible by 9?**

Ans

✓ A. 8

✗ B. 9

✗ C. 5

✗ D. 2

Q.9 **Find the effective discount for the scheme: Buy 3, get 2 free.**

Ans

✗ A. 20%

✓ B. 40%

✗ C. 30%

✗ D. 60%

Q.10 **The monthly incomes of two friends Ajay and Amit, are in the ratio 5 : 7 respectively and each of them saves ₹72000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Ajay(in ₹).**

Ans

✗ A. 168000

✗ B. 121000

✓ C. 120000

✗ D. 119000

Q.11 **The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 124. Find the average of the remaining two numbers?**

Ans

✓ A. 188.5

✗ B. 189.5

✗ C. 202

✗ D. 201

Q.12

Find the value of $40^{-7} \div 40^{19} \times 40^{4}$

Ans

✗ A. 1.
40^{-29}

✗ B. 2.
40^{-33}

✗ C. 3.
40^{-28}

✓ D. 4.
40^{-30}

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Q.13 **Find the value of 0.38 × 0.5 − 2.35 + 1.96 − 0.25 + 0.85.**

Ans

✗ A. 0.04

✓ B. 0.4

✗ C. 1.4

✗ D. 1.04

Q.14 Akshay started a business, and he invested ₹60,000. After some mon

Ans

✗ A. 7

✓ B. 8

✗ C. 9

✗ D. 11

Q.15 An electric pump can fill a tank in 6 hours. Due to a leakage in the tan

Ans

✗ A. 18 hrs

✗ B. 38 hrs

✗ C. 36 hrs

✓ D. 17 hrs

Q.16 **The sum of 8 numbers is 732. Find their average.**

Ans

✓ A. 91.5

✗ B. 89.5

✗ C. 92.5

✗ D. 90.5

Q.17 **Two trains of equal length are running on parallel lines in the same direction at speeds of 49 km/h and 31 km/h. The faster train passes the slower train in 42 seconds. The length of each train is:**

Ans

✓ A. 105 meters

✗ B. 95 meters

✗ C. 124 meters

✗ D. 103 meters

Q.18 **Find the value of** $\left(\frac{1}{4}\right)^{-4} + \left(\frac{1}{2}\right)^{-4} + \left(\frac{1}{6}\right)^{-4}$.

Ans

✓ A. 1568

✗ B. 1577

✗ C. 1562

✗ D. 1563

Q.19 **A hollow spherical shell is made of a metal of density 3 g/cm^3. Its internal and external radius are 15 cm and 18 cm, respectively. What is the weight (in kg) of the shell ?**

$(take\ \pi = \frac{22}{7})$

Ans

✗ A. 32.42

✗ B. 32.35

✗ C. 27.888

✓ D. 30.888

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Q.20 The ratio of the sides of a rectangle and a regular hexagon is 4 : 3. The ratio of their areas is _____.

Ans

✗ A. $16 : 27\sqrt{3}$

✓ B. $32 : 27\sqrt{3}$

✗ C. $32 : 27\sqrt{2}$

✗ D. $24 : 27\sqrt{3}$

Q.21 **The price of a car was ₹7,50,000 last year. The price increased by 15% this year. What is the price of the car this year?**

Ans

✗ A. ₹8,50,500

✓ B. ₹8,62,500

✗ C. ₹7,75,500

✗ D. ₹9,02,500

Q.22 **The average of first 101 even numbers is**

Ans

✓ A. 102

✗ B. 102.5

✗ C. 103

✗ D. 101.5

Q.23 **A number when increased by 50 %, gives 2520. The number is:**

Ans

✗ A. 5040

✗ B. 3360

✓ C. 1680

✗ D. 840

Q.24 **In a race, an athlete covers a distance of 312 m in 52 sec in the first lap. He covers the second lap of the same length in 156 sec. What is the average speed (in m/sec) of the athlete?**

Ans

✗ A. 1

✗ B. 5

✗ C. 11

✓ D. 3

Q.25 **In what ratio should sugar costing ₹83 per kg be mixed with sugar costing ₹46 per kg so that by selling the mixture at ₹80.3 per kg, there is a profit of 46%?**

Ans

✗ A. 8 : 30

✓ B. 9 : 28

✗ C. 10 : 27

✗ D. 7 : 30

Q.26 **The average weight of a class of 82 students is 62.5 kg. If the average weight of half of the students is 83.6 kg, then find the average weight (in kg) of the remaining students of the class.**

Ans

✗ A. 46.2

✗ B. 48.6

✗ C. 52.9

✓ D. 41.4

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Q.27 **The value of**

$$\sqrt{361} + \sqrt{0.04} - \sqrt{6.76} =$$

Ans

✗ A. 12.33

✗ B. 10.51

✗ C. 3.62

✓ D. 16.6

Q.28 **The least multiple of 11, which leaves a remainder of 8, when divided by 5, 3, 18 and 20 is:**

Ans

✗ A. 908

✓ B. 1628

✗ C. 548

✗ D. 1088

Q.29 **Shifa can do a certain piece of work in 22 days. Shifa and Afiya can together do the same work in 18 days, and Shifa, Afiya and Mariyam can do the same work together in 9 days. In how many days can Shifa and Mariyam do the same work?**

Ans

✗ A. $\frac{104}{10}$

✗ B. $\frac{108}{12}$

✓ C. $\frac{99}{10}$

✗ D. $\frac{106}{11}$

Q.30 **Ali ordered an LED screen from an online portal. The online portal allows two successive discounts of 12.5% and 25% on the marked price. If payment is made by credit card, there is another discount of 10% on the bill. If Ali made a payment of ₹59,062.50 by credit card, then the marked price of the LED screen is:**

Ans

✗ A. ₹1,02,500

✓ B. ₹1,00,000

✗ C. ₹1,20,075

✗ D. ₹90,650

Q.31 **A retailer buys an electronic item for ₹175. His overhead expenses are ₹25. He sells the electronic item for ₹320 and makes x%' profit. The value of x is:**

Ans

✗ A. 40

✗ B. 50

✗ C. 80

✓ D. 60

Q.32 **What is the amount, including the interest, if ₹45,000 is invested for 3 years at the rate of 10% per annum compounded annually?**

Ans

✓ A. ₹59,895

✗ B. ₹59,890

✗ C. ₹59,885

✗ D. ₹59,900

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Q.33 **If 30 , 50 , 96 , and y are in proportion, then the value of y is:**

Ans
- ✔ A. 160
- ✘ B. 155
- ✘ C. 150
- ✘ D. 158

Q.34 **Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Vijay borrowed an amount of ₹400000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Vijay after 3 years.**

Ans
- ✘ A. 31000
- ✔ B. 30000
- ✘ C. 31500
- ✘ D. 29500

Q.35 **If 6 girls and 8 boys can complete a project work in 10 days, whereas 26 girls and 48 boys can do the same work in 2 days, then find the time taken by 10 girls and 30 boys to do the same type of work.**

Ans
- ✘ A. 9 days
- ✘ B. 3 days
- ✔ C. 4 days
- ✘ D. 10 days

Section : **General Intelligence and Reasoning**

Q.36 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

CO 72, KI 76, SC 82, AW 90, ?

Ans
- ✘ A. HQ 98
- ✘ B. IQ 98
- ✘ C. HQ 100
- ✔ D. IQ 100

Q.37 **In a certain code language, 'GOLD' is coded as '3814' and 'LOAD' is coded as '4168'. What is the code for 'A' in the given code language?**

Ans
- ✘ A. 8
- ✘ B. 1
- ✔ C. 6
- ✘ D. 4

Q.38 **Select the number from among the given options that can replace the question mark (?) in the following series.**

10 14 34 62 130 ?

Ans
- ✘ A. 250
- ✘ B. 252
- ✔ C. 254
- ✘ D. 259

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Q.39 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) > < 3 * $ # 2 2 & \ 1 * 4 5 4 ^ * $ 7 \ 8 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

Ans

✗ A. None

✓ B. Two

✗ C. Three

✗ D. One

Q.40 **In a certain code language, 'WIDE' is coded as '2783' and 'DIET' is coded as '8742'. What is the code for 'T' in the given code language?**

Ans

✓ A. 4

✗ B. 8

✗ C. 7

✗ D. 2

Q.41 **If '+' means '−', '−' means '×', '×' means '÷', and '÷' means '+', then what will come in place of the question mark (?) in the following equation?**
25 + 7 ÷ 3 − 12 × 4 = ?

Ans

✗ A. 19

✗ B. 11

✓ C. 27

✗ D. 15

Q.42 **In a certain code language, 'DESK' is coded as '9125' and 'SOKE' is coded as '1352'. What is the code for 'O' in the given code language?**

Ans

✓ A. 3

✗ B. 1

✗ C. 5

✗ D. 2

Q.43 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. DB

✗ B. CA

✗ C. AD

✓ D. EF

Q.44 **Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.**
WSR−UQP
FBA−DZY

Ans

✓ A. QML−OKJ

✗ B. UPN−SON

✗ C. UQP−ROM

✗ D. UPN−RNM

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Q.45 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) / < @ * * 2 @ < ^ @ 8 $ 2 $ # ? 4 6 5 ^ < (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

Ans

✗ A. Four

✗ B. Three

✗ C. Two

✓ D. One

Q.46 **PUCD is related to NTEE in a certain way based on the English alphabetical order. In the same way, HQKH is related to FPMI. To which of the following is BNQK related, following the same logic?**

Ans

✗ A. LJSK

✗ B. MSLK

✗ C. KLSM

✓ D. ZMSL

Q.47 **Seven people, L, M, N, O, P, Q and R, are sitting in a straight line facing north. P is sitting to the immediate right of M and immediate left of L. Q is sitting to the immediate right of O and immediate left of R. R is sitting at one of the ends of the line. N is sitting to the immediate left of O. L is sitting to the immediate left of N. Who is sitting between P and N?**

Ans

✗ A. O

✓ B. L

✗ C. M

✗ D. Q

Q.48 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 26, 20)
(18, 31, 25)

Ans

✗ A. (37, 24, 18)

✓ B. (21, 34, 28)

✗ C. (14, 27, 33)

✗ D. (15, 27, 21)

Q.49 **Each of A, B, C, D, E, F and G has an exam on a different day of the week starting from Monday and ending on Sunday of the same week. Only two people have an exam before F. A has an exam immediately after F. E is not the last person to have an exam. G has an exam immediately before E which is on Friday. C is not the first person to have the exam. D has an exam immediately before F. Only one person has an exam between A and E. Who has an exam on Monday?**

Ans

✗ A. G

✗ B. A

✓ C. B

✗ D. D

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Q.50 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All bins are lamps.
All fans are lamps.

Conclusions:
(I) : Some bins are fans.
(II) : Some lamps are fans.

Ans
- ✗ A. Neither conclusion (I) nor (II) follows
- ✗ B. Both conclusions (I) and (II) follow
- ✗ C. Only conclusion (I) follows
- ✓ D. Only conclusion (II) follows

Q.51 **Binod starts from Point A and drives 13 km towards south. He then takes a left turn, drives 19 km, turns left and drives 22 km. He then takes a left turn and drives 24 km. He takes a final left turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)**

Ans
- ✗ A. 6 km to the west
- ✓ B. 5 km to the east
- ✗ C. 3 km to the east
- ✗ D. 4 km to the west

Q.52 **Which signs and numbers should be interchanged to make the following equation correct?**
3 × 5 + 2 − 1 = 12

Ans
- ✗ A. × and −, 2 and 5
- ✗ B. − and +, 5 and 2
- ✗ C. + and ×, 3 and 2
- ✓ D. + and ×, 2 and 5

Q.53 **In a certain code language,**
A # B means 'A is the son of B'
A % B means 'A is the brother of B'
A − B means 'A is the wife of B'
A @ B means 'A is the father of B'

Based on the above, how is C related to K if 'C − O % M @ P # K'?

Ans
- ✓ A. Husband's brother's wife
- ✗ B. Wife's sister
- ✗ C. Brother's wife
- ✗ D. Husband's brother's wife's daughter

Q.54 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans
- ✓ A. NTY
- ✗ B. YDI
- ✗ C. QVA
- ✗ D. GLQ

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Q.55 **What should come in place of the question mark (?) in the given series?**

9 13 21 33 49 ?

Ans

✗ A. 71

✗ B. 70

✓ C. 69

✗ D. 68

Q.56 **What should come in place of the question mark (?) in the given series?**

18 27 22 32 30 42 42 ?

Ans

✗ A. 52

✗ B. 48

✓ C. 57

✗ D. 54

Q.57 **Mr. F starts from Point A and drives 1 km towards the west. He then takes a left turn, drives 6 km, turns left and drives 3 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✓ A. 3 km towards the south

✗ B. 3 km towards the west

✗ C. 4 km towards the east

✗ D. 3 km towards the north

Q.58 **This question is based on the five, three-digit numbers given below.**

(Left) 265 876 219 457 356 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the second highest number is multiplied with the third digit of the lowest number?

Ans

✗ A. 47

✓ B. 45

✗ C. 49

✗ D. 43

Q.59 **Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. Only two people sits to the left of R. Only three people sit between D and R. Only two people sit between R and S. E sits third to the left of P. C sits to the immediate right of P. How many people sit between Q and S?**

Ans

✗ A. Two

✗ B. None

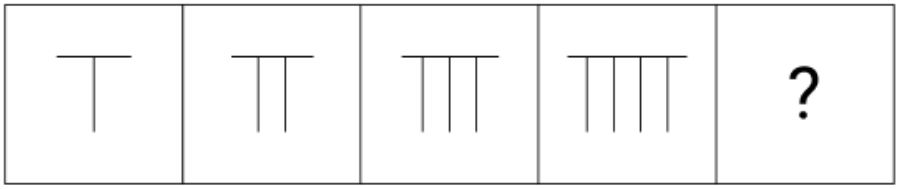
✗ C. One

✓ D. Three

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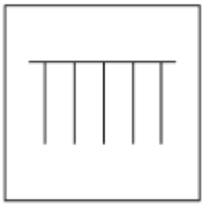
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Q.60

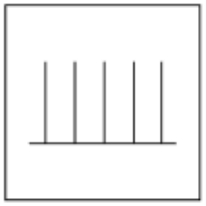


Ans

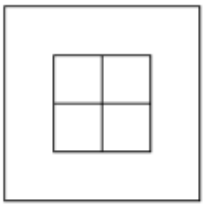
✔ A.



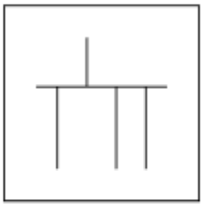
✘ B.



✘ C.



✘ D.



Q.61 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All jaggery are fondants.
No jaggery is a sugar.
All sugars are candies.
Conclusions:
(I): No candy is a fondant.
(II): Some candies are jaggery.

Ans

✘ A. Only conclusion (I) follows.

✘ B. Only conclusion (II) follows.

✔ C. Neither conclusion (I) nor (II) follows.

✘ D. Both conclusions (I) and (II) follow.

Q.62 **What should come in place of '?' in the given series based on the English alphabetical order?**

NPI LNG JLE HJC ?

Ans

✔ A. FHA

✘ B. FGB

✘ C. FGA

✘ D. FHB

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Q.63 **In a certain code language,**
A + B means 'A is the mother of B'
A – B means 'A is the father of B'
A × B means 'A is the sister of B'
A / B means 'A is the brother of B'
A > B means 'A is the husband of B'
A * B means 'A is the wife of B'

How is O related to U if O * K – T X U / M?

Ans

✗ A. Mother's mother

✗ B. Father's mother

✗ C. Father

✓ D. Mother

Q.64 **SIOU is related to WHST in a certain way based on the English alphabetical order. In the same way, ZCGP is related to DBKO. To which of the following is JNRC related, following the same logic?**

Ans

✓ A. NMVB

✗ B. MOUA

✗ C. OLWA

✗ D. MLUB

Q.65 **What will be the value of the following expression, if the '÷' and the '+' signs are interchanged?**
8 − 4 × 2 ÷ 7 − 1 ÷ 5 − 8 + 4 × 1

Ans

✓ A. 9

✗ B. 12

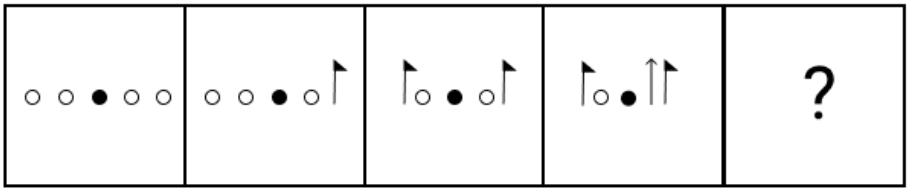
✗ C. 6

✗ D. 4

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Q.66

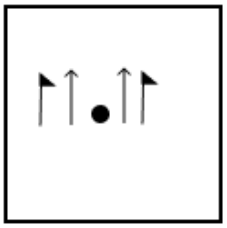


Ans

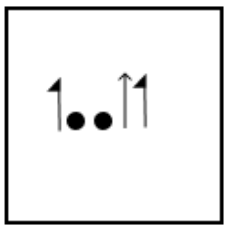
✗ A.



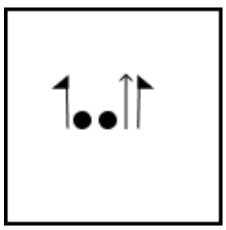
✓ B.



✗ C.



✗ D.



Q.67 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans

✗ A. ZPF

✓ B. IXN

✗ C. PFV

✗ D. JZP

Q.68 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All coats are hats.
Some shoes are hats.
No balloons are hats.

Conclusions:
(I) No balloons are shoes.
(II) Some shoes are coats.

Ans

✓ A. Neither conclusion (I) nor (II) follows.

✗ B. Only conclusion (I) follows.

✗ C. Only conclusion (II) follows.

✗ D. Both conclusions (I) and (II) follow.

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Q.69 **Seven boxes R, E, S, U, L, T and Z are kept one over the other but not necessarily in the same order. No box is kept above E. L is kept immediately below E. Only four boxes are kept between L and Z. Only two boxes are kept between S and U. R is kept immediately above T. U is not kept immediately above R. How many boxes are kept below R?**

Ans
- ✗ A. Two
- ✗ B. Zero
- ✓ C. Three
- ✗ D. One

Q.70 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**
AEC10 FJH15 KOM20 PTR25 ?

Ans
- ✗ A. XYZ30
- ✗ B. TSR27
- ✗ C. KLJ30
- ✓ D. UYW30

Section : **General Awareness**

Q.71 **India Post's Speed Post service was introduced in:**

Ans
- ✗ A. 1980
- ✓ B. 1986
- ✗ C. 1976
- ✗ D. 1991

Q.72 **An electric fan of resistance 110 ohms is plugged into potential difference of 220 V. How much current flows through the fan?**

Ans
- ✗ A. ½ A
- ✗ B. 4 A
- ✗ C. ¼ A
- ✓ D. 2A

Q.73 **Which industry was the most prominent in India before the British rule, though it had significant regional variations?**

Ans
- ✗ A. Mining
- ✗ B. Sugar mills
- ✗ C. Tea and coffee plantations
- ✓ D. Cotton textiles

Q.74 **Which slogan was associated with the extremist phase of the Indian National Movement?**

Ans
- ✓ A. Freedom is My Birthright and I Shall Have It
- ✗ B. Inquilab Zindabad
- ✗ C. Give me Blood, and I Shall Give Your Freedom
- ✗ D. Sarfaroshi ki Tamanna, Ab Humare Dil Me Hai

Q.75 **What was the fate of Rani Lakshmibai of Jhansi after the Battle of Gwalior in 1858?**

Ans
- ✗ A. She was exiled to Britain.
- ✗ B. She became the ruler of Gwalior.
- ✓ C. She died fighting in battle.
- ✗ D. She was captured and executed.

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Q.76 **In December 2024, the Bharat Defence Summit (BDS) 2024 was held in ____.**

Ans

✗ A. Ahmedabad

✓ B. New Delhi

✗ C. Chennai

✗ D. Mumbai

Q.77 **Radioactivity refers to the rate at which a particular nuclide undergoes radioactive decay. Which of the following units is used to measure radioactivity?**

Ans

✓ A. Curie

✗ B. Candela

✗ C. Roentgen

✗ D. Weber

Q.78 **Who is considered the de facto executive authority at the state level in India's parliamentary system?**

Ans

✓ A. Chief Minister

✗ B. Governor

✗ C. State Advocate General

✗ D. Speaker of the Legislative Assembly

Q.79 **_____ dance form is also known as Ekaharya, where one dancer takes on many roles in a single performance.**

Ans

✗ A. Kathakali

✓ B. Bharatnatyam

✗ C. Sattriya

✗ D. Kathak

Q.80 **As of October 2024, Sensex touched an all-time high in which of the following months?**

Ans

✗ A. August 2024

✓ B. September 2024

✗ C. May 2024

✗ D. July 2024

Q.81 **The Gandhian view of development also visualises (a) _____ role for the state in the development process.**

Ans

✗ A. full

✗ B. major

✗ C. no

✓ D. small

Q.82 **Which of the following persons is very famous for his sitar playing in India?**

Ans

✗ A. Pt. Vishwa Mohan Bhatt

✗ B. Zia Mohiuddin Dagar

✓ C. Pt. Ravi Shankar

✗ D. Asad Ali Khan

Q.83 **Which of the following tribes is primarily found on the Andaman and Nicobar Islands?**

Ans

✗ A. Koraga

✗ B. Kadar

✗ C. Totos

✓ D. Onge

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Q.84 **Which of the following is NOT true regarding the revolt of 1857?**

Ans

✗ A. Bahadur Shah was the Mughal emperor during the 1857 revolt in India.

✗ B. It is known as the first war of independence.

✗ C. It was a sepoy mutiny.

✓ D. It was a successful revolt against the Britishers.

Q.85 **In the Indian tradition, which of the following is NOT one of the six two-monthly seasons?**

Ans

✓ A. Pravara

✗ B. Vasanta

✗ C. Sharada

✗ D. Hemant

Q.86 **Which of the following deities is associated with the festival Onam?**

Ans

✗ A. Lord Krishna

✗ B. Lord Rama

✓ C. Lord Vishnu

✗ D. Lord Ganesha

Q.87 **Who among the following has the power to enforce the Fundamental Rights under Article 32?**

Ans

✗ A. State Governments

✓ B. Supreme Court

✗ C. Parliament

✗ D. President

Q.88 **The present system of atomic masses is based on _____ as the standard.**

Ans

✗ A. Nitrogen-14

✗ B. Hydrogen-1

✗ C. Oxygen-16

✓ D. Carbon-12

Q.89 **The right to work is mentioned under ____ of the Indian Constitution.**

Ans

✗ A. Article 40

✗ B. Article 39

✗ C. Article 38

✓ D. Article 41

Q.90 **Which of the following states is the largest producer of coffee in India, according to the Coffee Board of India's estimates in the 2022-23 crop year?**

Ans

✗ A. Andhra Pradesh

✗ B. Tamil Nadu

✗ C. Kerala

✓ D. Karnataka

Q.91 **_____ is a traditional sport of Tamil Nadu, which was introduced as a demo sport for the first time in Khelo India Youth Games 2023, held in January 2024.**

Ans

✗ A. Kalaripayattu

✓ B. Silambam

✗ C. Gatka

✗ D. Thang ta

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Q.92 **With the launch of Digi Yatra services at nine more airports in September 2024, the number of airports enabled with this facility in India has reached to ____.**

Ans

✗ A. 14

✗ B. 21

✓ C. 24

✗ D. 19

Q.93 **The Bharatiya Vayuyan Vidheyak, 2024, replaces which of the following Acts?**

Ans

✗ A. The Aircraft (Amendment) Act, 2020

✗ B. Air Corporations Act, 1953

✗ C. The Airports Economic Regulatory Authority of India (AERA) Act, 2008

✓ D. The Aircraft Act, 1934

Q.94 **Classical singer Kishori Amonkar is associated with which of the following music Gharanas?**

Ans

✗ A. Dagari Gharana

✓ B. Jaipur-Atrauli Gharana

✗ C. Bishnupur Gharana

✗ D. Mewati Gharana

Q.95 **Which of the following is a primary activity in rural areas?**

Ans

✗ A. Software development

✗ B. Banking

✗ C. Manufacturing

✓ D. Agriculture

Q.96 **What was the gross inward Foreign Direct Investment (FDI) in India during April-August 2024?**

Ans

✗ A. US $27.4 billion

✓ B. US $36.1 billion

✗ C. US $23.5 billion

✗ D. US $9.6 billion

Q.97 **Which state was carved out of Assam as an autonomous state in 1970?**

Ans

✗ A. Nagaland

✓ B. Meghalaya

✗ C. Tripura

✗ D. Manipur

Q.98 **How did the drain of wealth theory, as proposed by Dadabhai Naoroji, explain India's poverty under British rule?**

Ans

✗ A. Decline of traditional industries

✗ B. Lack of agricultural development

✓ C. Export of Indian resources and wealth to Britain without fair compensation

✗ D. Excessive population growth in India

Q.99 **The list of all official languages is given in which Schedule of the Indian Constitution?**

Ans

✗ A. Schedule 10

✓ B. Schedule 8

✗ C. Schedule 9

✗ D. Schedule 7

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Q.100 **In November 2024, the first Asian Summit of which of the following religions was held in New Delhi?**

Ans

✗ A. Hinduism

✗ B. Islam

✗ C. Jainism

✓ D. Buddhism

Q.101 **In October 2024, India signed a major currency swap agreement with the Maldives for how many millions to help it tide over its current foreign currency crunch?**

Ans

✗ A. $250

✓ B. $750

✗ C. $500

✗ D. $950

Q.102 **Which of the following archaeologists started excavations in the Harappa site of the Indus Valley civilisation in 1920-21?**

Ans

✗ A. Sir John Hubert Marshall

✗ B. Rakhal Das Banerjee

✗ C. Ernest Mackay

✓ D. Daya Ram Sahni

Q.103 **Which of the following physiographic divisions of India is considered as 'Tableland'?**

Ans

✗ A. The Coastal Plains

✓ B. The Peninsular Plateau

✗ C. The Himalayan Mountains

✗ D. The Great Indian Desert

Q.104 **Which of the following is an example of social infrastructure?**

Ans

✗ A. Roads

✗ B. Airports

✗ C. Railways

✓ D. Hospitals

Q.105 **Which of the following is NOT one of the left-bank tributaries of Ganga river?**

Ans

✓ A. Son river

✗ B. Ghaghara river

✗ C. Gomati river

✗ D. Gandak river

Q.106 **With respect to the Indian Constitution, the Fundamental Rights are:**

Ans

✗ A. not written in the Schedules nor outside the Schedules of the Constitution

✓ B. written in the Constitution

✗ C. not written in the Constitution

✗ D. written in the Schedules of the Constitution

Q.107 **Under which government initiatives are Indian athletes provided financial assistance, training support, and international exposure to prepare for the Olympics?**

Ans

✓ A. Target Olympic Podium Scheme (TOPS)

✗ B. Fit India Movement

✗ C. Khelo India Youth Games

✗ D. Sports Authority of India (SAI)

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Q.108 **Which of the following countries collaborated with India in September 2024 to enhance food safety, aligning regulatory frameworks, simplifying the Food Import Procedure and fostering technical collaboration?**

Ans

✗ A. Bangladesh

✗ B. Pakistan

✓ C. Bhutan

✗ D. Afghanistan

Q.109 **Who among the following led the British forces to suppress the rebel movements in Lucknow in the winter of 1857?**

Ans

✗ A. General Roberts

✗ B. Sir Eyre Coote

✓ C. Sir Colin Campbell

✗ D. Sir Claude Auchinleck

Q.110 **Who was responsible to look after forts and also known as Head of Royal Fort in the Maurya empire?**

Ans

✗ A. Annapala

✗ B. Rajjukas

✗ C. Samsthadhyaksha

✓ D. Durgapala

Q.111 **Which fiscal condition related to India's trade balance did the Economic Survey 2024 report for FY24?**

Ans

✗ A. Increased trade deficit compared to FY23

✗ B. Decline in foreign reserves

✓ C. Narrowed trade deficit

✗ D. Large trade surplus

Q.112 **Which of the following Articles allows the State to make special provisions for socially and educationally backward classes?**

Ans

✗ A. Article 16 (5)

✓ B. Article 15 (5)

✗ C. Article 14 (5)

✗ D. Article 17

Q.113 **Which of the following is NOT a tributary of the river Indus?**

Ans

✓ A. Mahananda

✗ B. Jhelum

✗ C. Chenab

✗ D. Beas

Q.114 **As of 6 September 2024, India’s foreign exchange reserves reached a new all-time high of USD 689.235 billion. Which institution is responsible for managing India’s foreign exchange reserves?**

Ans

✓ A. Reserve Bank of India (RBI)

✗ B. Securities and Exchange Board of India (SEBI)

✗ C. India International Bank

✗ D. Ministry of Finance

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Q.115 Which of the following statements is INCORRECT regarding the function of root caps?

Ans

✗ A. A root cap protects the tender part of the root.

✗ B. A root cap helps in the easy movement of the root through soil.

✓ C. A root cap participates in the process of transpiration.

✗ D. A root cap helps in the perception of gravity.

Q.116 TCS has proposed several research initiatives in collaboration with Brazil's Insper Institution. Which of the following is part of these initiatives?

Ans

✗ A. Space exploration technologies

✗ B. Renewable energy research

✗ C. AI for cybersecurity

✓ D. Satellite geo-sensing for agriculture and oil rigs

Q.117 During cooking, if water and mustard oil are mixed, oil floats on the top of water because:

Ans

✗ A. the density of mustard oil is more than water

✗ B. the quantity of mustard oil used is less

✓ C. the density of mustard oil is lesser than water

✗ D. mustard oil is immiscible in water

Q.118 The Fifth Schedule of the Indian Constitution deals with _____.

Ans

✗ A. disqualification on ground of defection

✗ B. provisions regarding languages

✓ C. administration and control of scheduled areas and scheduled tribes

✗ D. powers of panchayats

Q.119 The Government of India had launched Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in the year ____ for the rural areas with the objectives of electrification of all un-electrified villages, as per Census 2011.

Ans

✗ A. 2011

✗ B. 2018

✓ C. 2014

✗ D. 2017

Q.120 The government has extended the tenure of M Rajeshwar Rao as Deputy Governor of the Reserve Bank of India for how long from 9 October 2024?

Ans

✓ A. 1 year

✗ B. 5 years

✗ C. 2 years

✗ D. 3 years

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	07/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **If the length of cuboid is 8 cm, breadth is 3 cm and the volume of cuboid is 3384 cm^3, then find the height of cuboid (in cm).**

Ans
- ✗ A. 148
- ✓ B. 141
- ✗ C. 151
- ✗ D. 145

Q.2 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 118. Find the average of the remaining two numbers?**

Ans
- ✗ A. 194.5
- ✗ B. 194
- ✗ C. 193
- ✓ D. 193.5

Q.3 **Calculate the area of the isosceles triangle with length of equal sides 5 cm and the third side 8 cm.**

Ans
- ✓ A. 1. 12 cm^2
- ✗ B. 2. 6 cm^2
- ✗ C. 3. 24 cm^2
- ✗ D. 4. 10 cm^2

Q.4 **Aryan has to reach Ahmedabad which is 889 km away in 17 hours. His starting speed for 5 hours was 29 km/hr. For the next 96 km his speed was 24km/hr. By what speed he must travel now so as to reach Ahmedabad in decided time of 17hours?**

Ans
- ✓ A. 81 km/hr
- ✗ B. 87 km/hr
- ✗ C. 86 km/hr
- ✗ D. 85 km/hr

Q.5 **A bus travelling at 87 km/h completes a journey in 15 hours. At what speed will it have to cover the same distance in 9 hours?**

Ans
- ✗ A. 147 km/h
- ✓ B. 145 km/h
- ✗ C. 143 km/h
- ✗ D. 155 km/h

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Q.6 **Aryan takes 12 hours to mow a large lawn. He and Armaan together can mow it in 7 hours. How long will Armaan take to mow the lawn if he works alone?**

Ans

✔ A. 16 hours 48 minutes

✘ B. 16 hours 40 minutes

✘ C. 16 hours 36 minutes

✘ D. 16 hours 45 minutes

Q.7 $5\frac{3}{7} - x = 3\frac{5}{14}$

Ans

✘ A. $3\frac{2}{14}$

✔ B. $2\frac{1}{14}$

✘ C. $4\frac{1}{7}$

✘ D. $5\frac{3}{7}$

Q.8 **Two years ago, the population of a city was 1,10,000. The population increased by 10% in the first year and decreased by 10% in the second year. Find the present population.**

Ans

✘ A. 1,08,500

✘ B. 1,08,800

✘ C. 1,08,600

✔ D. 1,08,900

Q.9 **Priya can do a certain piece of work in 30 days. Priya and Varsha can together do the same work in 18 days, and Priya, Varsha and Nisha can do the same work together in 9 days. In how many days can Priya and Nisha do the same work?**

Ans

✘ A. $\frac{40}{6}$

✘ B. $\frac{52}{4}$

✔ C. $\frac{45}{4}$

✘ D. $\frac{51}{5}$

Q.10 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 108. Find the average of the remaining two numbers?**

Ans

✘ A. 199.5

✘ B. 184

✘ C. 183

✔ D. 198.5

Q.11 **Evaluate: 41 - [21 - {11 - (16 - 4 ÷ 2 × 3)}]**

Ans

✘ A. 18

✘ B. 23

✔ C. 21

✘ D. 16

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Q.12 The LCM of two numbers is 315. If the numbers are in the ratio 7 : 9, then the sum of the numbers is ____.

Ans

✗ A. 100

✗ B. 90

✗ C. 70

✓ D. 80

Q.13 Find the value of p so that the expression $(15.97)^3 + 1.4373 \times p + (0.03)^3$ is a perfect cube.

Ans

✗ A. 0.000027

✗ B. 47.91

✓ C. 16

✗ D. 4096

Q.14 How many pairs of positive integers p, q exist such that the HCF of p, q is 37 and the sum of p and q is 1961?

Ans

✗ A. 54

✓ B. 26

✗ C. 28

✗ D. 53

Q.15 The marked price of a water cooler is ₹5,420. The shopkeeper offers an off season discount of 15% on it and an additional discount of 5% for cash payment customer. Find the cost price for a customer who pays cash payment.

Ans

✗ A. ₹4,390

✗ B. ₹4,354.50

✗ C. ₹4,325.38

✓ D. ₹4,336

Q.16 If 35% of k is 20 less than 3000% of 10, then k is:

Ans

✗ A. 760

✗ B. 840

✓ C. 800

✗ D. 780

Q.17 Amit bought 50 pencils from a shopkeeper at a price of ₹3 per pencil, and then sold 15 pencils for ₹3.5 per pencil and the remaining at ₹2.5 per pencil. Calculate the percentage loss/profit that Amit had (rounded off to two decimal places).

Ans

✓ A. Loss 6.67%

✗ B. Profit 3.27%

✗ C. Profit 6.67%

✗ D. Loss 3.27%

Q.18 In an election between two candidates 90 % of the registered voters cast their vote and 15 % of the votes polled were found invalid. Winning candidate got 51% of the valid votes and won the election by a margin of 2142 votes. How many voters were registered?

Ans

✓ A. 140000

✗ B. 140001

✗ C. 139999

✗ D. 140002

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Q.19 A shopkeeper buys a laptop for ₹30,000 and sells it for ₹35,000. Calculate the profit percentage (rounded off to 2 decimal places).

Ans
- ✔ A. 16.67%
- ✘ B. 15.67%
- ✘ C. 14.67%
- ✘ D. 17.67%

Q.20 The difference between compound interest, compounded annually, and simple interest on a certain sum at 10% per annum for 2 years is ₹1,060. Find the sum (in ₹).

Ans
- ✔ A. 1,06,000
- ✘ B. 1,06,600
- ✘ C. 1,06,060
- ✘ D. 1,60,000

Q.21 A sum, when invested at 10% simple interest per annum, amounts to ₹3600 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?

Ans
- ✘ A. 1200
- ✔ B. 600
- ✘ C. 2400
- ✘ D. 300

Q.22 A cylindrical rod has an outer curved surface area of 5600 cm^2. If the length of the rod is 92 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$Take\ \pi = \frac{22}{7}$

Ans
- ✔ A. 9.68
- ✘ B. 10.99
- ✘ C. 12.28
- ✘ D. 8.38

Q.23 A girl goes to school at a speed of 28 km/hr. She comes back with a speed of 21 km/hr. Find her average speed for the whole journey.

Ans
- ✘ A. 17 km/h
- ✔ B. 24 km/h
- ✘ C. 21 km/h
- ✘ D. 16 km/h

Q.24 If 36 : y :: y : 9, find the positive value of y.

Ans
- ✘ A. 13
- ✔ B. 18
- ✘ C. 24
- ✘ D. 22

Q.25 The sum of 8 numbers is 756. Find their average.

Ans
- ✔ A. 94.5
- ✘ B. 92.5
- ✘ C. 93.5
- ✘ D. 95.5

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Q.26 **Pipes A and B can fill an empty cistern in 78 minutes and 39 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 25 minutes?**

Ans

✗ A. 38 min

✓ B. 28 min

✗ C. 45 min

✗ D. 35 min

Q.27 **If the side length of a square decreases from 7 cm to 5 cm, find the percentage decrease in its area. (Rounded off to 2 decimal places.)**

Ans

✗ A. 48.99%

✗ B. 49.98%

✓ C. 48.98%

✗ D. 58.98%

Q.28 **Out of the total profit of ₹15,500 in a business of A and B, A gets ₹5,500 as profit. If the investment of A is ₹67,500 less than the investment of B, then the investment of B (in ₹) is:**

Ans

✗ A. 1,25,000

✓ B. 1,50,000

✗ C. 1,60,000

✗ D. 1,55,000

Q.29 **A 145 m long train crosses a man walking at a speed of 9.5 km/h in the opposite direction in 30 seconds. What is the speed (in km/h) of the train ?**

Ans

✗ A. 7.5

✓ B. 7.9

✗ C. 4.4

✗ D. 6.1

Q.30 **The value of**

$$\sqrt{144} + \sqrt{0.0225} - \sqrt{9} =$$

Ans

✗ A. 3.88

✗ B. 13.97

✓ C. 9.15

✗ D. 3.44

Q.31 **Find the value of** $\left(\frac{1}{4}\right)^{-2} + \left(\frac{1}{9}\right)^{-2} + \left(\frac{1}{7}\right)^{-2}$.

Ans

✓ A. 146

✗ B. 141

✗ C. 142

✗ D. 147

Q.32 **The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 115. Find the average of the remaining two numbers?**

Ans

✗ A. 193

✗ B. 197

✗ C. 194

✓ D. 192

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Q.33 What will be the smallest value of m such that the five-digit number 1m813 is divisible by 11?

Ans
- ✗ A. 2
- ✗ B. 1
- ✓ C. 0
- ✗ D. 3

Q.34 A shopkeeper purchases a wrist watch for ₹3,800 and fixes its marked price in such a way that after allowing a discount of 24%, he earns a profit of 30%. Find the marked price of the wrist watch.

Ans
- ✓ A. ₹6,500
- ✗ B. ₹6,450
- ✗ C. ₹6,400
- ✗ D. ₹6,550

Q.35 The average of first 133 even numbers is

Ans
- ✗ A. 135
- ✓ B. 134
- ✗ C. 134.5
- ✗ D. 133.5

Section : **General Intelligence and Reasoning**

Q.36 What should come in place of the question mark (?) in the given series?

395 366 337 308 279 ?

Ans
- ✗ A. 266
- ✓ B. 250
- ✗ C. 237
- ✗ D. 229

Q.37 Seven people, P, Q. R, S, T, U and V, are sitting in a straight line facing north. Only two people are sitting to the right of S. P is sitting to the immediate left of S. V is sitting to the immediate left of Q and immediate right of U. Q is sitting to the immediate left of P. T is not the immediate neighbour of S. Who is sitting to the immediate right of S?

Ans
- ✗ A. U
- ✗ B. Q
- ✓ C. R
- ✗ D. P

Q.38 In a certain code language, 'WORK' is coded as '1673' and 'FROW' is coded as '7326'. What is the code for 'F' in the given code language?

Ans
- ✗ A. 6
- ✗ B. 3
- ✓ C. 2
- ✗ D. 7

Q.39 A, B, C, D, E, and F are sitting around a circular table facing the centre. D sits third to the left of E. C sits to the immediate right of E. Only B sits between A and E. How many people sit between E and F, when counted from the right of E?

Ans
- ✓ A. One
- ✗ B. None
- ✗ C. Two
- ✗ D. Three

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Q.40 **What should come in place of the question mark (?) in the given series?**

780 770 772 766 762 ?

Ans

✗ A. 766

✗ B. 762

✗ C. 764

✓ D. 760

Q.41 **Seven boxes E, F, G, H, K, L and M are kept one over the other but not necessarily in the same order. Only two boxes are kept below E. Only one box is kept above H. Only one box is kept between H and G. L is kept immediately above M. K is kept at some place below F. How many boxes are kept between F and L?**

Ans

✗ A. One

✗ B. Two

✓ C. Four

✗ D. Three

Q.42 **Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.**

DK-GN-JM
FM-IP-LO

Ans

✗ A. GO-KR-NP

✗ B. GO-KS-NP

✓ C. HO-KR-NQ

✗ D. HO-KR-NP

Q.43 **Select the term from among the given options that can replace the question mark (?) in the following series.**
ECQ-11, HGO-2, KKM-15, NOK-28, ?

Ans

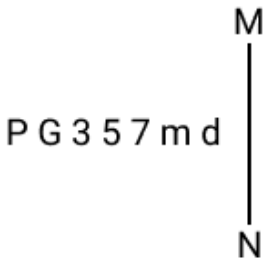
✓ A. QSI-41

✗ B. RSI-39

✗ C. RTI-39

✗ D. QTI-41

Q.44



Ans

✗ A. b m ∠ 5 Ɛ Ɔ ٩

✗ B. d m ↾ ƨ Ɛ G ٩

✓ C. b m ↾ ƨ Ɛ Ɔ ٩

✗ D. b m ↾ 5 Ɛ Ɔ ٩

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Q.45 Seven friends, Q, R, S, T, W, X and Y, are sitting around a circular table facing the centre of the table. T sits to the immediate right of X. T sits second to the left of S. Only two people sit between S and Y when counted from the left of Y. Q sits third to the left of X. W is not an immediate neighbour of Q. How many people sit between R and T when counted from the right of R?

Ans

✗ A. Four

✗ B. One

✗ C. Three

✓ D. Two

Q.46 Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the same order. J is kept second from the bottom. Only three boxes are kept between J and E. K is kept at one of the positions below J. Only F is kept between E and H. D is kept at one of the positions above E. How many boxes are kept between I and K?

Ans

✗ A. Three

✓ B. One

✗ C. Four

✗ D. Two

Q.47 What should come in place of the question mark (?) in the given series?

31 32 41 66 115 ?

Ans

✗ A. 167

✗ B. 169

✓ C. 196

✗ D. 195

Q.48 'STEP' is related to 'WXIT' in a certain way based on the English alphabetical order. In the same way, 'FILL' is related to 'JMPP'. To which of the following is 'THAT' related, following the same logic?

Ans

✗ A. WLFW

✓ B. XLEX

✗ C. XLFX

✗ D. WLEW

Q.49 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:
Some goats are hens.
All hens are cows.
All cows are tigers.

Conclusions:
(I) All cows are goats.
(II) Some tigers are hens.

Ans

✗ A. Neither conclusion (I) nor (II) follows.

✓ B. Only conclusion (II) follows.

✗ C. Both conclusions (I) and (II) follow.

✗ D. Only conclusion (I) follows.

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Q.50 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. DR – BU
- ✓ B. WK – SG
- ✗ C. VD – TG
- ✗ D. ZX – XA

Q.51 **Pritam starts from Point A and drives 14 km towards South. He then takes a right turn, drives 12 km, turns right and drives 6 km. He then takes a right turn and drives 6 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)**

Ans
- ✗ A. 6 km towards South
- ✗ B. 8 km towards West
- ✓ C. 6 km towards East
- ✗ D. 8 km towards North

Q.52 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4173685, which of the following digits will be second from the right?**

Ans
- ✗ A. 2
- ✗ B. 4
- ✗ C. 7
- ✓ D. 6

Q.53 **In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

10 - 15
19 - 24

Ans
- ✓ A. 63 - 68
- ✗ B. 1 - 7
- ✗ C. 51 - 57
- ✗ D. 42 - 48

Q.54 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some sheep are crows.
All crows are frogs.
Some crows are bats.
Conclusions:
I. Some sheep may or may not be bats.
II. At least some blankets are frogs.

Ans
- ✗ A. Only conclusion I follows
- ✓ B. Both conclusions I and II follow
- ✗ C. Neither conclusion I nor II follows
- ✗ D. Only conclusion II follows

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Q.55 If '+' means '–', '–' means '×', '×' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?
30 – 2 ÷ 6 + 18 × 6 = ?

Ans
- ✔ A. 63
- ✘ B. 57
- ✘ C. 34
- ✘ D. 81

Q.56 In a certain code language, 'phone error rate' is coded as 'ku ni pt' and 'pronunciation error rate' is coded as 'pt jk ni'. How is 'pronunciation' coded in the given language?

Ans
- ✘ A. ku
- ✘ B. pt
- ✔ C. jk
- ✘ D. ni

Q.57 In a certain code language,
A # B means 'A is the son of B'
A % B means 'A is the brother of B'
A – B means 'A is the wife of B'
A @ B means 'A is the father of B'

Based on the above, how is C related to K if 'C # O – M % P @ K'?

Ans
- ✘ A. Mother's brother's son
- ✔ B. Father's brother's son
- ✘ C. Father's brother
- ✘ D. Brother's son

Q.58 In a certain code language,
A + B means 'A is the sister of B',
A – B means 'A is the mother of B',
A x B means 'A is the brother of B',
A ÷ B means 'A is the husband of B'.

Based on the above, how is P related to T if 'P x Q ÷ R – S + T'?

Ans
- ✘ A. Mother's father
- ✘ B. Wife's brother
- ✔ C. Father's brother
- ✘ D. Father's father

Q.59 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✔ A. FI - IJ
- ✘ B. QV - SX
- ✘ C. NS - PU
- ✘ D. KP - MR

Q.60 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

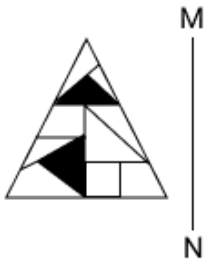
PTV 73 YCE 76 HLN 79 QUW 82 ?

Ans
- ✔ A. ZDF 85
- ✘ B. ZBF 87
- ✘ C. YDE 85
- ✘ D. YBE 87

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Q.61



Ans

✗ A.



✓ B.



✗ C.



✗ D.



Q.62 **Prakhar starts from Point A and drives 9 km towards the east. He then takes a right turn, drives 10 km, turns right and drives 12 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✗ A. 1 km to the north

✓ B. 1 km to the south

✗ C. 2 km to the north

✗ D. 2 km to the south

Q.63 **When the second digit from the left is divided by the second digit from the right in the number 865127, what is the quotient?**

Ans

✗ A. 4

✗ B. 2

✗ C. 1

✓ D. 3

Q.64 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**
INN : JPM
GBG : HDF

Ans

✓ A. NMN : OOM

✗ B. OEY : PGZ

✗ C. TKR : ULS

✗ D. MGS : NIQ

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Q.65 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VNQ SKN PHK MEH ?

Ans

✔ A. JBE

✘ B. JCF

✘ C. JBF

✘ D. JCE

Q.66 In a certain code language, 'BALM' is coded as '7246' and 'LAMP' is coded as '2765'. What is the code for 'P' in the given code language?

Ans

✘ A. 6

✔ B. 5

✘ C. 7

✘ D. 2

Q.67 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 7 $ 4 1 7 1 9 6 2 + 5 = 6 3 % 7 5 # 8 @ 4 5 & 7 8 (Right)

How many such symbols are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

Ans

✘ A. One

✘ B. Four

✘ C. Two

✔ D. Three

Q.68 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).

(Left) 8 8 6 2 8 2 9 9 2 6 2 6 7 8 3 2 8 3 3 2 9 6 6 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

Ans

✔ A. Two

✘ B. None

✘ C. One

✘ D. Three

Q.69 Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 1 2 6 5 6 8 1 5 8 6 9 8 3 3 8 5 8 9 4 7 8 (Right)

How many such even digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

Ans

✘ A. Three

✘ B. One

✘ C. Two

✔ D. Four

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Q.70 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some bulbs are mats.
Some peanuts are mats.

Conclusions:
(I) All bulbs are peanuts.
(II) Some peanuts are bulbs.

Ans
- ✗ A. Only conclusion (I) follows.
- ✗ B. Only conclusion (II) follows.
- ✗ C. Both conclusions (I) and (II) follow.
- ✓ D. Neither conclusion (I) nor (II) follows.

Section : **General Awareness**

Q.71 **Which of the following Acts is also known as the Gagging Act?**

Ans
- ✗ A. Regulating Act of 1773
- ✗ B. Government of India Act of 1858
- ✗ C. Government of India Act of 1919
- ✓ D. Vernacular Press Act of 1878

Q.72 **Prime Minister Indira Gandhi declared emergency on 25 June 1975, which lasted for ____ months.**

Ans
- ✗ A. 15
- ✗ B. 17
- ✓ C. 21
- ✗ D. 26

Q.73 **Which of the following steers the tropical depressions into India especially during the summer season?**

Ans
- ✓ A. Easterly Jet Stream
- ✗ B. Northeast Monsoon
- ✗ C. Westerly Jet Stream
- ✗ D. Western Disturbances

Q.74 **Which of the following was a focus in the Budget 2024 to stimulate growth in the MSME sector?**

Ans
- ✓ A. Loan schemes for small businesses
- ✗ B. Reduction in corporate tax
- ✗ C. New pension schemes
- ✗ D. Reduction in GST rates

Q.75 **Alai Darwaja is a part of which of the following monuments of Mughal architecture?**

Ans
- ✗ A. Red Fort, Agra
- ✓ B. Qutub Minar, Delhi
- ✗ C. Taj Mahal, Agra
- ✗ D. Red Fort, Delhi

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Q.76 **What is the maximum strength of the Legislative Assembly of a State as per Article 170 of the Indian Constitution?**

Ans

✗ A. 200

✓ B. 500

✗ C. 350

✗ D. 250

Q.77 **How many Param Rudra supercomputers worth around ₹130 crore were launched by Prime Minister Narendra Modi on 26 September 2024?**

Ans

✗ A. 2

✗ B. 5

✗ C. 7

✓ D. 3

Q.78 **Which Indian flautist won two Grammys at the Grammy Awards ceremony at Los Angeles In February 2024?**

Ans

✗ A. Ronu Majumdar

✗ B. Rishab Prasanna

✓ C. Rakesh Chaurasia

✗ D. Shashank Subramanyam

Q.79 **Which of the following Acts provided for the establishment of a federal, provincial and joint public service commission, Reserve Bank of India and a federal court?**

Ans

✗ A. Government of India Act, 1909

✓ B. Government of India Act, 1935

✗ C. Government of India Act, 1929

✗ D. Government of India Act, 1919

Q.80 **In July 2024, the Export Credit Guarantee Corporation of India (ECGC) announced the expansion of 90% insurance cover for exporters with a credit limit of ₹_____.**

Ans

✗ A. 20 crore

✗ B. 100 crore

✗ C. 10 crore

✓ D. 50 crore

Q.81 **Which of the following Hydroelectric Power Projects is located on Narmada River?**

Ans

✗ A. Koyna Project

✓ B. Sardar Sarovar Project

✗ C. Ranjit Sagar Project

✗ D. Nagarjuna Sagar Project

Q.82 **The Swaran Singh Committee, which recommended the inclusion of Fundamental Duties, was set up by whom among the following Indian Prime Ministers?**

Ans

✗ A. Rajiv Gandhi

✗ B. Lal Bahadur Shastri

✓ C. Indira Gandhi

✗ D. Morarji Desai

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Q.83 **Which of the following Amendment Acts provided one-third reservation for women in municipalities?**

Ans

✔ A. 1. 74th Amendment Act

✘ B. 2. 106th Amendment Act

✘ C. 3. 103rd Amendment Act

✘ D. 4. 73rd Amendment Act

Q.84 **Which Indian Navy ship visited Port Louis, Mauritius in June 2024, as part of a long-range deployment?**

Ans

✘ A. INS Talwar

✔ B. INS Sunayna

✘ C. INS Vikrant

✘ D. INS Shivalik

Q.85 **The Constitution (Scheduled Castes and Scheduled Tribes) Orders (Amendment) Bill, 2024, was related to which state?**

Ans

✘ A. Tamil Nadu

✘ B. Punjab

✔ C. Odisha

✘ D. Bihar

Q.86 **Which of the following countries signed a historic Memorandum of Understanding (MoU) for civil nuclear cooperation in September 2024?**

Ans

✔ A. India and the United Arab Emirates

✘ B. India and the United States of America

✘ C. Ukraine and United Kingdoms

✘ D. Sri Lanka and Russia

Q.87 **Which day was marked by Mahatma Gandhi as the day of 'humiliation and prayer'?**

Ans

✘ A. 20 October 1919

✘ B. 10 February 1919

✘ C. 23 March 1919

✔ D. 6 April 1919

Q.88 **Scurvy is characterised by swelling and bleeding of gums. Deficiency of which vitamin causes scurvy?**

Ans

✘ A. Vitamin B1

✘ B. Vitamin A

✔ C. Vitamin C

✘ D. Vitamin D

Q.89 **Name the author who wrote the famous book called 'Panchatantra'.**

Ans

✔ A. Vishnu Sharma

✘ B. Śūdraka

✘ C. Daṇḍin

✘ D. Kalhana

Q.90 **What does the term 'liberalisation' refer to in the context of the economy?**

Ans

✘ A. Reducing taxes for all citizens

✔ B. Opening up the economy to foreign trade

✘ C. Nationalising private industries

✘ D. Increasing government regulations

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Q.91 **In February 2025, the Government of India announced that the South Coastal Railway zone is a new railway zone that will be headquartered in _____.**

Ans

✗ A. Tirupathi

✗ B. Vijayawada

✓ C. Visakhapatnam

✗ D. Amaravati

Q.92 **Which of the following statements is correct about the Chairperson of the Monetary Policy committee of India, which was reconstituted by the Government of India in October 2024?**

Ans

✗ A. The Chairperson of the Monetary Policy committee will be elected by directors of all public sector banks of India.

✗ B. The CAG of India is the Chairperson of the Monetary Policy committee.

✓ C. The RBI Governor is the Chairperson (ex officio) of the Monetary Policy committee.

✗ D. The Prime Minister of India will be the de facto Chairperson of the Monetary Policy committee for FY25.

Q.93 **In June 2024, the Supreme Court directed which state to release 137 cusecs of water to Delhi?**

Ans

✗ A. Haryana

✗ B. Punjab

✓ C. Himachal Pradesh

✗ D. Uttar Pradesh

Q.94 **Tat Vadya are also known as _____ instruments.**

Ans

✓ A. stringed

✗ B. wind

✗ C. electronic

✗ D. percussion

Q.95 **Which of the following Gupta rulers defeated Shaka King Rudrasimha III and captured his kingdom?**

Ans

✗ A. Skandagupta

✗ B. Kumaragupta

✓ C. Chandragupta II

✗ D. Chandragupta I

Q.96 **The First Five-Year Plan in India focused primarily on which sector of the economy?**

Ans

✓ A. Agricultural development

✗ B. Service sector expansion

✗ C. Industrialisation

✗ D. Infrastructure development

Q.97 **Using dimensional analysis, determine which of the following pairs of physical quantities have the same dimensions?**

Ans

✗ A. Work and power

✗ B. Force and torque

✓ C. Latent heat and gravitational potential

✗ D. Linear momentum and angular momentum

Q.98 **Which of the following was the smallest administrative unit in the Mauryan Empire?**

Ans

✗ A. Town

✗ B. Province

✗ C. District

✓ D. Village

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Q.99 **Which of the following leaders of the Revolt of 1857 was the adopted son of Bajirao Peshwa II?**

Ans

✔ A. Nana Saheb

✘ B. Raja Pratap Singh

✘ C. Tantiya Tope

✘ D. Kunwar Singh

Q.100 **Which of the following Articles of the Indian Constitution declares that Directive Principles are NOT enforceable by any court?**

Ans

✘ A. Article 51

✘ B. Article 45

✘ C. Article 35

✔ D. Article 37

Q.101 **Where is the Ranganadi Dam situated?**

Ans

✘ A. Sikkim

✘ B. Nagaland

✘ C. Manipur

✔ D. Arunachal Pradesh

Q.102 **Which of the given statements about photosynthesis is/are correct?**
A. Stomata in the leaves absorb sunlight for photosynthesis.
B. Photosynthesis results in the reduction of carbon dioxide to form carbohydrates.

Ans

✘ A. Only A

✘ B. Both A and B

✔ C. Only B

✘ D. Neither A nor B

Q.103 **Which of the following rivers rises in the Satpura ranges?**

Ans

✔ A. Tapi

✘ B. Luni

✘ C. Chambal

✘ D. Damodar

Q.104 **The Satpura Range is a part of the Peninsular Plateau and is located between which two rivers?**

Ans

✘ A. Godavari and Krishna

✘ B. Krishna and Kaveri

✘ C. Narmada and Mahi

✔ D. Narmada and Tapi

Q.105 **The Economic Survey 2024 calls for a 'tripartite compact'. Which of the following is NOT a part of it?**

Ans

✔ A. Foreign investors

✘ B. Private sector

✘ C. Central government

✘ D. State governments

Q.106 **Which significant policy approach was suggested to sustain India's economic recovery in the Economic Survey 2024?**

Ans

✘ A. Reducing exports

✘ B. Increase in foreign aid

✘ C. Increasing trade deficits

✔ D. Heavy domestic efforts and reforms

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Q.107 What was the policy of the 'Doctrine of Lapse' that caused discontent among Indian rulers before the rebellion of 1857?

Ans

✗ A. The British would pay subsidies to Indian rulers.

✗ B. The British government would adopt Indian rulers without heirs.

✗ C. The British would intervene in Indian courts.

✓ D. The British could annex a princely state if the ruler did not have a natural/biological heir.

Q.108 What was the literacy rate in India according to the 2011 Census?

Ans

✗ A. 64.05%

✗ B. 60.05%

✓ C. 74.04%

✗ D. 70.05%

Q.109 Which of the following is an indicator of economic development?

Ans

✗ A. Increasing population

✗ B. Reduction in industrialisation

✓ C. Rising per capita income

✗ D. Decreasing exports

Q.110 What was the primary aim of the Third Five-Year Plan (1961-1966) in India?

Ans

✗ A. To promote small-scale industries

✗ B. To enhance agricultural production

✓ C. To achieve self-sufficiency in food grains

✗ D. To focus on poverty alleviation

Q.111 Which of the following tools did India adopt for economic development after gaining independence?

Ans

✗ A. Decentralised planning

✓ B. Centralised planning

✗ C. Privatisation

✗ D. Liberalisation

Q.112 When an object is placed at the centre of curvature in front of a concave mirror, the characteristics of the image formed are:

Ans

✗ A. at the focus, upright, virtual and diminished

✗ B. between the focus and the mirror, virtual, upright and enlarged

✓ C. at the centre of curvature, real, inverted and of the same size

✗ D. at infinity, real, inverted and highly enlarged

Q.113 In a material, the mass is the _____.

Ans

✗ A. amount of space it occupies

✗ B. amount of water it replaces

✓ C. amount of matter it has

✗ D. gravitational force acting on it

Q.114 Manjira is a solid instrument made of _____.

Ans

✗ A. goatskin

✗ B. cloth

✓ C. metal

✗ D. wood

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Q.115 **What does E3 stand for in the 'BioE3 Policy' unveiled by the Department of Biotechnology in August 2024?**

Ans

✗ A. Econometrics, Ecosystem and Experience

✗ B. Economic surplus, Erosion and Employment gap

✗ C. Equity, Ecological footprint and Ecofeminism

✓ D. Economy, Environment and Employment

Q.116 **The 2024 Copa America championship, which was held in the USA from 20 June to 14 July 2024, is a _____ tournament.**

Ans

✗ A. Hockey

✗ B. Boxing

✓ C. Football

✗ D. Golf

Q.117 **Tropical rainforests are mainly NOT found in which of the following regions?**

Ans

✗ A. Western slope of the Western Ghats

✗ B. The North-Eastern states

✗ C. Andaman and Nicobar Islands

✓ D. Madhya Pradesh, Uttar Pradesh and Bihar

Q.118 **Which of the following Articles was added by the 42nd Amendment Act, 1976?**

Ans

✗ A. Article 101

✓ B. Article 31D

✗ C. Article 31

✗ D. Article 22

Q.119 **Which constitutional body is responsible for recommending principles for the allocation of grants-in-aid to states from the Consolidated Fund of India?**

Ans

✗ A. NITI Aayog

✗ B. National Development Council

✓ C. Finance Commission

✗ D. Planning Commission

Q.120 **The President of the Government of Spain, Pedro Sanchez, paid an official visit to India on which dates in 2024?**

Ans

✓ A. 27 – 29 October 2024

✗ B. 28 – 29 September 2024

✗ C. 04 – 05 October 2024

✗ D. 14 – 15 October 2024

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सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	07/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **The LCM of 148 and 185 is ____.**

Ans
- ✗ A. 37
- ✗ B. 87
- ✗ C. 940
- ✓ D. 740

Q.2 **A can do a piece of work in 12 days. B can do it in 12 days. With the assistance of C, they completed the work in 3 days. C alone can do it in _____days.**

Ans
- ✗ A. 7
- ✓ B. 6
- ✗ C. 5
- ✗ D. 8

Q.3 **On a 10% discount sale, an article costs ₹7,200. What was the original price of the article?**

Ans
- ✗ A. ₹7,800
- ✗ B. ₹7,600
- ✗ C. ₹7,400
- ✓ D. ₹8,000

Q.4 **A merchant offers a discount of 20% on the list price, due to which she makes a loss of 15%. What percentage profit or percentage loss will she make if she sells at a discount of 4% of the list price?**

Ans
- ✗ A. 5%, Loss
- ✗ B. 5%, Profit
- ✗ C. 2%, Loss
- ✓ D. 2%, Profit

Q.5 **The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 134. Find the average of the remaining two numbers?**

Ans
- ✓ A. 182.5
- ✗ B. 183.5
- ✗ C. 213
- ✗ D. 212

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Q.6 **1% of 97% of a number is what percentage of that number?**

Ans

✗ A. 98

✗ B. 0.097

✗ C. 97

✓ D. 0.97

Q.7 **Arjun has to reach Jaipur which is 602 km away in 22 hours. His starting speed for 7 hours was 29 km/hr. For the next 189 km his speed was 21km/hr. By what speed he must travel now so as to reach Jaipur in decided time of 22hours?**

Ans

✗ A. 30 km/hr

✓ B. 35 km/hr

✗ C. 34 km/hr

✗ D. 41 km/hr

Q.8 **Abhay and Bharat can complete a certain piece of work in 11 and 9 days, respectively, They started to work together, and after 2 days, Bharat left. In how many days will Abhay complete the remaining work?**

Ans

✗ A. $\frac{651}{99}$

✗ B. $\frac{646}{101}$

✓ C. $\frac{649}{99}$

✗ D. $\frac{650}{100}$

Q.9 **How many seconds will a boy take to run one complete round around a square field of side 78 metres, if he runs at a speed of 8 km/h?**

Ans

✗ A. 135

✗ B. 130

✗ C. 139

✓ D. 140.3

Q.10 **In what ratio should sugar costing ₹72 per kg be mixed with sugar costing ₹12 per kg so that by selling the mixture at ₹43.4 per kg, there is a profit of 40%?**

Ans

✗ A. 21 : 43

✗ B. 17 : 40

✗ C. 20 : 39

✓ D. 19 : 41

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Q.11 $The\ value\ of\ \left(\frac{64}{49}\right)^{-\left(\frac{3}{2}\right)} \times \left(\frac{2}{7}\right)^{3} \div \sqrt[4]{(16)^{-3}}\ \ is:$

Ans

✗ A. $\frac{1}{17}$

✗ B. $\frac{1}{1}$

✓ C. $\frac{1}{8}$

✗ D. $\frac{1}{3}$

Q.12 **Simplify the following.**

$$\frac{(5.6 \times 0.36) + (0.42 \times 3.2)}{0.8 \times 2.1}$$

Ans

✗ A. 20

✗ B. 0.2

✗ C. 3

✓ D. 2

Q.13 **The average of first 128 even numbers is**

Ans

✓ A. 129

✗ B. 130

✗ C. 128.5

✗ D. 129.5

Q.14 **The cost price of 12 tables is equal to the selling price of 15 tables. What is the loss percent?**

Ans

✗ A. 12%

✗ B. 15%

✓ C. 20%

✗ D. 10%

Q.15 **If the distance between A and B is 942 Km. From A, Chaman goes to B with speed 66 km/h and return to A with the speed 49 km/h. Find the average speed of Chaman. (rounded off to two decimal place)**

Ans

✗ A. 47.91 km/h

✗ B. 51.69 km/h

✗ C. 50.69 km/h

✓ D. 56.24 km/h

Q.16

Find the value of $23^{-19} \div 23^{9} \times 23^{-6}$

Ans

✗ A. 1.
23^{-43}

✓ B. 2.
23^{-34}

✗ C. 3.
23^{-33}

✗ D. 4.
23^{-36}

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Q.17 There are two partners in the business, Ritu and Monika. Ritu invests ₹55,000 for 7 months and Monika invests ₹42,000 for 11 months. Out of a profit of ₹41,690, what is the share of Ritu?

Ans

✗ A. ₹18,793
✗ B. ₹17,235
✗ C. ₹17,890
✓ D. ₹18,950

Q.18 The ratio of the volume of two cubes is 27 : 64. What is the ratio of their total surface areas?

Ans

✗ A. 3 : 4
✓ B. 9 : 16
✗ C. 4 : 3
✗ D. 16 : 9

Q.19 **Find the compound interest on ₹19,375 in 1 year at 8% per annum, the interest being compounded half-yearly.**

Ans

✓ A. ₹1,581
✗ B. ₹1,561
✗ C. ₹1,541
✗ D. ₹1,591

Q.20 **Find the value of (9K − 5) for which the number 35K84 is divisible by 11.**

Ans

✗ A. 51
✗ B. 24
✓ C. 49
✗ D. 37

Q.21 **The monthly incomes of two friends Kiran and Mahesh, are in the ratio 5 : 7 respectively and each of them saves ₹75000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Kiran(in ₹).**

Ans

✓ A. 125000
✗ B. 126000
✗ C. 175000
✗ D. 124000

Q.22 **Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Keshav borrowed an amount of ₹380000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Keshav after 4 years.**

Ans

✗ A. 39500
✗ B. 37500
✓ C. 38000
✗ D. 39000

Q.23 **Find the value of** $\left(\frac{1}{2}\right)^{-4} + \left(\frac{1}{4}\right)^{-4} + \left(\frac{1}{7}\right)^{-4}$.

Ans

✗ A. 2683
✓ B. 2673
✗ C. 2678
✗ D. 2670

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Q.24 A bus travelling at 35 km/h completes a journey in 20 hours. At what speed will it have to cover the same distance in 7 hours?

Ans
- ✔ A. 100 km/h
- ✘ B. 92 km/h
- ✘ C. 94 km/h
- ✘ D. 90 km/h

Q.25 The population of a town was 1,20,000 at the end of 2017. It increases at a rate of 7% per annum. What will the population be at the end of 2019?

Ans
- ✘ A. 1,37,570
- ✘ B. 1,37,285
- ✔ C. 1,37,388
- ✘ D. 1,37,680

Q.26 A hollow spherical shell is made of a metal of density 36 g/cm^3. Its internal and external radius are 9 cm and 11 cm, respectively. What is the weight (in kg) of the shell ?

$(take\ \pi = \frac{22}{7})$

Ans
- ✘ A. 87.816
- ✘ B. 92.75
- ✔ C. 90.816
- ✘ D. 92.52

Q.27 $\text{Find the value of } 6435.5 + 7646.4 + \frac{12039}{10}.$

Ans
- ✘ A. 15185.8
- ✘ B. 15285.8
- ✔ C. 15385.8
- ✘ D. 15485.8

Q.28 A tank is filled in 20 hours by two pipes, A and C. Pipe C is thrice as fast as Pipe A. How much time will Pipe A alone take to fill the tank?

Ans
- ✔ A. 80 hours
- ✘ B. 75 hours
- ✘ C. 100 hours
- ✘ D. 84 hours

Q.29 The population of a town is increased from 60,000 to 61,050. How much is the percentage increase?

Ans
- ✔ A. 1.75%
- ✘ B. 1.55%
- ✘ C. 1.65%
- ✘ D. 1.85%

Q.30 The sum of all the three sides of an equilateral triangle is $66\sqrt{3}$ cm. What is the height (in cm) of this triangle?

Ans
- ✔ A. 33
- ✘ B. $\frac{33}{2}$
- ✘ C. 22
- ✘ D. 44

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Q.31 **The sum of 10 numbers is 360. Find their average.**

Ans

✗ A. 35

✗ B. 37

✗ C. 34

✓ D. 36

Q.32 Ramesh purchased an old bike for ₹80,000, spent 14% of this amount on repairs, and had to later sell it at an overall loss of 10%. What was the price at which Ramesh sold the bike?

Ans

✗ A. ₹72,080

✗ B. ₹92,080

✓ C. ₹82,080

✗ D. ₹90,080

Q.33 **The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 109. Find the average of the remaining two numbers?**

Ans

✗ A. 186

✗ B. 198

✗ C. 185

✓ D. 197

Q.34 The LCM of $2^3 \times 3^2 \times 5 \times 11$, $2^4 \times 3^4 \times 5^2 \times 7$ and $2^5 \times 3^3 \times 5^3 \times 7^2 \times 11$ is _____.

Ans

✗ A. $2^5 \times 3^3 \times 5^3 \times 7 \times 11$

✗ B. $2^4 \times 3^3 \times 5^3 \times 7^2 \times 11$

✓ C. $2^5 \times 3^4 \times 5^3 \times 7^2 \times 11$

✗ D. $2^5 \times 3^3 \times 5^3 \times 7^2 \times 11$

Q.35 **If 72 : y :: y : 50, find the positive value of y.**

Ans

✗ A. 68

✓ B. 60

✗ C. 70

✗ D. 65

Section : **General Intelligence and Reasoning**

Q.36 **Seven persons X, Y, Z, K, B, R, and D are sitting around a circular table facing inside the centre. X is the only person sitting between D and Y when counted from the left of Y. there are exactly two persons sitting between K and D when counted from right of K. B is sitting to the immediate right of K, R is sitting to the immediate left of D. Who is the only person between Z and B, when counted from the right of Z?**

Ans

✓ A. K

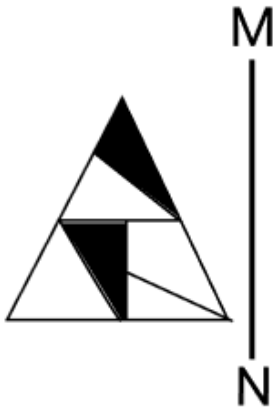
✗ B. X

✗ C. Y

✗ D. D

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Q.37



Ans

✗ A.



✓ B.



✗ C.



✗ D.



Q.38 **In a row of people all facing North, Yash is 5th from the right end. Mahesh is 6th from the right end. Mahesh is exactly between Yash and Kushal. If Kushal is 9th from the left end of the line, how many people are there in the row?**

Ans

✓ A. 15

✗ B. 14

✗ C. 13

✗ D. 12

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Q.39 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All drums are balloons.
No rings are balloons.
All rings are keys.

Conclusions:
(I) No drums are rings.
(II) Some keys are not drums.

Ans
- ✗ A. Only conclusion (II) follows.
- ✗ B. Only conclusion (I) follows.
- ✓ C. Both conclusions (I) and (II) follow.
- ✗ D. Neither conclusion (I) nor (II) follows.

Q.40 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 8, 26)
(10, 12, 44)

Ans
- ✗ A. (11, 5, 30)
- ✓ B. (5, 10, 30)
- ✗ C. (8, 2, 30)
- ✗ D. (7, 6, 38)

Q.41 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) \ ? $ / 3 * 1 ^ # 4 2 6 @ 6 8 $ / ? \ \ * (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?

Ans
- ✗ A. Three
- ✗ B. Four
- ✗ C. One
- ✓ D. Two

Q.42 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 32167854, how many digits will appear twice in the new number thus formed?**

Ans
- ✓ A. Three
- ✗ B. One
- ✗ C. Two
- ✗ D. None

Q.43 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans
- ✗ A. PKHC
- ✗ B. VQNI
- ✓ C. EZVR
- ✗ D. MHEZ

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Q.44 **Seven people F, I, E, L, D, A, and S are sitting around a circular table facing the centre. E sits second to the left of D and D sits second to the left of I. Only one person sits between I and L. S sits to the immediate right of E and A sits to the immediate left of I. Who sits to the immediate right of I?**

Ans

✔ A. F

✘ B. D

✘ C. L

✘ D. E

Q.45 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✘ A. TY:AF

✔ B. KP:RV

✘ C. AF:HM

✘ D. PU:WB

Q.46 **In a certain code language,**
A # B means 'A is the son of B'
A % B means 'A is the brother of B'
A − B means 'A is the wife of B'
A @ B means 'A is the father of B'

Based on the above, how is C related to K if 'C # O @ M − P % K'?

Ans

✘ A. Wife's father

✘ B. Wife's brother

✘ C. Brother's wife's father

✔ D. Brother's wife's brother

Q.47 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All bottles are mangoes.
All bottles are foams.
Conclusions:
(I): Some mangoes are foams.
(II): All foams are bottles.

Ans

✔ A. Only conclusion (I) follows.

✘ B. Only conclusion (II) follows.

✘ C. Both conclusions (I) and (II) follow.

✘ D. Neither conclusion (I) nor (II) follows.

Q.48 **What should come in place of the question mark (?) in the given series?**

78 83.4 90.8 ? 111.6 125

Ans

✔ A. 100.2

✘ B. 104.8

✘ C. 98

✘ D. 109.2

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Q.49 **Devendra starts from Point Y and drives 21 km towards south. He then takes a left turn, drives 18 km, turns right and drives 61 km. He then takes a left turn and drives 33 km. He takes a left turn, drives 43 km. He then turns right, drives 25 km, turns left and drives 39 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)**

Ans

✗ A. 87 km towards east

✓ B. 76 km towards west

✗ C. 71 km towards south

✗ D. 68 km towards east

Q.50 **N, E, A, T, L and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. L lives immediately above Y. Exactly two people live between Y and E, where E lives on an odd number floor below Y. A lives immediately below N. How many people live between T and N?**

Ans

✗ A. Four

✗ B. One

✗ C. Three

✓ D. Two

Q.51 **This question is based on the five, three-digit numbers given below.**
(Left) 546 588 931 173 541 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.
What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

Ans

✗ A. 14

✗ B. 16

✗ C. 12

✓ D. 4

Q.52 **In a certain code language, 'TALE' is coded as '4286' and 'ARCS' is coded as '3879'. What is the code for 'A' in the given code language?**

Ans

✓ A. 8

✗ B. 3

✗ C. 6

✗ D. 7

Q.53 **What should come in place of the question mark (?) in the given series?**

6 21 37 54 72 ?

Ans

✗ A. 90

✗ B. 89

✓ C. 91

✗ D. 88

Q.54 **Select the term from among the given options that can replace the question mark (?) in the following series.**
NPN23, KQP21, HRR19, ?, BTV15

Ans

✗ A. EST19

✗ B. FTS17

✓ C. EST17

✗ D. FTS19

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Q.55 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

OU25, PV34, QW43, RX52, ?

Ans

✗ A. SZ61

✗ B. SY62

✗ C. SZ62

✓ D. SY61

Q.56 **IH 15 is related to KE -3 in a certain way. In the same way, CI 11 is related to EF -7. To which of the given options is FU 3 related, following the same logic?**

Ans

✓ A. HR -15

✗ B. HS -13

✗ C. GR -17

✗ D. GS -13

Q.57 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

JNX MPV PRT STR ?

Ans

✓ A. VVP

✗ B. WWP

✗ C. VWQ

✗ D. VVQ

Q.58 **In a certain code language, '7235' is coded as 'LKSD' and '2315' is coded as 'SOKL'. What is the code for '1' in the given code language?**

Ans

✗ A. S

✓ B. O

✗ C. L

✗ D. K

Q.59 **If + means −, − means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?**
1000 × 500 + 10 ÷ 50 – 5 = ?

Ans

✗ A. 224

✗ B. 234

✓ C. 242

✗ D. 243

Q.60 **What should come in place of the question mark (?) in the given series?**

124 135 113 146 102 ?

Ans

✓ A. 157

✗ B. 168

✗ C. 160

✗ D. 170

Q.61 **If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '–', what will come in place of the question mark (?) in the following equation?**
23 B 4 C 2 D 16 A 4 = ?

Ans

✗ A. 80

✗ B. 120

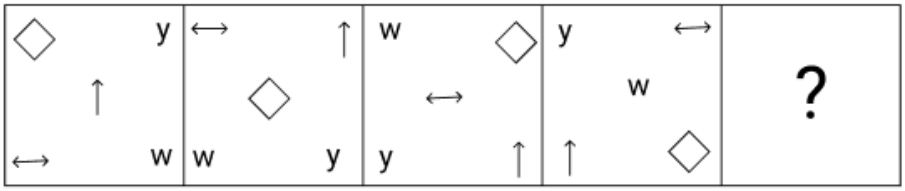
✗ C. 70

✓ D. 90

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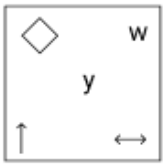
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Q.62

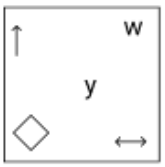


Ans

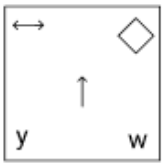
✗ A.



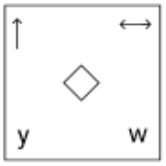
✓ B.



✗ C.



✗ D.



Q.63 **RPNK is related to LJHE in a certain way based on the English alphabetical order. In the same way, XVTQ is related to RPNK. To which of the given options is JHFC related, following the same logic?**

Ans

✗ A. DCYB

✓ B. DBZW

✗ C. DAYW

✗ D. DBYW

Q.64 **Mr. S starts from Point A and drives 1 km towards the east. He then takes a left turn, drives 2 km, turns right and drives 9 km. He then takes a right turn and drives 3 km, turns right drives 11 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✗ A. 3 km towards the west

✗ B. 2 km towards the north

✗ C. 3 km towards the south

✓ D. 1 km towards the east

Q.65 **In a certain code language,**
A - B means 'A is the sister of B'
A * B means 'A is the wife of B'
A > B means 'A is the brother of B'
A ; B means 'A is the father of B'

Based on the above, how is F related to S if 'F ; L > A - G * S'?

Ans

✗ A. Wife's son

✓ B. Wife's father

✗ C. Wife's mother

✗ D. Wife's sister

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Q.66 **Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).**

(Left) 4 5 7 1 4 7 2 4 7 9 7 2 5 4 1 7 5 7 7 9 5 2 7 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

Ans
- ✔ A. One
- ✘ B. Two
- ✘ C. None
- ✘ D. Three

Q.67 **In a certain code language, 'DINE' is coded as '5279' and 'NODE' is coded as '9753'. What is the code for 'O' in the given code language?**

Ans
- ✘ A. 9
- ✔ B. 3
- ✘ C. 5
- ✘ D. 7

Q.68 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All margins are borders.
All margins are rims.
All fringes are rims.
Conclusions:
(I): All fringes are borders.
(II): Some rims are borders.

Ans
- ✔ A. Only conclusion (II) follows.
- ✘ B. Only conclusion (I) follows.
- ✘ C. Both conclusions (I) and (II) follow.
- ✘ D. Neither conclusion (I) nor (II) follows.

Q.69 **TORM is related to MORT in a certain way based on the English alphabetical order. In the same way, PLOT is related to LOPT. To which of the following is LAST related, following the same logic?**

Ans
- ✘ A. ASLT
- ✔ B. ALST
- ✘ C. ASTL
- ✘ D. ATSL

Q.70 **Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only three people sit between C and F. A sits to the immediate left of F. No one sits to the right of E. Only two people sit between E and A. B sits to the immediate right of G. How many people sit between F and G?**

Ans
- ✘ A. 3
- ✘ B. 4
- ✘ C. 1
- ✔ D. 2

Section : **General Awareness**

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Q.71 **Which of the following Constitutional Amendment Acts has NOT inserted any Directive Principles of State Policy?**

Ans

- ✔ A. 1. 73rd Constitutional Amendment Act
- ✘ B. 2. 86th Constitutional Amendment Act
- ✘ C. 3. 42nd Constitutional Amendment Act
- ✘ D. 4. 44th Constitutional Amendment Act

Q.72 **The transport of water and minerals primarily occurs through which part of a plant?**

Ans

- ✘ A. Petals
- ✘ B. Stomata
- ✔ C. Xylem
- ✘ D. Phloem

Q.73 **Who appoints the Chairman of National Green Tribunal?**

Ans

- ✔ A. He/She is appointed by the State Government.
- ✘ B. He/She is appointed by the Chief Justice of India.
- ✘ C. He/She is appointed by the Central Government.
- ✘ D. He/She is appointed by the Home Minister.

Q.74 **Who among the following was the leader of the 1857 Revolt from Kullu?**

Ans

- ✘ A. Ujjwal Shahi
- ✘ B. Maulvi Liaqat Ali
- ✘ C. Abdul Ali Khan
- ✔ D. Raja Pratap Singh

Q.75 **What is the primary function of the Cabinet in the Indian government?**

Ans

- ✘ A. To oversee international relations
- ✘ B. To manage only local government affairs
- ✘ C. To conduct elections
- ✔ D. To act as the highest decision-making body in the formal sense

Q.76 **The Preamble of the Indian Constitution was amended in 1976 to include which of the following words?**

Ans

- ✘ A. Democratic and Republic
- ✘ B. Federal and Parliamentary
- ✔ C. Socialist and Secular
- ✘ D. Unity and Integrity

Q.77 **Which of the following territories was annexed by the British Governor General Lord Dalhousie before the 1857 revolt that fueled the First War of Independence?**

Ans

- ✘ A. Gwalior
- ✘ B. Assam
- ✘ C. Punjab
- ✔ D. Awadh

Q.78 **During the winter season, surface winds blow from the high-pressure centre over _____, reaching India as a dry continental air mass.**

Ans

- ✘ A. Aravalli Range
- ✘ B. Western Ghats
- ✔ C. central Asia
- ✘ D. peninsular India

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Q.79 **The UEFA Champions League 2024 final took place on 1 June 2024 at Wembley Stadium located in _____.**

Ans
- ✗ A. New York
- ✗ B. California
- ✓ C. London
- ✗ D. Tokiyo

Q.80 **Which of the following tribes is mainly found in the state of Arunachal Pradesh?**

Ans
- ✗ A. Bhils
- ✗ B. Birhor
- ✓ C. Galos
- ✗ D. Asur

Q.81 **Which of the following books was authored by Vishakhadatta?**

Ans
- ✓ A. Mudrarakshasa
- ✗ B. Kundalakesi
- ✗ C. Yavanajataka
- ✗ D. Silappatikaram

Q.82 **How much were ICICI Bank's provisions, excluding tax provisions, in Q3 2024?**

Ans
- ✗ A. ₹2,257 crore
- ✗ B. ₹1,250 crore
- ✓ C. ₹1,050 crore
- ✗ D. ₹1,500 crore

Q.83 **Which of the following Five-Year Plans was interrupted due to the economic crisis and political instability in India and eventually shifted towards a focus on poverty alleviation programmes?**

Ans
- ✗ A. Sixth Five-Year Plan (1980-85)
- ✓ B. Fifth Five-Year Plan (1974-78)
- ✗ C. Third Five-Year Plan (1961-66)
- ✗ D. Fourth Five-Year Plan (1969-74)

Q.84 **Which of the following organisations aims to promote sustainable and equitable agriculture and rural development?**

Ans
- ✓ A. NABARD
- ✗ B. SBI
- ✗ C. Rural Bank of India
- ✗ D. RBI

Q.85 **The Deccan Plateau is largely made up of which type of rock formation?**

Ans
- ✗ A. Metamorphic rocks
- ✗ B. Fossilised rocks
- ✓ C. Igneous rocks
- ✗ D. Sedimentary rocks

Q.86 **What do we call a specific sequence of notes that is peculiar to each Raga of Indian classical music and by which a listener can instantly recognise the Raga?**

Ans
- ✗ A. Avaroha
- ✗ B. Aroha
- ✗ C. Thata
- ✓ D. Pakad

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Q.87 **As of October 2024, which transgenic crop is being commercially cultivated in India?**

Ans
- ✗ A. Potato
- ✓ B. Cotton
- ✗ C. Tomato
- ✗ D. Brinjal

Q.88 **Which of the following was a key element of India's Second Five-Year Plan (1956-1961)?**

Ans
- ✓ A. Heavy industrialisation
- ✗ B. Expansion of the service sector
- ✗ C. Focus on poverty alleviation
- ✗ D. Promoting private sector growth

Q.89 **In which year was the Second Five-Year Plan launched, emphasising industrialisation?**

Ans
- ✗ A. 1966
- ✗ B. 1971
- ✓ C. 1956
- ✗ D. 1961

Q.90 **What was the role of the 'Rajanya' in society during the Vedic period?**

Ans
- ✓ A. Kings and warriors
- ✗ B. Farmers and labourers
- ✗ C. Priests and scholars
- ✗ D. Merchants and traders

Q.91 **The phenomenon of bending light when it passes through one transparent medium to another is due to _____.**

Ans
- ✗ A. diffraction
- ✗ B. scattering
- ✓ C. refraction
- ✗ D. reflection

Q.92 **'Bhabar' and 'Khadar' belts are part of which physiographic division of India?**

Ans
- ✗ A. The Peninsular Plateau
- ✗ B. The Himalayan Mountains
- ✗ C. The Coastal Plains
- ✓ D. The Northern Plains

Q.93 **The Thar Desert experiences a significant temperature variation due to:**

Ans
- ✗ A. frequent rainfall
- ✗ B. its proximity to the sea
- ✓ C. dry conditions and sparse vegetation
- ✗ D. high altitude

Q.94 **The Green Revolution was associated with which of the following techniques?**

Ans
- ✗ A. Terrace farming
- ✓ B. Use of chemical fertilisers and pesticides
- ✗ C. Organic farming
- ✗ D. Crop rotation

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Q.95 **How many people escaped multidimensional poverty in India between 2013-14 and 2022-23, as per NITI Aayog?**

Ans
- ✗ A. 12.5 crore
- ✗ B. 18.3 crore
- ✗ C. 30 crore
- ✓ D. 24.82 crore

Q.96 **The laws of motion describe how objects behave when they are in motion. Who among the following is credited with the formulation of these laws?**

Ans
- ✗ A. Michael Faraday
- ✗ B. Albert Einstein
- ✓ C. Isaac Newton
- ✗ D. JJ Thomson

Q.97 **Who led the rebellions of 1857 at Allahabad?**

Ans
- ✗ A. Lakshmi Bai and Tantia Tope
- ✓ B. Maulvi Liyakat Ali
- ✗ C. Kunwar Singh
- ✗ D. Khan Bahadur Khan

Q.98 **Who among the following was the court poet of Samudragupta?**

Ans
- ✗ A. Kalidasa
- ✓ B. Harishena
- ✗ C. Bharavi
- ✗ D. Vatsyayana

Q.99 **During which Five Year Plan was the slogan 'Garibi Hatao' (Eradicate Poverty) introduced?**

Ans
- ✗ A. Fourth Plan
- ✓ B. Fifth Plan
- ✗ C. Third Plan
- ✗ D. Second Plan

Q.100 **Mirza Wajid Ali Shah was the king of which of the following regions during the Indian Rebellion of 1857?**

Ans
- ✗ A. Satara
- ✗ B. Meerut
- ✗ C. Kanpur
- ✓ D. Awadh

Q.101 **In which of the following months are Rabi crops mostly harvested in the northern part of India?**

Ans
- ✗ A. October to December
- ✗ B. January to March
- ✗ C. July to September
- ✓ D. April to June

Q.102 **The Bharatiya Vayuyan Vidheyak, 2024, introduced in Lok Sabha in July 2024, proposed to set up how many statutory authorities?**

Ans
- ✗ A. Two
- ✗ B. Six
- ✗ C. Ten
- ✓ D. Three

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Q.103 **The power to rule in India was transferred from the British East India Company to the British Parliament in which of the following years?**

Ans
- ✔ A. 1858 AD
- ✘ B. 1860 AD
- ✘ C. 1861 AD
- ✘ D. 1857 AD

Q.104 **In January 2024, the Government of India, launched a flagship program 'Centre of Excellence (CoE) in Intelligent Internet of Things (IIoT) Sensors', at which place?**

Ans
- ✘ A. Bengaluru
- ✘ B. Hyderabad
- ✔ C. Kochi
- ✘ D. Pune

Q.105 **In September 2024, Prime Minister Narendra Modi flagged off India's first Vande Metro, renamed as Namo Bharat Rapid Rail, in which state?**

Ans
- ✘ A. Madhya Pradesh
- ✔ B. Gujarat
- ✘ C. Rajasthan
- ✘ D. Haryana

Q.106 **Indian playback singer Sonu Nigam bagged a Grammy Award in 2017 for which of the following music albums?**

Ans
- ✘ A. Best of Me
- ✔ B. Mubarkan
- ✘ C. Jaan
- ✘ D. Deewana

Q.107 **In September 2024, the Supreme Court granted bail to ex-Tamil Nadu minister V Senthil Balaji in which case?**

Ans
- ✔ A. Money Laundering case
- ✘ B. POSCO Act
- ✘ C. Tax Evasion case
- ✘ D. Corruption case

Q.108 **Plastids are vital organelles in plant cells. Which of the following is a function of plastids?**

Ans
- ✘ A. Synthesis of proteins
- ✘ B. Movement of organelles
- ✔ C. Photosynthesis
- ✘ D. Storage of genetic information

Q.109 **What traditional water harvesting system is used in the semi-arid and arid regions of Rajasthan?**

Ans
- ✘ A. Tankas
- ✔ B. Rooftop harvesting
- ✘ C. Guls
- ✘ D. Bamboo pipes

Q.110 **The volume of water versus temperature graph reaches the minimum at temperature _____.**

Ans
- ✔ A. 4°C
- ✘ B. 0°C
- ✘ C. 100°C
- ✘ D. 10°C

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Q.111 Under which Act were Debt Recovery Tribunals (DRTs) established?

Ans

✗ A. The Consumer Protection Act, 2019

✓ B. The Recovery of Debts and Bankruptcy Act (RDB Act), 1993

✗ C. The SARFAESI Act, 2002

✗ D. The Securitization Act, 2002

Q.112 Which sectors received the majority of the gross FDI inflows during the reported period?

Ans

✗ A. Agriculture and textiles

✓ B. Manufacturing, financial services, communication services and electricity

✗ C. Real estate and retail

✗ D. Information technology and hospitality

Q.113 Which of the following were done by the 42nd Constitutional Amendment Act?

Ans

✗ A. Limiting the size of Council of Ministers.

✗ B. Introducing the anti-defection law.

✓ C. Addition of word secular in the Preamble.

✗ D. Lowering the voting age from 21 to 18.

Q.114 The Bank Clinic is an initiative launched in June 2024 by the _____ to help customers address their grievances in retail banking.

Ans

✗ A. Reserve Bank of India (RBI)

✗ B. Ministry of Finance

✗ C. Indian Banking Association (IBA)

✓ D. All India Bank Employees' Association (AIBEA)

Q.115 On which of the following Sikh Guru's birth anniversary is the Prakash Parv celebrated?

Ans

✓ A. Guru Nanak Dev

✗ B. Guru Teg Bahadar

✗ C. Guru Hargobind Singh

✗ D. Guru Gobind Singh

Q.116 During the early years post-Independence, which sector was prioritised for development in India?

Ans

✗ A. Quaternary sector

✗ B. Secondary sector

✗ C. Tertiary sector

✓ D. Primary sector

Q.117 Who is the author of the book 'An Uncommon Love: The Early Life of Sudha and Narayana Murthy', published in 2024?

Ans

✗ A. Akshata Narayana Murty

✗ B. Rohan Murty

✓ C. Chitra Banerjee Divakaruni

✗ D. Sunanda Kulkarni

Q.118 Which Asian country hosted the 10th World Water Forum from 18 to 25 May 2024 in partnership with the World Water Council (WWC)?

Ans

✓ A. Indonesia

✗ B. Myanmar

✗ C. Vietnam

✗ D. Singapore

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Q.119 _____ became the first Indian left arm spinner to take 300 test wickets in Test cricket.

Ans

✔ A. Ravindra Jadeja

✘ B. Arshdeep Singh

✘ C. Axar Patel

✘ D. Kuldeep Yadav

Q.120 **Who among the following appoints the Administrator of a Union Territory without a Legislative Assembly?**

Ans

✔ A. The President of India

✘ B. Chief Minister of the State

✘ C. The Union Cabinet

✘ D. The Prime Minister

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	09/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **In an exam, the average marks obtained by John in English, Maths, Hindi and Drawing were 50.5. His average marks in Maths, Science, Social Studies and Craft were 70. If the average marks in all seven subjects was 58, his score in Maths was:**

Ans
- ✗ A. 52
- ✗ B. 50
- ✓ C. 76
- ✗ D. 60

Q.2 **A car travels 194 km in the first hour and 286 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?**

Ans
- ✓ A. 240
- ✗ B. 234
- ✗ C. 246
- ✗ D. 249

Q.3 $The\ value\ of\ \left(\frac{64}{64}\right)^{-\left(\frac{3}{2}\right)} \times \left(\frac{2}{8}\right)^{4} \div \sqrt[4]{(16)^{-3}}\ \ is:$

Ans
- ✓ A. $\frac{1}{32}$
- ✗ B. $\frac{1}{22}$
- ✗ C. $\frac{1}{23}$
- ✗ D. $\frac{1}{42}$

Q.4 **Evaluate the value of x if (5420 + 3312 + x) ÷ 600 = 25.93.**

Ans
- ✗ A. 1558
- ✗ B. 6359
- ✗ C. 6287
- ✓ D. 6826

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Q.5 There is a 40% increase in an amount in 4 years at simple interest. What will be the compound interest on ₹15,000 after 3 years at the same rate (compounded annually)?

Ans
- ✗ A. ₹5,000
- ✓ B. ₹4,965
- ✗ C. ₹19,965
- ✗ D. ₹1,331

Q.6 The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 132. Find the average of the remaining two numbers?

Ans
- ✗ A. 210
- ✗ B. 185.5
- ✗ C. 209
- ✓ D. 184.5

Q.7 If the cost price is 72% of the selling price, what is the profit percentage (approximately)?

Ans
- ✗ A. 61.2%
- ✓ B. 38.8%
- ✗ C. 28%
- ✗ D. 14.4%

Q.8 Which of the following numbers is exactly divisible by all prime numbers between 1 and 17?

Ans
- ✗ A. 459545
- ✗ B. 550540
- ✗ C. 818313
- ✓ D. 150150

Q.9 What is the HCF of 24 and 36?

Ans
- ✓ A. 12
- ✗ B. 6
- ✗ C. 8
- ✗ D. 18

Q.10 If an item is sold at marked price, the percentage of profit is 50%. A discount of x% is offered on the marked price and the profit earned is x%. The value of x is _____.

Ans
- ✗ A. 27.5
- ✓ B. 20
- ✗ C. 25
- ✗ D. 22.5

Q.11 At what rate of compound interest per annum will a sum of ₹3,600 become ₹4,277.16 in 2 years?

Ans
- ✗ A. 8%
- ✗ B. 8.5%
- ✓ C. 9%
- ✗ D. 9.5%

Q.12 The sum of 8 numbers is 924. Find their average.

Ans
- ✗ A. 114.5
- ✗ B. 113.5
- ✓ C. 115.5
- ✗ D. 116.5

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Q.13 Three pipes, A, B and C, together can fill a tank in 8 hours. After working together for 2 hours, C is closed, and A and B can fill the remaining part in 9 hours. Find the time taken by C to fill the empty tank alone.

Ans

✗ A. 16 hours

✗ B. 20 hours

✓ C. 24 hours

✗ D. 12 hours

Q.14 Evaluate: 41 - [36 - {48 ÷ 2 - (6 - 6 ÷ 3) ÷ 2}]

Ans

✓ A. 27

✗ B. 28

✗ C. 29

✗ D. 26

Q.15 There are 2664 students in a school and the ratio of boys to girls in the school is 41 : 31, then find the number of boys in school.

Ans

✗ A. 1515

✗ B. 1509

✓ C. 1517

✗ D. 1499

Q.16 If a pipe can fill a tank in 5 hours and another pipe can empty the tank in 8 hours, then what part of the tank will be filled by both pipes in 1 hour, if both pipes are open simultaneously?

Ans

✗ A. $\frac{3}{20}$part

✓ B. $\frac{3}{40}$part

✗ C. $\frac{1}{40}$part

✗ D. $\frac{1}{10}$part

Q.17 A tradesman marks his goods 30% above the cost price and allows his

Ans

✗ A. 4%

✓ B. 8%

✗ C. 2%

✗ D. 6%

Q.18 A 375 m long train crosses a man walking at a speed of 10.2 km/h in the opposite direction in 15 seconds. What is the speed (in km/h) of the train?

Ans

✗ A. 77.6

✗ B. 76.2

✗ C. 77.3

✓ D. 79.8

Q.19 A wholesaler sells a tin of soybean oil for ₹5,720 and makes a loss of soybean oil for ₹7,475, find his profit percentage in the sale of the se

Ans

✗ A. 15%

✗ B. 25%

✗ C. 10%

✓ D. 20%

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Q.20 **The speed of the current is 4 km/hr. A motorboat goes 6 km upstream and back again to the starting point in 48 minutes. The speed (in km/hr) of the motor of the sailor is:**

Ans

✗ A. 8

✓ B. 16

✗ C. 17

✗ D. 18

Q.21 **In what ratio should sugar costing ₹27 per kg be mixed with sugar costing ₹55 per kg so that by selling the mixture at ₹57.6 per kg, there is a profit of 44%?**

Ans

✗ A. 14 : 16

✗ B. 15 : 17

✗ C. 15 : 11

✓ D. 15 : 13

Q.22 **A number when increased by 40 %', gives 3290. The number is:**

Ans

✗ A. 4700

✗ B. 7050

✓ C. 2350

✗ D. 1175

Q.23 **Find the volume of a cube whose diagonal is $18\sqrt{3}$ cm long.**

Ans

✗ A. 1. 8,235 cm^3

✗ B. 2. 2,538 cm^3

✓ C. 3. 5,832 cm^3

✗ D. 4. 3,258 cm^3

Q.24 **The volume (in cm^3) of a wire of diameter 28 cm and length 14 m is:**

$take\ \pi = \frac{22}{7}$

Ans

✓ A. 862400

✗ B. 861900

✗ C. 861400

✗ D. 862500

Q.25 **PQRS is a rectangle. The ratio of the sides PQ and QR is 3 : 4. If the length of the diagonal PR is 10 cm, then what is the perimeter (in cm) of the rectangle?**

Ans

✗ A. 30

✓ B. 28

✗ C. 24

✗ D. 36

Q.26 **A company earns a profit (in ₹) that is distributed among the company's three partners in the ratio of 12 : 13 : 15. If the difference between the smallest and the largest shares is ₹36684, the total profit (in ₹) of the company is:**

Ans

✗ A. 489085

✗ B. 489096

✓ C. 489120

✗ D. 489144

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Q.27 **The average of first 130 even numbers is**

Ans

✗ A. 131.5

✓ B. 131

✗ C. 130.5

✗ D. 132

Q.28 **The greatest 5-digit number which is completely divisible by 11, 22, 33, 44 and 55 is:**

Ans

✗ A. 99880

✗ B. 99680

✗ C. 99860

✓ D. 99660

Q.29 **A bus travelling at 84 km/h completes a journey in 7 hours. At what speed will it have to cover the same distance in 14 hours?**

Ans

✗ A. 45 km/h

✗ B. 44 km/h

✓ C. 42 km/h

✗ D. 40 km/h

Q.30 **Find out the value of 'y' in the following equation.**

$72 \div 4 + y \times 6 - 22 = 14$

Ans

✓ A. 3

✗ B. 2

✗ C. 4

✗ D. 5

Q.31 **A student's marks in an exam increased from 72 to 90. What is the percentage increase in the student's marks?**

Ans

✗ A. 20%

✓ B. 25%

✗ C. 15%

✗ D. 10%

Q.32 **Evaluate: 2 × {17 - 3 × (8 -6)}**

Ans

✗ A. 19

✗ B. 21

✗ C. 26

✓ D. 22

Q.33 **A pipe can fill a tank in 7 hours. Another pipe can empty the filled tank in 21 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:**

Ans

✓ A. 7

✗ B. 14

✗ C. 21

✗ D. 28

Q.34 **Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Ajay borrowed an amount of ₹500000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Ajay after 2 years.**

Ans

✗ A. 26500

✗ B. 26000

✓ C. 25000

✗ D. 24500

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Q.35 After 57 litres of petrol was poured into an empty storage tank, it was still 1% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?

Ans

✗ A. 58.58

✓ B. 57.58

✗ C. 56.58

✗ D. 58

Section : **General Intelligence and Reasoning**

Q.36 Seven boxes A, B, C, D, U, V and W are kept one over the other but not necessarily in the same order. V is kept immediately above U. A is kept immediately above B. Only W is kept above C. Only two boxes are kept above V. A is not kept at third position from the bottom. How many boxes are kept between D and W?

Ans

✗ A. Four

✗ B. Two

✗ C. One

✓ D. Three

Q.37 Each of the digits in the number 91624538 is arranged in descending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

Ans

✓ A. Three

✗ B. None

✗ C. Two

✗ D. One

Q.38 Guru starts from Point A and drives 32 km towards the east. He then takes a right turn, drives 34 km, turns right and drives 35 km. He then takes a right turn and drives 36 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

Ans

✗ A. 3 km to the south

✗ B. 2 km to the north

✓ C. 2 km to the south

✗ D. 4 km to the north

Q.39 In a certain code language, 'POST' is coded as '3671', 'SOLE' is coded as '2168' and 'TALK' is coded as '5789'. What is the code for 'E' in the given code language?

Ans

✗ A. 1

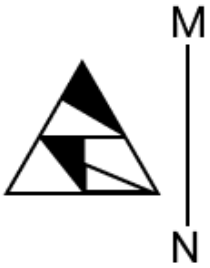
✓ B. 2

✗ C. 8

✗ D. 6

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Q.40



Ans

✗ A.



✗ B.



✓ C.



✗ D.



Q.41 **Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. No one sits to the right of D. Only two people sits between Q and E. E sits immediately to the left of D. R sits third to the left of C. P sits to the immediate left of E. How many people sit between S and E?**

Ans

✓ A. Three

✗ B. None

✗ C. One

✗ D. Two

Q.42 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some goats are tickets.
No clocks are tickets.
All tickets are pigeons.

Conclusions:
(I) Some goats are pigeons.
(II) Some goats are not clocks.

Ans

✗ A. Only conclusion (I) follows.

✗ B. Only conclusion (II) follows.

✓ C. Both conclusions (I) and (II) follow.

✗ D. Neither conclusion (I) nor (II) follows.

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Q.43 **Darpan starts from Point P and drives 8 km towards west. Then she takes a right turn, drives 10 km. She turns right again and drives 12 km. She then takes a right turn and drives 16 km. She then takes a final right turn and drives 4 km and stops at Point Q. How far (shortest distance) and towards which direction should she drive in order to reach Point P again? (All the turns are 90-degree turns only unless specified.)**

Ans

✗ A. 6 km towards east

✓ B. 6 km towards north

✗ C. 6 km towards west

✗ D. 4 km towards west

Q.44 **Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.**

DB_A H_GE _JKI PN_M T_SQ

Ans

✗ A. CFMOR

✓ B. CFLOR

✗ C. CFLOS

✗ D. CELOR

Q.45 **Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).**

(Left) 7 2 9 2 5 5 4 3 9 3 2 5 3 9 1 7 1 5 3 3 2 2 8 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✗ A. None

✓ B. Three

✗ C. One

✗ D. Two

Q.46 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
All cottages are buildings.
All cottages are skyscrapers.

Conclusions:
(I) Some buildings are skyscrapers.
(II) All skyscrapers are cottages.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Neither conclusion (I) nor (II) follows.

✗ C. Only conclusion (II) follows.

✓ D. Only conclusion (I) follows.

Q.47 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. VH – TL

✗ B. ZZ – XD

✓ C. AC – DF

✗ D. DR – BV

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Q.48 **Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.**

MT-PW-RU
PW-SZ-UX

Ans

✗ A. EL-HO-JN

✓ B. EL-HO-JM

✗ C. FL-HP-JN

✗ D. FL-HO-JN

Q.49 **A, B, C, D, E, F and G are sitting around a circular table, facing the centre. F sits to the immediate right of B. E sits third to the right of F. C sits second to the left of E. A is the immediate neighbour of D and E.**
How many people sit between B and G when counted from the left of B?

Ans

✗ A. Zero

✗ B. One

✗ C. Four

✓ D. Three

Q.50 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All buns are grinders.
All grinders are lamps.

Conclusions:
(I) : Some lamps are grinders.
(II) : All buns are lamps.

Ans

✗ A. Only conclusion (I) follows

✗ B. Neither conclusion (I) nor (II) follows

✓ C. Both conclusions (I) and (II) follow

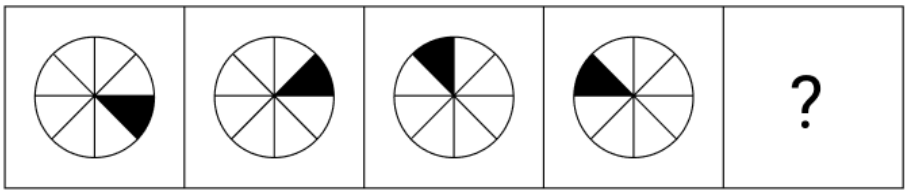
✗ D. Only conclusion (II) follows

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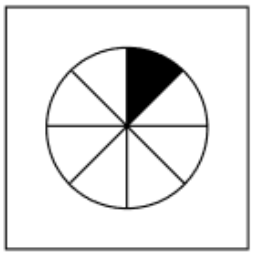
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Q.51

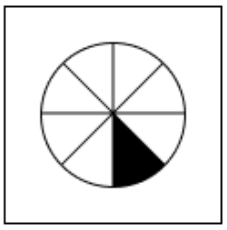


Ans

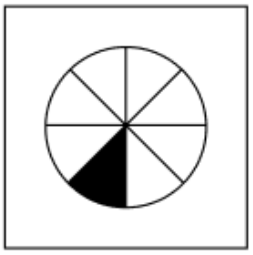
✗ A.



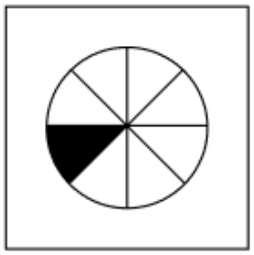
✗ B.



✓ C.



✗ D.



Q.52 **Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.**

(Left) 2 3 4 7 6 8 1 5 9 2 6 5 7 4 3 8 1 5 9 7 3 4 2 1 5 4 7 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✗ A. Two

✗ B. Three

✓ C. More than three

✗ D. One

Q.53 **If 1 is added to the digits which are at odd places, and the digits at even places remain unchanged in the number 2435, then what will be the sum of the first and last digits of the new number thus formed?**

Ans

✓ A. 8

✗ B. 10

✗ C. 9

✗ D. 11

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Q.54 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 20, 26)
(4, 14, 20)

Ans
✗ A. (12, 34, 40)
✗ B. (9, 29, 23)
✓ C. (5, 17,23)
✗ D. (8, 22, 28)

Q.55 **If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?**
9 B 2 A 3 C 8 D 3 = ?

Ans
✗ A. 9
✓ B. 11
✗ C. 8
✗ D. 5

Q.56 **Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.**

DM - JO - PQ
KQ - QS - WU

Ans
✓ A. EC - KE - QG
✗ B. IH - GF – NM
✗ C. DC - BA - YX
✗ D. VU - TR - QO

Q.57 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) $ < 2 7 > / 7 5 6 / < @ * 6 @ 8 3 9 $ ^ 6 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

Ans
✗ A. None
✓ B. One
✗ C. Three
✗ D. Two

Q.58 **In a certain code language,**
'A # B' means 'A is the mother of B',
'A % B' means 'A is the brother of B',
'A − B' means 'A is the wife of B' and
'A @ B' means ' A is the father of B'.

How is K related to Y if 'K @ L % P # O − Y'?

Ans
✓ A. Wife's mother's father
✗ B. Wife's mother's brother
✗ C. Wife's father
✗ D. Wife's brother

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Q.59 **Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit between B and F. E sits to the immediate left of F. Only one person sits between E and D. C sits at some place to the left of G but at some place to the right of A. How many people sit between B and E?**

Ans

✔ A. 4

✘ B. 2

✘ C. 3

✘ D. 1

Q.60 **In a certain code language, 'all the way' is coded as 'io er sw' and 'we all are' is coded as 'tg io nb'. How is 'all' coded in the given language?**

Ans

✘ A. sw

✘ B. tg

✔ C. io

✘ D. nb

Q.61 **In a certain code language,**
A + B means 'A is the wife of B',
A @ B means 'A is the son of B',
A - B means 'A is the father of B',
A * B means 'A is the brother of B'.

Based on the above, how is P related to H if 'P @ I + T * C - H'?

Ans

✘ A. Father's brother's sister

✘ B. Father's son's sister

✔ C. Father's brother's son

✘ D. Father's brother's mother

Q.62 **Each of B, E, Y, O, N, D and S has an interview on a different day of a week, starting from Monday and ending on Sunday of the same week. Only three people have an interview before D. E has an interview on one of the days after O and on one of the days before S. Y has an interview on one of the days after N and on one of the days before B. N has an interview on one of the days after D. How many people have an interview between Y and E?**

Ans

✘ A. One

✔ B. Three

✘ C. Two

✘ D. Zero

Q.63 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✘ A. GK - FJ

✔ B. LR - JP

✘ C. WH - VG

✘ D. DS - CR

Q.64 **In a certain code language, 'she is beautiful' is coded as 'ne oq bs' and 'where is he' is coded as 'os tr oq'. How is 'is' coded in the given language?**

Ans

✔ A. oq

✘ B. ne

✘ C. tr

✘ D. os

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Q.65 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**
AFC18 DIF27 GLI36 JOL45 ?

Ans
- ✗ A. MKO55
- ✗ B. MNO64
- ✗ C. MPL50
- ✓ D. MRO54

Q.66 **What should come in place of the question mark (?) in the given series?**

31 63 127 255 ? 1023

Ans
- ✗ A. 411
- ✓ B. 511
- ✗ C. 711
- ✗ D. 611

Q.67 **What should come in place of the question mark (?) in the given series?**

16 27 49 82 ? 181

Ans
- ✓ A. 126
- ✗ B. 125
- ✗ C. 124
- ✗ D. 127

Q.68 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

MBF69, YPR101, KDD133, WRP165, ?

Ans
- ✓ A. IFB197
- ✗ B. ICB197
- ✗ C. IFB198
- ✗ D. LFB197

Q.69 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**
KIO : IFJ
JDI : HAD

Ans
- ✗ A. FPT : DMP
- ✗ B. DQW : BNS
- ✗ C. CRG : ANB
- ✓ D. FUP : DRK

Q.70 **What should come in place of the question mark (?) in the given series?**

6 6 9 18 45 ?

Ans
- ✓ A. 135
- ✗ B. 145
- ✗ C. 140
- ✗ D. 150

Section : **General Awareness**

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Q.71 **Acetic acid is found in which of the following kitchen ingredients?**

Ans
- ✔ A. Vinegar
- ✘ B. Baking soda
- ✘ C. Sugar
- ✘ D. Milk

Q.72 **For what purpose did the Assam government launched the 'Nijut Moina' scheme in August 2024?**

Ans
- ✘ A. To support indigenous weavers and promote their traditional hand-woven items
- ✘ B. To provide healthcare facilities to all the citizens who cannot afford proper treatment
- ✔ C. To eradicate child marriages by empowering female students and promoting education over early marriage
- ✘ D. To eliminate financial difficulties for poor families

Q.73 **Name the artificial intelligence-enabled chatbot launched by SEBI on 29th July 2024?**

Ans
- ✘ A. SARATHI
- ✘ B. SHAKTI
- ✘ C. SAFAR
- ✔ D. SEVA

Q.74 **In September 2024, President Droupadi Murmu approved the establishment of which of the following commissions for the 2024-2027 term?**

Ans
- ✘ A. Finance Commission
- ✘ B. National Scheduled Castes Commission
- ✔ C. Law Commission
- ✘ D. National Scheduled Tribe Commission

Q.75 **Who was appointed the new chairman of the Bombay Stock Exchange Brokers' Forum (BBF) in September 2024?**

Ans
- ✘ A. Harsh Mehta
- ✘ B. Gautam Adani
- ✔ C. Anup Gupta
- ✘ D. Kishor Kansagra

Q.76 **Who among the following was NOT associated with the 'moderate' phase of Indian National Congress?**

Ans
- ✘ A. Surendranath Banerjee
- ✔ B. Bipin Chandra Pal
- ✘ C. Gopal Krishna Gokhale
- ✘ D. Dadabhai Naoroji

Q.77 **Goblet cells play a crucial role in maintaining the health of various organs. Where are goblet cells primarily located in the human body?**

Ans
- ✘ A. Brain
- ✔ B. Digestive tract
- ✘ C. Kidneys
- ✘ D. Liver

Q.78 **What is outsourcing?**

Ans
- ✘ A. Exporting goods
- ✔ B. Contracting out services to other countries
- ✘ C. Lending of money
- ✘ D. Importing goods

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Q.79 **Which film was selected as the opening film for the Indian Panorama section at IFFI 2024?**

Ans
- ✔ A. Swatantrya Veer Savarkar
- ✘ B. 12th Fail
- ✘ C. Kalki 2898 AD
- ✘ D. Karkhanu

Q.80 **Which of the following Articles of Part IV of the Indian Constitution has a provision for the separation of Judiciary from the Executive?**

Ans
- ✘ A. Article 49
- ✔ B. Article 50
- ✘ C. Article 51
- ✘ D. Article 48

Q.81 **Where was the 14th meeting of the India-Australia Joint Working Group on counter-terrorism held on 12 August 2024?**

Ans
- ✔ A. New Delhi
- ✘ B. Bengaluru
- ✘ C. Kolkata
- ✘ D. Mumbai

Q.82 **Articles 52 to 78 of the Indian Constitution deal with:**

Ans
- ✘ A. the Judiciary
- ✘ B. the Legislature
- ✘ C. the State Executive
- ✔ D. the Union Executive

Q.83 **Nanda Devi Biosphere Reserve is located in which state?**

Ans
- ✘ A. Odisha
- ✔ B. Uttarakhand
- ✘ C. Himachal Pradesh
- ✘ D. Karnataka

Q.84 **The Central Drugs Standard Control Organisation, in August 2024, has granted approval to Siemens Healthineers for the manufacture of RT-PCR testing kits for detection of _____.**

Ans
- ✘ A. Small Pox
- ✘ B. Dengue
- ✘ C. Swine Flu
- ✔ D. Monkey Pox

Q.85 **Which of the following statements is true about the Directive Principles of State Policy (DPSP) mentioned in the Indian Constitution?**

Ans
- ✘ A. DPSP's are legally bounded.
- ✔ B. DPSP's are non-justiciable.
- ✘ C. DPSP's are justiciable.
- ✘ D. DPSP's are non-amendable.

Q.86 **Which of the following is an example of economic development in action?**

Ans
- ✘ A. A factory producing more goods
- ✘ B. A country lowering its interest rates
- ✘ C. A rise in consumer prices
- ✔ D. Improved access to employment opportunities

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Q.87 **Who was the first ruler of the Gupta dynasty to adopt the grand title of Maharajadhiraja?**

Ans

✗ A. Skandagupta

✗ B. Kumaragupta

✗ C. Vishnugupta

✓ D. Chandragupta I

Q.88 **With which of the following rivers is the Omkareshwar Project associated?**

Ans

✗ A. Chambal

✓ B. Narmada

✗ C. Bhima

✗ D. Tapi

Q.89 **Which of the following statements is/are correct regarding the Pradhan Mantri Grammen Sadak Yojana (PMGSY)?**
1. PMGSY is a 100% centrally sponsored scheme.
2. This schemes connect the unconnected habitats of rural areas with a population 500 persons and above in plain areas.
3. This scheme is not applicable to hilly areas and North East states.

Ans

✓ A. 1 and 2 only

✗ B. 2 and 3 only

✗ C. 1 and 3 only

✗ D. 1, 2 and 3

Q.90 **MS Gopalakrishnan is known for playing which of the following musical instruments in India?**

Ans

✗ A. Sarangi

✗ B. Guitar

✗ C. Sarod

✓ D. Violin

Q.91 **Which of the following statements is/are correct?**

Statement 1: The Peninsular India has a well-defined cold weather season.
Statement 2: There is hardly any seasonal change in the distribution pattern of the temperature in coastal areas of India.

Ans

✓ A. Statement 2 is correct, while statement 1 is incorrect.

✗ B. Neither statement 1 nor statement 2 is correct.

✗ C. Statement 1 is correct, while statement 2 is incorrect.

✗ D. Both statement 1 and statement 2 are correct.

Q.92 **Under the Sagar Mala project, the overall set of projects were divided into how many number of pillars?**

Ans

✓ A. 5

✗ B. 7

✗ C. 11

✗ D. 9

Q.93 **For a system, moment of inertia (I) angular velocity (ω) graph looks like:**

Ans

✗ A. straight-line passing through origin

✓ B. rectangular hyperbola

✗ C. exponential

✗ D. sigmoidal

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Q.94 **When milk gets converted into curd, the bacteria improves its nutritional quality by increasing ____.**

Ans

✗ A. vitamin D

✗ B. vitamin A

✓ C. vitamin B12

✗ D. vitamin C

Q.95 **In which year did Ram Prasad Bismil and his comrades, including Ashfaqullah Khan, carry out the Kakori Train Action?**

Ans

✗ A. 1920

✗ B. 1922

✓ C. 1925

✗ D. 1918

Q.96 **Which of the following options correctly represents the chemical name (IUPAC) of baking soda?**

Ans

✓ A. Sodium Hydrogencarbonate

✗ B. Calcium Carbonate

✗ C. Sodium Chloride

✗ D. Potassium Bicarbonate

Q.97 **Which of the following Acts was based on the Mountbatten plan?**

Ans

✗ A. Simon Commission, 1927

✗ B. Government of India Act, 1935

✓ C. Indian Independence Act, 1947

✗ D. Composition of Constituent Assembly

Q.98 **The Indian Councils Act of 1909 is also known as _____.**

Ans

✗ A. Ilbert Bill

✗ B. Pitt's India Act

✗ C. Montagu-Chelmsford Reforms

✓ D. Morley-Minto Reforms

Q.99 **Which airport is known as Netaji Subhas Chandra Bose International Airport?**

Ans

✗ A. Hyderabad

✗ B. Bhubaneshwar

✓ C. Kolkata

✗ D. Patna

Q.100 **The first volume of Akbarnama dealt with the history of _____.**

Ans

✗ A. Akbar's administration

✓ B. Akbar's ancestors

✗ C. Akbar's army and revenues

✗ D. the events of Akbar's reign

Q.101 **Padas in Carnatic classical music are scholarly compositions in ____ and Tamil.**

Ans

✗ A. Sanskrit

✗ B. Kannada

✓ C. Telugu

✗ D. Hindi

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Q.102 **In July 2024, the Government of India upgraded the Indian Railway Catering and Tourism Corporation to which category of Central Public Sector Enterprises?**

Ans

✗ A. Schedule D

✗ B. Schedule C

✗ C. Schedule B

✓ D. Schedule A

Q.103 **The trio of extremist leaders, Lal-Bal-Pal, became prominent after:**

Ans

✓ A. Partition of Bengal

✗ B. World War II

✗ C. Non-Cooperation Movement

✗ D. Dandi March

Q.104 **What was ICICI Bank's net NPA ratio at the end of Q3 2024?**

Ans

✗ A. 0.55%

✗ B. 0.50%

✗ C. 0.43%

✓ D. 0.44%

Q.105 **Who won the Men's Goalkeeper of the Year award at the FIH Hockey Star Awards ceremony on November 8, 2024?**

Ans

✗ A. Jarmanpreet Singh

✗ B. Krishan Pathak

✗ C. Suraj Karkera

✓ D. PR Sreejesh

Q.106 **Ravi Shankar was a legendary _____ player.**

Ans

✗ A. tabla

✗ B. flute

✗ C. guitar

✓ D. sitar

Q.107 **Under which Section of the Consumer Protection Act, 2019, was the Central Consumer Protection Authority (CCPA) established?**

Ans

✗ A. Section 21

✓ B. Section 10

✗ C. Section 12

✗ D. Section 15

Q.108 **What is the maximum number of ministers, including the Chief Minister, allowed in a state council of ministers as per Article 164?**

Ans

✗ A. 12% of the total strength of the legislative assembly

✓ B. 15% of the total strength of the legislative assembly

✗ C. 10% of the total strength of the legislative assembly

✗ D. 20% of the total strength of the legislative assembly

Q.109 **Who was the first President of the Indian National Congress?**

Ans

✗ A. Gopal Krishna Gokhale

✓ B. Womesh Chandra Bonnerjee

✗ C. Firoz Shah Mehta

✗ D. Dadabhai Naoroji

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Q.110 When did ISRO launch a microsatellite equipped with advanced payloads designed for environmental monitoring, disaster management and remote sensing applications?

Ans

✗ A. 8 August 2024

✗ B. 16 September 2024

✓ C. 16 August 2024

✗ D. 8 September 2024

Q.111 The U.S.- Nigeria _____ Transport Agreement, which has been provisionally applied since 2000, entered into force on May 13, 2024.

Ans

✓ A. Air

✗ B. Water

✗ C. Rail

✗ D. Road

Q.112 Dr. BR Ambedkar was appointed as the ____ of independent India in 1947.

Ans

✓ A. Law Minister

✗ B. Finance Minister

✗ C. Defense Minister

✗ D. Education Minister

Q.113 The Great Indian Desert is also known as:

Ans

✗ A. Kutch Desert

✗ B. Deccan Plateau

✓ C. Thar Desert

✗ D. Malwa Plateau

Q.114 The Great Indian Plains are primarily known for:

Ans

✓ A. alluvial soils and high agricultural productivity

✗ B. desert vegetation

✗ C. alluvial soils and low agricultural productivity

✗ D. mineral resources and sand dunes

Q.115 What is the approximate total length of the Golden Quadrilateral (GQ) highway network?

Ans

✓ A. 5846 km

✗ B. 7300 km

✗ C. 1235 km

✗ D. 1700 km

Q.116 Which sector in India faces the highest level of seasonal unemployment?

Ans

✗ A. Education sector

✓ B. Agricultural sector

✗ C. IT sector

✗ D. Healthcare sector

Q.117 Who is known as the inventor of the Mohan Veena in India?

Ans

✗ A. M Rajam

✗ B. Budhaditya Mukherjee

✓ C. Pt. Vishwa Mohan Bhatt

✗ D. Hara Shankar Bhattacharya

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Q.118 **HSBC India's global education payment service, launched in 2024, allows Indian students to pay fees to over how many international universities and colleges?**

Ans

✗ A. 500

✓ B. 600

✗ C. 400

✗ D. 300

Q.119 **In which year did India experience a severe balance of payments crisis, prompting economic reforms?**

Ans

✗ A. 1990

✗ B. 1985

✗ C. 1981

✓ D. 1991

Q.120 **SBI expects to plough back how much in profits by the end of FY24?**

Ans

✓ A. ₹40,000 crore

✗ B. ₹9,164 crore

✗ C. ₹47,620 crore

✗ D. ₹14,205 crore

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	09/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A certain sum invested at 8% per annum compound interest, compounded annually, amounts to ₹10,580 at the end of 2 years. Find the sum.**

Ans
- ✗ A. ₹9,007.64
- ✓ B. ₹9,070.64
- ✗ C. ₹9,600.70
- ✗ D. ₹9,400.70

Q.2 **After 62 litres of petrol was poured into an empty storage tank, it was still 10% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?**

Ans
- ✗ A. 67.89
- ✗ B. 69.89
- ✗ C. 63
- ✓ D. 68.89

Q.3 **The smallest number which, when divided by 3, 5 and 7 leaves a remainder of 5 in each case, is:**

Ans
- ✗ A. 115
- ✗ B. 95
- ✓ C. 110
- ✗ D. 100

Q.4 **A sum of ₹5,000 is invested for 2 years at an annual interest rate of 6%. What will be the difference in the Compound Interest (CI) and Simple Interest (SI) at the end of 2 years? Use $(1.06)^2 = 1.1236$**

Ans
- ✗ A. ₹28
- ✓ B. ₹18
- ✗ C. ₹16
- ✗ D. ₹48

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Q.5 If the distance between A and B is 1404 Km. From A, Namit goes to B with speed 69 km/h and return to A with the speed 49 km/h. Find the average speed of Namit.(rounded off to two decimal place)

Ans
- ✔ A. 57.31 km/h
- ✘ B. 52.33 km/h
- ✘ C. 63.38 km/h
- ✘ D. 60.78 km/h

Q.6 The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 102. Find the average of the remaining two numbers?

Ans
- ✘ A. 178
- ✔ B. 200.5
- ✘ C. 179
- ✘ D. 201.5

Q.7 If the length of cuboid is 2 cm, breadth is 7 cm and the volume of cuboid is 5278 cm^3, then find the height of cuboid (in cm).

Ans
- ✘ A. 367
- ✔ B. 377
- ✘ C. 384
- ✘ D. 372

Q.8 Which of the following numbers is divisible by 5?

Ans
- ✔ A. 24315
- ✘ B. 24317
- ✘ C. 24314
- ✘ D. 24311

Q.9 Which of the following ratio is smallest?

Ans
- ✔ A. 13 : 45
- ✘ B. 28 : 46
- ✘ C. 24 : 31
- ✘ D. 29 : 36

Q.10 If the LCM of $x \times \sqrt{y}$ and $y \times \sqrt{x}$ is 1, then the LCM of $4 \times x^3 \times \sqrt{y^6}$ and $y^3 \times \sqrt{4 \times x^6}$ is _____.

Ans
- ✘ A. 81^2
- ✔ B. 41^3
- ✘ C. 1^2
- ✘ D. 21^2

Q.11 The average of first 113 even numbers is

Ans
- ✘ A. 114.5
- ✔ B. 114
- ✘ C. 115
- ✘ D. 113.5

Q.12 If the perimeter of a triangle is doubled, then its area is _____ times the previous area.

Ans
- ✔ A. 4
- ✘ B. 2.5
- ✘ C. 2
- ✘ D. 1.5

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Q.13 Find the value of x in the following equation.

$$\frac{8}{(x-3)} = \frac{6}{(x+5)}$$

Ans
- ✔ A. −27
- ✘ B. −29
- ✘ C. −31
- ✘ D. −25

Q.14 **A dinner set is sold at ₹9,775 after giving a discount of 15%. What is the marked price of the dinner set?**

Ans
- ✔ A. ₹11,500
- ✘ B. ₹10,500
- ✘ C. ₹12,250
- ✘ D. ₹13,250

Q.15 **A bike goes 7 meters in a second. Find its speed in km/hr.**

Ans
- ✔ A. 25.2
- ✘ B. 34.4
- ✘ C. 25.1
- ✘ D. 26.9

Q.16 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 116. Find the average of the remaining two numbers?**

Ans
- ✘ A. 195.5
- ✘ B. 192
- ✔ C. 194.5
- ✘ D. 191

Q.17 **A 338 m long train crosses a man walking at a speed of 6.8 km/h in the opposite direction in 12 seconds. What is the speed (in km/h) of the train ?**

Ans
- ✘ A. 90.5
- ✘ B. 97.5
- ✔ C. 94.6
- ✘ D. 91.6

Q.18 **The sum of 8 numbers is 912. Find their average.**

Ans
- ✔ A. 114
- ✘ B. 112
- ✘ C. 113
- ✘ D. 115

Q.19 **A retailer buys an electronic item for ₹175. His overhead expenses are ₹25. He sells the electronic item for ₹340 and makes x%' profit. The value of x is:**

Ans
- ✘ A. 50
- ✔ B. 70
- ✘ C. 90
- ✘ D. 60

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Q.20 **Evaluate: 41 - [36 - {48 ÷ 2 - (6 - 8 ÷ 2) ÷ 2}]**

Ans

✗ A. 27

✗ B. 29

✓ C. 28

✗ D. 30

Q.21 **In covering a distance of 40 km, Amit takes 2 hours more than Vinay. If Amit doubles his speed, then he would take 8 hour less than Vinay. Amit's speed is:**

Ans

✗ A. 11 km/h

✗ B. 4 km/h

✗ C. 12 km/h

✓ D. 2 km/h

Q.22 **In a sale, a trader offers several discount schemes. Choose a scheme that provides the highest discount from the following options.**

Ans

✓ A. A single discount of 20%

✗ B. Two successive discounts of 10% each

✗ C. Two successive discounts of 8% and 12%

✗ D. Two successive discounts of 10% and 11%

Q.23 **Find the value of** $\left(\frac{1}{5}\right)^{-2} + \left(\frac{1}{9}\right)^{-2} + \left(\frac{1}{2}\right)^{-2}$.

Ans

✗ A. 118

✗ B. 116

✗ C. 107

✓ D. 110

Q.24 **Simplify the following:**
12 ÷ (12 × 12) + (15 ÷15) ÷ 15 × 15 + 15

Ans

✗ A. $\frac{112}{93}$

✗ B. $\frac{12}{193}$

✗ C. $\frac{93}{112}$

✓ D. $\frac{193}{12}$

Q.25 **Prakash and Vinesh can complete a certain piece of work in 17 and 15 days, respectively, They started to work together, and after 4 days, Vinesh left. In how many days will Prakash complete the remaining work?**

Ans

✗ A. $\frac{2156}{257}$

✗ B. $\frac{2157}{255}$

✓ C. $\frac{2159}{255}$

✗ D. $\frac{2160}{256}$

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Q.26 Pankaj and Kamal can do a piece of work in 12 days and 16 days, respectively. In how much time will they together complete the same work?

Ans

✔ A. $6\frac{6}{7}$ days

✘ B. $6\frac{4}{5}$ days

✘ C. $5\frac{3}{7}$ days

✘ D. $5\frac{3}{5}$ days

Q.27 Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Atul borrowed an amount of ₹420000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Atul after 3 years.

Ans

✘ A. 33000

✘ B. 31000

✘ C. 32500

✔ D. 31500

Q.28 A number when increased by 40 %', gives 3360. The number is:

Ans

✘ A. 4800

✔ B. 2400

✘ C. 7200

✘ D. 1200

Q.29 $The\ value\ of\ \left(\frac{4096}{9}\right)^{-\left(\frac{3}{2}\right)} \times \left(\frac{4}{3}\right)^{5} \div \sqrt[4]{(256)^{-3}}\ \ is:$

Ans

✔ A. $\frac{1}{36}$

✘ B. $\frac{1}{41}$

✘ C. $\frac{1}{43}$

✘ D. $\frac{1}{37}$

Q.30 The volume (in cm^3) of a wire of diameter 2 cm and length 98 m is:

$take\ \pi = \frac{22}{7}$

Ans

✘ A. 31600

✘ B. 27300

✔ C. 30800

✘ D. 29800

Q.31 A shopkeeper buys a watch for ₹2,000 and sells it for ₹2,400. What is the percentage of profit?

Ans

✘ A. 25%

✘ B. 16.67%

✘ C. 22.67%

✔ D. 20%

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Q.32 **Mukund bought 52 books for Rs 1130 from one shop and 44 books for Rs 910 from another. What is the average price (in Rs) he paid per book ?**

Ans
- ✗ A. 24.25
- ✓ B. 21.25
- ✗ C. 22.25
- ✗ D. 23.25

Q.33 **The price of an item is initially increased by 20%, and then the new price is decreased by 10%. What is the overall percentage change in the price?**

Ans
- ✓ A. 8% increase
- ✗ B. 6% increase
- ✗ C. 6% decrease
- ✗ D. 8% decrease

Q.34 **Pravin can do a piece of work in 8 hours. Rishi can do it in 24 hours. With the assistance of Shan, they completed the work in 3 hours. In how many hours can Shan alone do it?**

Ans
- ✗ A. 5
- ✓ B. 6
- ✗ C. 8
- ✗ D. 7

Q.35 **In a business, A, B and C invest ₹1,00,000, ₹2,00,000 and ₹2,50,000, respectively. If B gets ₹5,500 as profit, then the total profit (in ₹) is:**

Ans
- ✗ A. 15,512
- ✗ B. 15,552
- ✗ C. 15,215
- ✓ D. 15,125

Section : **General Intelligence and Reasoning**

Q.36 **K, L, M, N, O, and P are sitting around a circular table facing the centre. K sits to the immediate right of N. M sits third to the right of K. Only P sits between K and O. What is the position of L with respect to K?**

Ans
- ✗ A. Second to the right
- ✓ B. Second to the left
- ✗ C. Third to the right
- ✗ D. Immediate left

Q.37 **XDOL is related to IMZU in a certain way based on the English alphabetical order. In the same way, PNGV is related to AWRE. To which of the given options is WONW related, following the same logic?**

Ans
- ✗ A. HFYX
- ✗ B. HFXY
- ✓ C. HXYF
- ✗ D. HXFY

Q.38 **In a certain code language, 'review the bill' is coded as 'tk jb zb' and 'bill was paid' is coded as 'ab tm tk'. How is 'bill' coded in the given language?**

Ans
- ✓ A. tk
- ✗ B. jb
- ✗ C. zb
- ✗ D. tm

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Q.39 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

ONE QPF SRG UTH ?

Ans

✗ A. WVJ

✗ B. WWI

✓ C. WVI

✗ D. WXI

Q.40 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some poems are songs.
All songs are essays.

Conclusions:
(I) Some poems are essays.
(II) All poems are essays.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Only conclusion (II) follows.

✓ C. Only conclusion (I) follows.

✗ D. Neither conclusion (I) nor (II) follows.

Q.41 **The unit digit of a three-digit number is two less than the tens digit, and the hundreds digit is three more than the tens digit. What number is it if the total of the digits is 16?**

Ans

✗ A. 358

✗ B. 673

✓ C. 853

✗ D. 574

Q.42 **Gimmy ranked 8th from the bottom and 9th from the top in his class. How many students are there in his class?**

Ans

✓ A. 16

✗ B. 17

✗ C. 18

✗ D. 15

Q.43 **In a certain code language,**

'A + B' means 'A is the sister of B',
'A – B' means 'A is the brother of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means ' A is the father of B'.

How is P related to T if 'P + Q × R – S ÷ T'?

Ans

✗ A. Mother's brother's wife's sister

✗ B. Father's brother's wife's mother

✗ C. Mother's brother's wife's mother

✓ D. Father's brother's wife's sister

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Q.44 **In a certain code language,**
A + B means 'A is the son of B',
A – B means 'A is the sister of B',
A x B means 'A is the father of B',
A ÷ B means 'A is the mother of B'.

Based on the above, how is P related to T if 'P x Q ÷ R – S + T'?

Ans
- ✗ A. Mother's father
- ✗ B. Father's brother
- ✗ C. Father's father
- ✓ D. Wife's father

Q.45 **Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(60, 5, 12)
(72, 8, 9)

Ans
- ✗ A. 24, 5, 6
- ✗ B. 46, 8, 6
- ✗ C. 36, 9, 3
- ✓ D. 56, 7, 8

Q.46 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

XVR : ZZU
PQV : RUY

Ans
- ✗ A. NNT : PRX
- ✗ B. QUS : SXW
- ✓ C. VRQ : XVT
- ✗ D. UTL : WXN

Q.47 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) & ^ 7 \ % 8 < 1 $ + \ 6 % > > 6 / * # & & (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

Ans
- ✗ A. One
- ✗ B. Three
- ✗ C. Two
- ✓ D. None

Q.48 **Seven people, A, B, C, D, E, F and G, are sitting in a straight line facing north. Only two people are sitting to the left of F. A is sitting to the immediate right of F. E is sitting second to the right of A. B is sitting to the immediate right of E. C is sitting at the left end of the line. G is not an immediate neighbour of F. Who is sitting between C and F?**

Ans
- ✗ A. E
- ✗ B. A
- ✓ C. D
- ✗ D. B

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Q.49 **What should come in place of the question mark (?) in the given series?**

215 ? 221 223 227 229

Ans

✔ A. 217

✘ B. 216

✘ C. 218

✘ D. 219

Q.50 **Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)**

(Left) 2 7 4 9 3 5 7 6 4 5 6 4 1 9 5 1 3 5 8 4 2 7 8 4 2 6 (Right)

How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✔ A. Three

✘ B. Four

✘ C. One

✘ D. Two

Q.51 **Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. Only three people sits to the right of D. Only one person sits to the left of Q. C sits immediately to the right of S. Only four people sit between C and Q. P sits some place to the left of R but some place to the right of E. How many people sit between E and R?**

Ans

✘ A. None

✘ B. Two

✔ C. Three

✘ D. One

Q.52 **What should come in place of the question mark (?) in the given series?**

201 202 204 207 211 ?

Ans

✘ A. 215

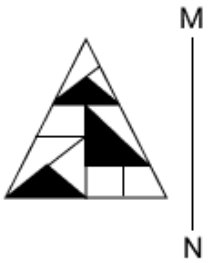
✘ B. 217

✘ C. 218

✔ D. 216

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Q.53



Ans

✗ A.



✗ B.



✗ C.



✓ D.



Q.54 **Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.**
(Left) # 2 $ + / + 4 9 @ # > > > @ 9 8 # $ @ ^ 9 (Right)
How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

Ans

✓ A. One

✗ B. Two

✗ C. None

✗ D. Three

Q.55 **Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.**

ED_C J_FH _NKM TS_R Y_UW

Ans

✗ A. AIOPV

✓ B. AIOPX

✗ C. AGOPX

✗ D. AILPX

Q.56 **Abhisht starts from Point A and drives 5 km towards north. He then takes a right turn, drives 6 km, turns right and drives 10 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans

✓ A. 5 km to the east

✗ B. 5 km to the west

✗ C. 6 km to the east

✗ D. 6 km to the west

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Q.57 **Mr. Tqr starts from Point A and drives 23 km towards North. He then takes a right turn, drives 7 km, turns right and drives 9 km. He then takes a left turn, drives 13 km, turns right and drives 22 km. He then takes a right turn and drives 24 km. He takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans

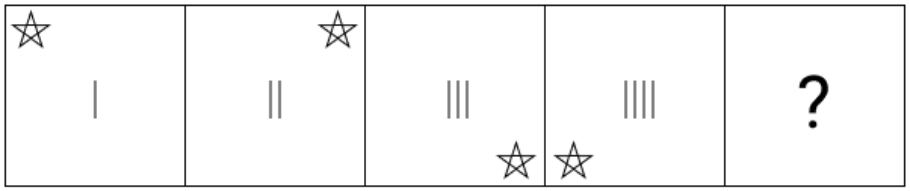
✗ A. 8 km to the South

✗ B. 8 km to the North

✓ C. 4 km to the East

✗ D. 4 km to the West

Q.58



Ans

✓ A.



✗ B.



✗ C.



✗ D.



Q.59 **ROPE is related to TSRI in a certain way based on the English alphabetical order. In the same way, NEST is related to PIUX. To which of the following is FAIL related, following the same logic?**

Ans

✗ A. JCMN

✓ B. HEKP

✗ C. HWKH

✗ D. DEHP

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Q.60 **Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that does NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans
- ✔ A. LEO
- ✘ B. OYI
- ✘ C. ISC
- ✘ D. PZJ

Q.61 **Each of the digits in the number 6847521 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?**

Ans
- ✘ A. Three
- ✔ B. One
- ✘ C. Two
- ✘ D. None

Q.62 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some pens are sketch.
No sketch is colour.
All colours are water.
Conclusions:
I) No pen is water.
II) Some sketches are water.
III) Some water is not sketch.

Ans
- ✔ A. Only III conclusion follows
- ✘ B. Either conclusion II or III follows
- ✘ C. Both conclusion I and II follow
- ✘ D. Only I conclusion follows

Q.63 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

XGM GPV PYE YHN ?

Ans
- ✘ A. HQI
- ✘ B. HWQ
- ✘ C. HYU
- ✔ D. HQW

Q.64 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 56183472, what will be difference between the highest and lowest digits in the number thus formed?**

Ans
- ✘ A. 4
- ✔ B. 8
- ✘ C. 7
- ✘ D. 6

Q.65 **In a certain code language, 'ETYJ' is coded as '5970' and 'JEFT' is coded as '0857'. What is the code for 'F' in the given code language?**

Ans
- ✘ A. 5
- ✔ B. 8
- ✘ C. 7
- ✘ D. 0

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Q.66 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans

✗ A. FKP

✗ B. XCH

✓ C. MPW

✗ D. QVA

Q.67 **What should come in place of the question mark (?) in the given series?**

911 912 914 917 921 ?

Ans

✓ A. 926

✗ B. 925

✗ C. 927

✗ D. 924

Q.68 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
Some clocks are frames.
Some frames are paintings.

Conclusions:
(I) Some clocks are paintings.
(II) All paintings are frames.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Only conclusion (II) follows.

✓ C. Neither conclusion (I) nor (II) follows.

✗ D. Only conclusion (I) follows.

Q.69 **Each of C, O, M, I, N, G and S has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. G has exam on the first day of the week. Only five people have exam after S. Only three people have exam between C and M. Only three people have exam between I and S. O has exam on some day before M and on some day after N. How many people have exam before C?**

Ans

✓ A. Two

✗ B. One

✗ C. Four

✗ D. Three

Q.70 **In a certain code language, 'eat more fruits' is coded as 'lo tk jo' and 'fruits are expensive' is coded as 'jo bk mb'. How is 'fruits' coded in the given language?**

Ans

✗ A. mb

✗ B. lo

✗ C. tk

✓ D. jo

Section : **General Awareness**

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Q.71 **On 7 October 2024, International Finance Corporation (IFC) and Axis Bank have partnered for a loan of how many million to promote green and blue finance in India?**

Ans

✗ A. $300 million

✗ B. $1200 million

✓ C. $500 million

✗ D. $700 million

Q.72 **What was the main focus of the first Five-Year Plan?**

Ans

✗ A. Green revolution

✗ B. Infrastructure development

✓ C. Agricultural development

✗ D. Industrial development

Q.73 **The Oilfields (Regulation and Development) Amendment Bill, 2024, introduced in Rajya Sabha in August 2024 expands definition of mineral oils to include which of the following?**

Ans

✗ A. Crude oil and diesel

✗ B. Biofuels and ethanol

✗ C. Coal and lignite

✓ D. Petroleum and natural gas

Q.74 **Where did the sepoys go after their mutiny in Meerut?**

Ans

✗ A. Bareilly

✓ B. Delhi

✗ C. Kanpur

✗ D. Lucknow

Q.75 **Oxygen is an essential element for all life forms on Earth. Its atomic number is:**

Ans

✗ A. 6

✗ B. 10

✓ C. 8

✗ D. 12

Q.76 **What is the minimum required experience as an advocate or pleader for a person to be eligible for appointment as a district judge?**

Ans

✗ A. Five Years

✗ B. Three Years

✓ C. Seven Years

✗ D. Ten Years

Q.77 **Which of the following literary works of Sangam period has been considered as a collection of the oldest surviving Tamil Poetry?**

Ans

✗ A. Pattuppattu

✗ B. Manimekhlai

✓ C. Patinenmelkanakku

✗ D. Ettuthokai

Q.78 **Which of the following states is the leading producer of jute in India?**

Ans

✗ A. Punjab

✗ B. Madhya Pradesh

✗ C. Bihar

✓ D. West Bengal

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Q.79 **Which river is known as the 'Sorrow of Bihar' due to its frequent course changes?**

Ans

✗ A. River Ghaghara

✗ B. River Yamuna

✓ C. River Kosi

✗ D. River Ganga

Q.80 **Which of the following is a characteristic of rural settlements in India?**

Ans

✗ A. High population density

✓ B. Limited access to infrastructure

✗ C. Economic activities are mainly based on tertiary sector

✗ D. High-rise buildings

Q.81 **In 2024, which Indian IT company announced the establishment of a new AI-Cloud lab in Singapore to advance innovations in artificial intelligence and cloud computing?**

Ans

✗ A. TCS

✗ B. Wipro

✓ C. HCL Tech

✗ D. Infosys

Q.82 **During which Five-Year Plan did the focus shift towards industrialisation rather than agriculture?**

Ans

✗ A. Fifth Five-Year Plan

✗ B. First Five-Year Plan

✓ C. Second Five-Year Plan

✗ D. Third Five-Year Plan

Q.83 **Spain won its _____ UEFA European Championships title in history as it beat England 2-1 in the Euro Cup 2024 final on 15 July 2024.**

Ans

✗ A. fifth

✗ B. third

✗ C. second

✓ D. fourth

Q.84 **The 36th Amendment Act of the Indian Constitution, 1975, incorporated which of the following as a part of India?**

Ans

✓ A. Sikkim

✗ B. Dadra and Nagar Haveli

✗ C. Goa

✗ D. Puducherry

Q.85 **In which of the following years, was the founder of Sikhism, Sri Guru Nanak Dev, born?**

Ans

✓ A. 1469

✗ B. 1576

✗ C. 1532

✗ D. 1425

Q.86 **What was India's per capita GDP for 2023-24, as reported by the National Statistical Office?**

Ans

✗ A. ₹2,50,000

✗ B. ₹3,00,000

✗ C. ₹1,80,000

✓ D. ₹2,11,725

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Q.87 **Which of the following options is true about the Nyayadhikari appointed to Gram Nyayalayas?**

Ans

✔ A. The Nyayadhikari must be a judicial officer with the same salary and powers as a First Class Magistrate.

✘ B. The Nyayadhikari is only responsible for administrative functions, not judicial work.

✘ C. The Nyayadhikari is appointed only from retired government officers.

✘ D. The Nyayadhikari can be appointed from any field, including administrative services.

Q.88 **Who is the Chief Executive Officer of the Union Territory of Delhi?**

Ans

✔ A. The President of India

✘ B. The Chief Minister

✘ C. The Lieutenant Governor

✘ D. The Prime Minister

Q.89 **What was a significant limitation of the Indian financial system before the enactment of the Banking Companies Act, of 1949?**

Ans

✘ A. The Companies Act of 1913 required high cash reserves for banks, limiting their growth.

✘ B. 2. Cooperative banks were banned in rural areas until the late 20th century.

✔ C. There was no comprehensive statutory regulation for commercial banks in India.

✘ D. The Reserve Bank of India did not have the authority to control monetary policy.

Q.90 **Published in January 2024, the book 'Ek Samandar, Mere Andar' was written by _____, who also worked as the Deputy CEO at Brahmos Aerospace.**

Ans

✘ A. Ashok K Banker

✘ B. Chandrabhan 'Rahi'

✘ C. Atul Dinkar Rane

✔ D. Sanjeev Kumar Joshi

Q.91 **Which radiation is emitted when a stream of accelerating electrons strikes a metal target?**

Ans

✘ A. γ-ray

✘ B. α-ray

✘ C. Cathode ray

✔ D. X-ray

Q.92 **What are the names of the three supercomputers developed under the National Supercomputing Mission, and inaugurated by PM Modi, in September 2024?**

Ans

✘ A. PARAM Ananta

✘ B. PARAM Shivay

✔ C. PARAM Rudra

✘ D. PARAM Pravega

Q.93 **By how much did ICICI Bank's net profit rise in Q3 2024 compared to the previous year?**

Ans

✘ A. 22%

✔ B. 23.6 %

✘ C. 26%

✘ D. 18%

Q.94 **Padma Shri (2019) Sirivennela Seetharama Sastry is a renowned lyricist from ____.**

Ans

✘ A. Kerala

✔ B. Telangana

✘ C. Tamil Nadu

✘ D. Maharashtra

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Q.95 **Which of the following statements best describes isomerism in chemistry?**

Ans

✗ A. The phenomenon where different elements have the same number of protons

✗ B. The formation of compounds with identical chemical properties but different chemical formulas

✓ C. The occurrence of compounds with the same molecular formula but different chemical properties

✗ D. The process by which a compound changes its state of matter

Q.96 **Which of the following languages was/were used in proclamations calling people to join the 1857 Revolt?**

Ans

✗ A. English

✗ B. Sanskrit

✓ C. Hindi, Urdu and Persian

✗ D. Arabic and Hindi

Q.97 **Who was the official democratic candidate for the US presidential elections, 2024?**

Ans

✗ A. Joe Biden

✓ B. Kamala Harris

✗ C. Donald Trump

✗ D. Hillary Clinton

Q.98 **The combination of alleles at specific gene locations on an organism's chromosomes, representing its genetic constitution, is known as _____.**

Ans

✗ A. phenotype

✓ B. genotype

✗ C. DNA

✗ D. double helix

Q.99 **What event in April 2024 highlighted the deficiencies in Kotak Mahindra Bank's IT infrastructure?**

Ans

✗ A. A failure to meet loan disbursement targets

✗ B. A security breach of customer data

✓ C. A service disruption in the bank's Core Banking System

✗ D. A decline in customer deposits

Q.100 **In August 2024, the bilateral air exercise 'Udara Shakti 2024' was conducted between the Indian Air Force (IAF) and the Royal Air Force of which country?**

Ans

✓ A. Malaysia

✗ B. Canada

✗ C. France

✗ D. Japan

Q.101 **In which year was the 42nd Amendment in the Indian Constitution passed?**

Ans

✗ A. 1980

✗ B. 1978

✓ C. 1976

✗ D. 1974

Q.102 **The fertile alluvial soils of the Great Indian Plains are mostly suited for the cultivation of:**

Ans

✗ A. cotton and tobacco

✗ B. pulses and oilseeds

✗ C. coffee and tea

✓ D. rice and wheat

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Q.103 Harmonium is a _____ instrument made of wood, metal, brass and cloth.

Ans

✗ A. wind

✗ B. electronic

✗ C. percussion

✓ D. string

Q.104 The government extended 'Samarth' (Capacity Building Scheme in Textile Sector) by ____ in October 2024.

Ans

✗ A. three years

✓ B. two years

✗ C. five years

✗ D. six years

Q.105 What is the expected trend in credit growth for Banks and NBFCs in FY25, according to the ICRA report released on 24 October 2024?

Ans

✓ A. A steady slowdown

✗ B. A sharp increase

✗ C. No change

✗ D. A sharp decline

Q.106 Infrastructure primarily refers to which of the following?

Ans

✗ A. Only government buildings

✓ B. Facilities and systems necessary for economic activities

✗ C. Educational degrees

✗ D. Cultural events

Q.107 What was a major criticism of the agricultural strategy adopted during India's "Green Revolution"?

Ans

✗ A. It focused on non-irrigated regions.

✓ B. It primarily benefited large landowners, increasing economic disparities.

✗ C. It benefited all farmers equally.

✗ D. It solved micronutrient deficiencies among the poor.

Q.108 Which of the following is a recognised tribe of the state of Himachal Pradesh?

Ans

✓ A. Gaddi

✗ B. Chenchu

✗ C. Bhil

✗ D. Birhore

Q.109 In the Community Development Programme by the Government of India, _____ were identified as the development unit and an infrastructure of technical and administrative staff provided to implement development programmes in different sectors.

Ans

✗ A. individuals

✓ B. a block of villages

✗ C. villages

✗ D. districts

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Q.110 Which of the following statements is/are correct in the context of Vedic Brahamans?

I. Aitareya Brahmana was associated with Rigveda.
II. Panchavimsha Brahmana was associated with Samveda.

Ans
- ✗ A. Only I
- ✓ B. Both I and II
- ✗ C. Neither I nor II
- ✗ D. Only II

Q.111 The Moderate leaders demanded simultaneous ICS examinations in _____.

Ans
- ✗ A. India and United States of America
- ✗ B. India and Australia
- ✗ C. India and Canada
- ✓ D. India and England

Q.112 Athletes of which of the following disciplines were inducted into the Khelo India Scheme in India in October 2024?

Ans
- ✗ A. Cricket
- ✓ B. Judo
- ✗ C. Wrestling
- ✗ D. Boxing

Q.113 Who was the painter of the 1859 painting 'Relief of Lucknow'?

Ans
- ✗ A. Colin Campbell
- ✗ B. James Outram Park
- ✗ C. Joseph Noel Paton
- ✓ D. Thomas Jones Barker

Q.114 Where was the Battle of Chinhat in 1857 fought?

Ans
- ✗ A. Near Rawalpindi
- ✗ B. Near Satara
- ✗ C. Near Kolkata
- ✓ D. Near Lucknow

Q.115 The Prime Minister of India is the Chairman of which of the following Constitutional bodies?

Ans
- ✗ A. Union Public Service Commission
- ✗ B. Comptroller and Auditor General
- ✓ C. Inter-State Council
- ✗ D. Election Commission of India

Q.116 With reference to the climate of India, the 'Mango Showers' phenomenon is associated with which states of India?

Ans
- ✗ A. Maharashtra and Gujarat
- ✗ B. West Bengal and Odisha
- ✗ C. Bihar and Jharkhand
- ✓ D. Kerala and Karnataka

Q.117 According to the Indian Constitution, who can remove the members of the State Public Service Commission?

Ans
- ✗ A. The Chairman of the Union Public Service Commission
- ✗ B. The Chief Minister of the concerned state
- ✓ C. The President of India
- ✗ D. The Governor

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Q.118 **From which site of the Indus Valley Civilisation was the 'Dancing Girl', a bronze figurine, found?**

Ans

✔ A. Mohenjo-daro

✘ B. Harappa

✘ C. Rakhigarhi

✘ D. Lothal

Q.119 **To increase the force between two charges from 25 N to 100 N, one should:**

Ans

✘ A. reduce the distance between the charges by one-fourth

✘ B. increase the distance between the charges twofold

✘ C. increase the distance between the charges fourfold

✔ D. reduce the distance between the charges by half

Q.120 **The Great Indian Plains are primarily formed by which river system?**

Ans

✘ A. Kaveri-Periyar

✘ B. Krishna-Godavari

✔ C. Indus-Ganga-Brahmaputra

✘ D. Mahanadi-Narmada-Tapi

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	09/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **Nitin can do a piece of work in 7 hours. Pravin can do it in 42 hours. With the assistance of Rishi, they completed the work in 3 hours. In how many hours can Rishi alone do it?**

Ans
- ✗ A. 8
- ✓ B. 6
- ✗ C. 5
- ✗ D. 7

Q.2 **In what ratio must a seller mix two varieties of teas costing ₹80 and ₹120 per kg respectively so as to get a mixture worth ₹100 per kg?**

Ans
- ✗ A. 1 : 2
- ✗ B. 2 : 1
- ✓ C. 1 : 1
- ✗ D. 3 : 5

Q.3 **The value of** $\frac{3.6\times0.48\times2.50}{0.12\times0.09\times0.5}$ **is ____.**

Ans
- ✓ A. 800
- ✗ B. 400
- ✗ C. 200
- ✗ D. 600

Q.4 **Two solid cubes each of volume 8,000 cm^3 are joined end to end. Find the cost of paint the resulting cuboid all around at the rate of ₹25 per 100 cm^2.**

Ans
- ✓ A. ₹1,000
- ✗ B. ₹1,140
- ✗ C. ₹1,100
- ✗ D. ₹1,060

Q.5 **In covering a distance of 126 km, Anirudh takes 5 hours more than Burhan. If Anirudh doubles his speed, then he would take 4 hour less than Burhan. Anirudh's speed is:**

Ans
- ✗ A. 15 km/h
- ✗ B. 2 km/h
- ✗ C. 5 km/h
- ✓ D. 7 km/h

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Q.6 **Pinki can craft a designer pot in 900 minutes while Sneha can do the same work in 20 hours. If they work together, the craft work can be completed in:**

Ans

✗ A. exactly 9 hours

✗ B. exactly 8 hours

✓ C. between 8 hours and 9 hours

✗ D. more than 9 hours

Q.7 **2 men can complete a piece of work in 18 days while 6 women can do it in 6 days. In how many days can 3 women and 6 men complete it?**

Ans

✓ A. 4 days

✗ B. 6 days

✗ C. 8 days

✗ D. 1 day

Q.8 **The marked price of a mobile phone was ₹18,500. A man bought the same for ₹13,000 after getting two successive discounts, the first at 24%. What was the second discount rate (correct to two places of decimals)?**

Ans

✗ A. 6.25%

✓ B. 7.54%

✗ C. 9.25%

✗ D. 8.36%

Q.9 **If 27 : y :: y : 75, find the positive value of y.**

Ans

✓ A. 45

✗ B. 40

✗ C. 53

✗ D. 49

Q.10 **A sum, when invested at 10% simple interest per annum, amounts to ₹5040 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?**

Ans

✗ A. 420

✓ B. 840

✗ C. 3360

✗ D. 1680

Q.11 **The HCF and LCM of two natural numbers are 12 and 72, respectively. What is the average of the two numbers if one of the numbers is 24?**

Ans

✗ A. 36

✗ B. 60

✗ C. 12

✓ D. 30

Q.12 **The average of first 121 even numbers is**

Ans

✓ A. 122

✗ B. 122.5

✗ C. 123

✗ D. 121.5

Q.13 **If 40% of k is 10 less than 2400% of 15, then k is:**

Ans

✗ A. 915

✗ B. 855

✗ C. 835

✓ D. 875

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Q.14 **Simplify the expression:** $(0.3)^3 + (0.6)^3 + (0.7)^3 - (3 \times 0.2 \times 0.4 \times 0.6)$

Ans

✗ A. 0

✓ B. 0.442

✗ C. 0.490

✗ D. 0.333

Q.15 **An Uber bike covers a distance of 644 km in 23 hours. What is its speed in km/h?**

Ans

✗ A. 24

✗ B. 37

✗ C. 29

✓ D. 28

Q.16 **The sum of 8 numbers is 720. Find their average.**

Ans

✗ A. 91

✓ B. 90

✗ C. 88

✗ D. 89

Q.17 **On dividing 346024 by a certain number, the quotient is 2435 and the remainder is 254. Find the divisor.**

Ans

✗ A. 152

✗ B. 132

✓ C. 142

✗ D. 122

Q.18 **Find the value of** $\left(\frac{1}{4}\right)^{-4} + \left(\frac{1}{8}\right)^{-4} + \left(\frac{1}{5}\right)^{-4}$.

Ans

✗ A. 4974

✓ B. 4977

✗ C. 4987

✗ D. 4973

Q.19 **The price of an article was increased by x%. Later the new price was decreased by x%. If the latest price was ₹1, then what was the original price of the article?**

Ans

✗ A. $\frac{(1-x)}{100}$

✗ B. $\frac{\sqrt{(1-x)}}{10}$

✗ C. ₹100

✓ D. $\frac{10000}{(100-x)(100+x)}$

Q.20 **By selling an article for ₹115, a man loses 45%. At what price (in ₹) should he sell it to gain 32%?**

Ans

✗ A. 296

✗ B. 286

✗ C. 266

✓ D. 276

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Q.21 When an item is sold for if ₹3,510, it earns 17% profit on the cost price. The cost price is ____.

Ans

✗ A. ₹596

✗ B. ₹2,914

✗ C. ₹1,500

✓ D. ₹3,000

Q.22 If you give ₹4,000 to your friend for 2 years at an interest rate of 5%, compounded annually. How much money (in ₹) will your friend return after 2 years?

Ans

✗ A. 44,410

✓ B. 4,410

✗ C. 8,820

✗ D. 441

Q.23 The value of

$$\sqrt{144} + \sqrt{0.0361} - \sqrt{5.29} =$$

Ans

✗ A. 6.82

✓ B. 9.89

✗ C. 15.51

✗ D. 6.96

Q.24 A girl goes to school at a speed of 10 km/hr. She comes back with a speed of 15 km/hr. Find her average speed for the whole journey.

Ans

✗ A. 16 km/h

✗ B. 14 km/h

✗ C. 3 km/h

✓ D. 12 km/h

Q.25 The ages of Himani and Pushpraj are in the ratio of 9 : 5 respectively. After 5 years the ratio of their ages will be 7 : 4. What is the difference in their present ages?

Ans

✗ A. 68

✓ B. 60

✗ C. 47

✗ D. 48

Q.26 In what ratio should sugar costing ₹71 per kg be mixed with sugar costing ₹22 per kg so that by selling the mixture at ₹41.6 per kg, there is a profit of 30%?

Ans

✗ A. 12 : 41

✗ B. 12 : 37

✗ C. 11 : 37

✓ D. 10 : 39

Q.27 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 127. Find the average of the remaining two numbers?

Ans

✗ A. 206

✗ B. 205

✓ C. 186

✗ D. 187

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Q.28 The volume (in cm^3) of a wire of diameter 10 cm and length 28 m is:

$take\ \pi = \frac{22}{7}$

Ans

✗ A. 220100

✗ B. 220500

✗ C. 221000

✓ D. 220000

Q.29 A 320 m long train crosses a man walking at a speed of 9.4 km/h in the opposite direction in 24 seconds. What is the speed (in km/h) of the train ?

Ans

✓ A. 38.6

✗ B. 34.4

✗ C. 36.3

✗ D. 43.9

Q.30 The monthly incomes of two friends Mahesh and David, are in the ratio 5 : 7 respectively and each of them saves ₹75000 every month. If the ratio of their monthly expenditure is 2 : 3, find the monthly income of Mahesh(in ₹).

Ans

✗ A. 374000

✗ B. 525000

✗ C. 376000

✓ D. 375000

Q.31 A refrigerator is marked at ₹18,000. A store offers a discount of 30% on the marked price. If a customer uses a voucher for an additional ₹1,000 off after the discount, what is the final price?

Ans

✗ A. ₹14,000

✗ B. ₹13,000

✓ C. ₹11,600

✗ D. ₹12,600

Q.32 Radhika invested a sum of money at a compound interest of 40% per annum compounding half-yearly for 18 months. If the amount received by Radhika at the end of 18 months is ₹51,840, then what was the sum of money (in ₹) invested by Radhika?

Ans

✗ A. 29,500

✓ B. 30,000

✗ C. 29,000

✗ D. 30,500

Q.33 Ramu's field is in the shape of a trapezoid. If the lengths of its parallel sides are 534 metres and 712 metres, and the distance between the parallel sides is 310 metres, then what is the area (in m^2) of Ramu's field?

Ans

✗ A. 1,03,139

✗ B. 1,30,193

✓ C. 1,93,130

✗ D. 1,91,330

Q.34 What is the smallest number that when decreased by 9 is divisible by 24, 33, 42 and 56?

Ans

✗ A. 1,875

✗ B. 1,758

✗ C. 1,785

✓ D. 1,857

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Q.35 **Evaluate: 41 - [21 - {11 - (15 - 8 ÷ 2 × 3)}]**

Ans

✔ A. 28

✘ B. 30

✘ C. 23

✘ D. 25

Section : **General Intelligence and Reasoning**

Q.36 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All trunks are peanuts.
Some grains are trunks.
No crows are trunks.

Conclusions:
(I) Some grains are not crows.
(II) Some peanuts are not grains.

Ans

✘ A. Only conclusion (II) follows.

✔ B. Only conclusion (I) follows.

✘ C. Both conclusions (I) and (II) follow.

✘ D. Neither conclusion (I) nor (II) follows.

Q.37 **What should come in place of the question mark (?) in the given series?**

7 12 25 41 65 92 ?

Ans

✔ A. 127

✘ B. 172

✘ C. 122

✘ D. 142

Q.38 **Each of the digits in the number 2846359 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?**

Ans

✘ A. Four

✔ B. Three

✘ C. Two

✘ D. One

Q.39 **What should come in place of the question mark (?) in the given series?**

23, 34, 56, 89, 133, ?

Ans

✘ A. 184

✔ B. 188

✘ C. 186

✘ D. 182

Q.40 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3842675, how many digits will appear more than once in the new number thus formed?**

Ans

✘ A. Three

✘ B. None

✔ C. Two

✘ D. One

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Q.41 **Which of the following terms will replace the question mark (?) in the given series to make it logically complete?**

KLR −1 MKT −6 OJV −15 QIX −26 ?

Ans

✔ A. SHZ −39

✘ B. SHA −37

✘ C. SUZ −37

✘ D. SIY −39

Q.42 **Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. D sits third from the left end of the row. Only two people sit to the right of B. A is the immediate neighbour of G and B. F sits to the immediate right of E.**
How many people sit to the right of C?

Ans

✔ A. Three

✘ B. Four

✘ C. Five

✘ D. Two

Q.43 **P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only one person sits between U and Q when counted from the right of U. Only one person sits between Q and T. Only one person sits between U and V. Only two people sit between P and T. Only one person sits between S and V. How many people sit between U and S when counted from the left of S?**

Ans

✘ A. 3

✔ B. 2

✘ C. 4

✘ D. 1

Q.44 **In a certain code language, 'WCIM' is coded as '5-25-19-15' and 'PSBQ' is coded as '12-9-26-11'. What is the code for 'ELZT' in the given code language?**

Ans

✘ A. 24-18-4-9

✔ B. 23-16-2-8

✘ C. 22-15-1-7

✘ D. 21-14-3-6

Q.45 **Ayush starts from Point A and drives 8 km towards the west. He then takes a right turn, drives 7 km, turns right and drives 12 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✘ A. 2 km to the south

✔ B. 2 km to the north

✘ C. 3 km to the north

✘ D. 3 km to the south

Q.46 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

BGLQ HMRW NSXC TYDI ?

Ans

✔ A. ZEJO

✘ B. ZOEJ

✘ C. ZOJE

✘ D. ZEOJ

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Q.47 **In a certain code language,**
A * B means 'A is the wife of B'
A > B means 'A is the brother of B'
A ; B means 'A is the father of B'
A - B means ' A is the sister of B'

Based on the above, how is R related to T if 'R ; O - H > I * T'?

Ans
- ✗ A. Wife's sister
- ✗ B. Wife's mother
- ✓ C. Wife's father
- ✗ D. Wife's daughter

Q.48 **In a certain code language, 'let us play' is coded as 'ke ro gi', 'let me go' is coded as 'ma lu ke' and 'play with me' is coded as 'ho gi lu'. How is 'go' coded in the given language?**

Ans
- ✗ A. ma
- ✓ B. lu
- ✗ C. ke
- ✗ D. gi

Q.49 **Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.**

(Left) 5 3 1 4 8 7 5 8 4 1 2 7 6 4 7 2 3 5 9 2 5 4 1 9 7 3 6 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans
- ✓ A. Three
- ✗ B. One
- ✗ C. Two
- ✗ D. More than three

Q.50 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) @ * $ 3 8 9 % + 7 > 6 # < % % ? 6 2 $ / 6 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

Ans
- ✗ A. Three
- ✗ B. One
- ✓ C. Two
- ✗ D. Four

Q.51 **Each of the digits in the number 9362145 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the number thus formed?**

Ans
- ✗ A. 10
- ✗ B. 8
- ✓ C. 7
- ✗ D. 12

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Q.52 **In three of the following four number pairs, the numbers are related in the same way and thus form a group. Which number pair DOES NOT belong to that group?**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans
- ✗ A. 8 : 512
- ✗ B. 10 :1000
- ✓ C. 6 : 212
- ✗ D. 4 : 64

Q.53 **Refer to the following series and answer the question (all numbers are single digit numbers only).**

(Left) 1 9 9 2 7 6 3 3 8 2 9 4 8 4 1 8 5 2 5 6 2 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

Ans
- ✗ A. Four
- ✓ B. One
- ✗ C. Two
- ✗ D. Three

Q.54 **In a certain code language, 'widely spread disease' is coded as 'kt nv bp' and 'pandemic disease outbreak' is coded as 'th po nv'. How is 'disease' coded in the given language?**

Ans
- ✗ A. kt
- ✗ B. bp
- ✓ C. nv
- ✗ D. th

Q.55 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

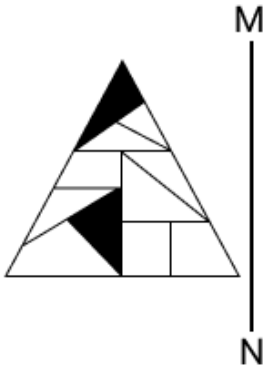
KPY : LQZ
WHR : XIS

Ans
- ✗ A. GMT : FLS
- ✗ B. SWB : TYD
- ✗ C. GKD : IMF
- ✓ D. ATO : BUP

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Q.56

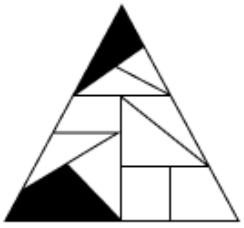


Ans

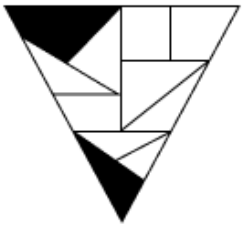
✔ A.



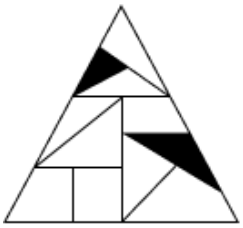
✘ B.



✘ C.



✘ D.



Q.57 **GLRQ is related to CHNM in a certain way based on the English alphabetical order. In the same way, JPTX is related to FLPT. To which of the given options is WMKG related, following the same logic?**

Ans

✘ A. VLJF

✘ B. UKIE

✔ C. SIGC

✘ D. KGWM

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Q.58 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. NSX

✗ B. INS

✓ C. LOV

✗ D. GLQ

Q.59 **Seven colleagues B, C, E, F, I, J, and M are sitting around a circular table facing the centre. C sits second to the left of B and B sits to the immediate left of F. Only two persons sit between F and J. E is the immediate neighbour of I and F. Who are the immediate neighbours of M?**

Ans

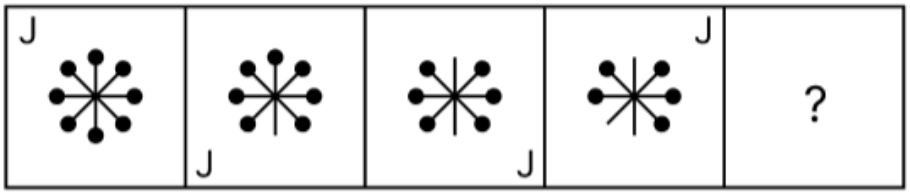
✗ A. C and E

✓ B. C and B

✗ C. C and J

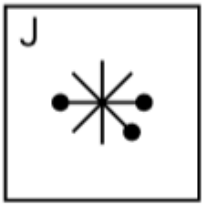
✗ D. B and E

Q.60

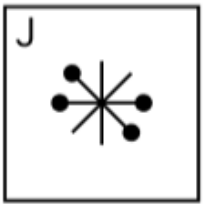


Ans

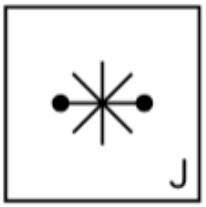
✗ A.



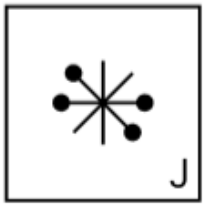
✓ B.



✗ C.



✗ D.



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Q.61 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
All mugs are pots.
All containers are pots.

Conclusions:
(I) Some mugs are containers.
(II) Some pots are containers.

Ans
✗ A. Both conclusions (I) and (II) follow.
✓ B. Only conclusion (II) follows.
✗ C. Only conclusion (I) follows.
✗ D. Neither conclusion (I) nor (II) follows.

Q.62 **Alex starts from Point A and drives 9 km towards East. He then takes a left turn, drives 5 km, turns left and drives 11 km. He then takes a left turn and drives 7 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans
✗ A. 3 km to the North
✗ B. 3 km to the South
✓ C. 2 km to the North
✗ D. 2 km to the South

Q.63 **In a certain code language,**
A + B means 'A is the mother of B',
A − B means 'A is the brother of B',
A × B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

How is R related to P if 'Q + R × S ÷ T × P'?

Ans
✗ A. Father's mother
✗ B. Mother's mother
✓ C. Wife's mother
✗ D. Mother

Q.64 **Each of E, M, P, L, O, Y and S has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only one person has exam after L. Only one person has exam between O and L. M has exam immediately before P. Y has exam on one of the days after S. E has exam immediately after P. How many people have exam between Y and E?**

Ans
✗ A. One
✗ B. Two
✗ C. Zero
✓ D. Three

Q.65 **Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the same order. Only two boxes are kept between E and J. Only I is kept above K. No box is kept below J. D is kept at some place below H but at some place above F. Which box is kept third above F?**

Ans
✗ A. F
✗ B. E
✗ C. D
✓ D. H

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Q.66 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some bats are shoes.
All shoes are gloves.
Some gloves are helmets.

Conclusions:
(I) All helmets are shoes.
(II) All gloves are bats.

Ans
✗ A. Only conclusion (I) follows.
✓ B. Neither conclusion (I) nor (II) follows.
✗ C. Both conclusions (I) and (II) follow.
✗ D. Only conclusion (II) follows.

Q.67 **What should come in place of the question mark (?) in the given series?**

77 93 113 139 173 ?

Ans
✗ A. 229
✗ B. 237
✗ C. 209
✓ D. 217

Q.68 **Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.**

NT-PV-RU
LR-NT-PS

Ans
✗ A. IP-LS-NO
✗ B. IP-LR-NO
✗ C. JP-LR-NO
✓ D. JP-LR-NQ

Q.69 **Select the term from among the given options that can replace the question mark (?) in the following series.**
LSF2, JPJ9, HMN18, FJR29, ?

Ans
✗ A. DHW42
✗ B. EGU40
✓ C. DGV42
✗ D. EHW40

Q.70 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
✗ A. GBF
✗ B. NIM
✓ C. KFI
✗ D. FAE

Section : **General Awareness**

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Q.71 **With respect to Directive Principles of State Policy under the Indian Constitution, the organiastion of village panchayat is a/an:**

Ans
- ✔ A. Gandhian Principle
- ✘ B. Socialist Principle
- ✘ C. Neo-liberal Principle
- ✘ D. Intellectual Principle

Q.72 **How many states in India had a bicameral legislature as of 2022?**

Ans
- ✘ A. 10
- ✘ B. 14
- ✔ C. 6
- ✘ D. 5

Q.73 **In October 2024, Surinder Singh Choudhary was appointed Deputy Chief Minister of which State/UT?**

Ans
- ✘ A. Haryana
- ✘ B. Lakshadweep
- ✔ C. Jammu and Kashmir
- ✘ D. Delhi

Q.74 **Which river forms an estuary before merging into the Arabian Sea?**

Ans
- ✘ A. Mahanadi
- ✘ B. Ganga
- ✔ C. Narmada
- ✘ D. Godavari

Q.75 **Researchers of which of the following Indian Institutes of Technology (IIT) have developed a nano-sensor to swiftly detect Cytokines, crucial proteins in disease progression, in April 2024?**

Ans
- ✘ A. IIT Hyderabad
- ✘ B. IIT Kharagpur
- ✘ C. IIT Madras
- ✔ D. IIT Jodhpur

Q.76 **Which of the following cities was NOT included in the July 2024 round of the Reserve Bank of India's Consumer Confidence Survey?**

Ans
- ✔ A. Kochi
- ✘ B. Mumbai
- ✘ C. Lucknow
- ✘ D. Ranchi

Q.77 **In which year was Radio broadcasting started in India by the Radio Club of Bombay?**

Ans
- ✘ A. 1929
- ✘ B. 1952
- ✘ C. 1947
- ✔ D. 1923

Q.78 **Newborns receive the BCG vaccine at birth. BCG stands for ____.**

Ans
- ✔ A. Bacillus Calmette-Guerin
- ✘ B. Basal Cell Carcinoma
- ✘ C. Bacterial Capsular Genes
- ✘ D. Bladder Cancer Gene

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Q.79 **India's first solar mission, Aditya-L1, completed its first halo orbit around the Sun-Earth L1 point on _____ .**

Ans

✗ A. 22 July 2024

✗ B. 23 July 2024

✗ C. 12 July 2024

✓ D. 2 July 2024

Q.80 **Military Exercise SHAKTI was conducted between India and _____ in 2024.**

Ans

✗ A. Germany

✗ B. Kazakhstan

✗ C. Japan

✓ D. France

Q.81 **In July 2024, Asia's first health research-related 'Pre-clinical Network Facility' under the Coalition of Epidemic Preparedness Innovations (CEPI) was inaugurated in which city?**

Ans

✓ A. Faridabad

✗ B. Patiala

✗ C. Bengaluru

✗ D. Pune

Q.82 **The men's hockey team received a cash prize of what amount for each player from Hockey India after winning bronze medal in 2024 Olympics?**

Ans

✗ A. ₹5 lakh

✓ B. ₹15 lakh

✗ C. ₹20 lakh

✗ D. ₹7.5 lakh

Q.83 **The British police attacked Lala Lajpat Rai during a peaceful demonstration against the _____ in 1928.**

Ans

✗ A. Hindu casteism

✓ B. Simon Commission

✗ C. unjust taxes during famine

✗ D. British salt monopoly

Q.84 **The book 'Sutta Pitaka' contains the words of which religious preacher?**

Ans

✓ A. Buddha

✗ B. Guru Nanak Dev

✗ C. Mahavira

✗ D. Surdas

Q.85 **Which of the following legislative acts led to the establishment of Fast Track Special Court (FTSCs) in India?**

Ans

✗ A. The Protection of Children from Sexual Offences Act, 2012

✗ B. Indian Penal Code (IPC) of 1860

✗ C. Juvenile Justice (Care and Protection of Children) Act, 2015

✓ D. The Criminal Law (Amendment) Act, 2018

Q.86 **Which sector was most neglected during British rule in India?**

Ans

✗ A. Primary sector

✗ B. Infrastructure sector

✓ C. Industrial sector

✗ D. Secondary sector

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Q.87 **Which of the following was the most significant development after the revolt of 1857?**

Ans

✗ A. Indians started reorganising themselves for another armed revolt.

✗ B. Indian people dropped the idea of liberating themselves.

✓ C. Indian people formed associations, societies, and organisations which led to the formation of Indian National Congress.

✗ D. Indian people formed close relationship with the British empire.

Q.88 **Actor-politician Pawan Kalyan, who was appointed as the Deputy Chief Minister of Andhra Pradesh in June 2024, belongs to which political party?**

Ans

✗ A. Telugu Desam Party

✓ B. Jana Sena Party

✗ C. Communist Party of India (M)

✗ D. YSR Congress Party

Q.89 **Area under constant velocity – time curve equals _____ of the object over a given time interval.**

Ans

✗ A. final velocity

✗ B. acceleration

✓ C. displacement

✗ D. momentum

Q.90 **General Service Enlistment Act was passed in which of the following years?**

Ans

✗ A. 1852 AD

✓ B. 1856 AD

✗ C. 1854 AD

✗ D. 1857 AD

Q.91 **Which of the following Acts had changed the designation of Governor General to Viceroy?**

Ans

✓ A. Government of India Act, 1858

✗ B. India Regulating Act, 1773

✗ C. Government of India Act, 1833

✗ D. Indian Council Act, 1861

Q.92 **In addition to Awadh, which of the following were the other territories annexed by the British under various pretexts?**

Ans

✗ A. Bengal and Punjab

✗ B. Assam and Nagaland

✗ C. Mysore and Hyderabad

✓ D. Jhansi and Satara

Q.93 **From which site of the Indus Valley Civilisation was a design on a pot which seems to tell the story of the thirsty crow, who finds a clever way to drink water at the bottom of the pot, found?**

Ans

✗ A. Mohenjo-daro

✗ B. Rakhigarhi

✗ C. Harappa

✓ D. Lothal

Q.94 **The National Commission for Scheduled Castes is constituted under which Article?**

Ans

✓ A. Article 338

✗ B. Article 348 A

✗ C. Article 349

✗ D. Article 338 B

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Q.95 **Which of the following cities emerged as the electronic capital of India?**

Ans

✗ A. Tiruchirappalli

✗ B. Goa

✗ C. Gurugram

✓ D. Bengaluru

Q.96 **Which is the longest tributary of the river Ganga?**

Ans

✗ A. Gandak

✗ B. Kosi

✗ C. Ghaghara

✓ D. Yamuna

Q.97 **Which of the following are the Northernmost and Southernmost ranges of Himalayas, respectively?**

Ans

✗ A. Middle Himalaya and Shiwalik

✗ B. Shiwalik and Great Himalaya

✗ C. Himadri Himalaya and Middle Himalaya

✓ D. Great Himalaya and Shiwalik

Q.98 **Spawo is the folk dance of _____.**

Ans

✗ A. Assam

✓ B. Ladakh

✗ C. Puducherry

✗ D. Maharashtra

Q.99 **Which pass is used to access Leh from Manali?**

Ans

✗ A. Karakoram Pass

✗ B. Zoji La

✓ C. Baralacha La

✗ D. Nathu La

Q.100 **In June 2024, which country observed a series of anti-government and pro-democracy protests known as the quota reform movement?**

Ans

✗ A. Sri Lanka

✗ B. Nepal

✓ C. Bangladesh

✗ D. Pakistan

Q.101 **Under the British Colonial rule, what accounted for most of India's exports by the 1850s?**

Ans

✓ A. Raw materials like raw cotton, opium and indigo

✗ B. Spices and tea

✗ C. Processed goods like fine cotton and silk

✗ D. Manufactured goods

Q.102 **With respect to the National Green Tribunal (NGT), which of the following statements is correct regarding the NGT's jurisdiction and the role of high courts?**

Ans

✓ A. NGT is subordinate to the high courts in terms of territorial jurisdiction.

✗ B. NGT decisions are not subject to judicial review.

✗ C. NGT decisions can only be appealed to the Supreme Court, bypassing high courts entirely.

✗ D. NGT has exclusive jurisdiction, and high courts cannot hear cases related to the environment.

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Q.103 **Which of the following factors primarily contributed to the increase in headline inflation in June 2024, in India?**

Ans

✗ A. Increase in manufacturing costs

✓ B. Sharp increase in prices of vegetables, pulses, and edible oils

✗ C. Rise in service charges

✗ D. Increase in fuel prices

Q.104 **Name the classical language in which the ancient grammar book Tolkappiyam was written.**

Ans

✗ A. Sanskrit

✓ B. Tamil

✗ C. Prakrit

✗ D. Odia

Q.105 **Consider a copper cylinder at room temperature. What happens to the resistivity of a copper cylinder as its temperature increases?**

Ans

✗ A. Remains constant

✓ B. Increases

✗ C. First decreases and then increases

✗ D. Decreases

Q.106 **What major operation did authorities conduct in May regarding India's gold reserves?**

Ans

✗ A. Selling gold reserves on the London bullion market

✓ B. Bringing gold reserves back from the Bank of England

✗ C. Increasing gold deposit schemes domestically

✗ D. Transferring gold to the Bank for International Settlements

Q.107 **Which agricultural product(s) was India famous for exporting during the colonial period?**

Ans

✗ A. Coffee

✗ B. Wheat

✓ C. Spices

✗ D. Rice

Q.108 **Avani Lekhara, who created history in August 2024 by becoming the first Indian woman to win two gold medals at the Paralympics, belongs to which of the following disciplines?**

Ans

✗ A. Para powerlifting

✗ B. Para canoeing

✓ C. Para shooting

✗ D. Para swimming

Q.109 **How many kilometres of National Highway length were planned for development under Phase-I of Bharatmala Pariyojana, as per the Ministry of Road Transport and Highways?**

Ans

✗ A. 28,500 km

✓ B. 34,800 km

✗ C. 36,500 km

✗ D. 30,200 km

Q.110 **With regards to the Constitutional Amendment Bill, which of the following is correct?**

Ans

✓ A. It is mandatory to be passed in both houses of Parliament to become an Act.

✗ B. It is mandatory to be passed in Lok Sabha only to become an Act.

✗ C. It is mandatory to be passed in Rajya Sabha only to become an Act.

✗ D. It is mandatory to be passed in either house of Parliament to become an Act.

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Q.111 Which of the following is an antifertility drug synthesised from estrogen derivative that is used in combination with progesterone derivative?

Ans

✔ A. Novestrol

✘ B. Soframicine

✘ C. Chloroxylenol

✘ D. Terpineol

Q.112 Within the nucleus of eukaryotic cells, which of the following structures contains the tightly coiled genetic material?

Ans

✔ A. Chromosomes

✘ B. Ribosomes

✘ C. Mitochondria

✘ D. Golgi Apparatus

Q.113 In which of the following Indian states is the Sardar Sarovar Dam built?

Ans

✔ A. Gujarat

✘ B. Assam

✘ C. Rajasthan

✘ D. Karnataka

Q.114 Which infrastructure project ongoing in 2024 aims to improve India's highways and logistics sector?

Ans

✘ A. Pradhan Mantri Awas Yojana

✘ B. Smart Cities Mission

✔ C. Bharatmala Pariyojana

✘ D. Swachh Bharat Mission

Q.115 Which country was India's largest trading partner in 2023-24?

Ans

✘ A. USA

✘ B. Germany

✔ C. China

✘ D. Japan

Q.116 Which of the following statements accurately describes the land revenue systems implemented by the British in India and their impact on agriculture?

Ans

✘ A. In the Mahalwari system, land was held by individual cultivators who had autonomy over their land management.

✘ B. The Ryotwari and Mahalwari systems covered 4% and 38% of the land, respectively, and provided some development for improving land fertility.

✘ C. The Zamindari system, covering the majority of land, provided incentives for cultivators to invest in their farms.

✔ D. The Zamindari system focused on high revenue collection by zamindars, leaving cultivators with little to reinvest in agriculture.

Q.117 The Jawahar Gram Samridhi Yojana and Employment Assurance Scheme were merged into _____ in 2001.

Ans

✔ A. Sampoorna Grameen Rozgar Yojana

✘ B. Swarna Jayanthi Swaraj Yojana

✘ C. MNREGA

✘ D. DWACRA

Q.118 In which of the following states is Gangaur festival celebrated by the women folk to please Goddess Parvati?

Ans

✘ A. Jharkhand

✘ B. Uttarakhand

✘ C. Gujarat

✔ D. Rajasthan

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Q.119 **On hearing about which of the following on 4 February 1922, did Mahatma Gandhi go on a five-day fast and suspend the Non-cooperation Movement?**

Ans

✗ A. Noakhali riots

✗ B. Jallianwala Bagh massacre

✗ C. Kakori conspiracy

✓ D. Chauri Chaura Incident

Q.120 **Which of the following statements is/are correct in the context of Harappan religious practices?**

I. Harappans used to worship female goddesses associated with fertility.
II. Harappans also worshipped male gods such as Pashupati.

Ans

✗ A. Only II

✓ B. Both I and II

✗ C. Only I

✗ D. Neither I nor II

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	10/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 119. Find the average of the remaining two numbers?**

Ans
- ✗ A. 197
- ✗ B. 191
- ✓ C. 190
- ✗ D. 198

Q.2 **A boat covers 4 km upstream and 15 km downstream in 7 hours, while it covers 16 km upstream and 35 km downstream in 23 hours. What is the speed of the current?**

Ans
- ✓ A. 2 km/hr
- ✗ B. 2.5 km/hr
- ✗ C. 1.5 km/hr
- ✗ D. 1 km/hr

Q.3 **The average of the marks of 14 students in a class is 65. If the marks of each student are doubled, find the new average?**

Ans
- ✗ A. 28
- ✗ B. 65
- ✓ C. 130
- ✗ D. 14

Q.4 **The greatest number that exactly divides 324, 1044 and 1548 is:**

Ans
- ✗ A. 39
- ✗ B. 33
- ✓ C. 36
- ✗ D. 28

Q.5 **An amount of ₹903 is divided among three persons in the ratio of 6 : 2 : 7. The difference between the largest and the smallest shares (in ₹) in the distribution is:**

Ans
- ✓ A. 301
- ✗ B. 249
- ✗ C. 367
- ✗ D. 341

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Q.6 **Find the least value of k so that the 8-digit number 198754k8 is divisible by 8.**

Ans

✗ A. 1

✓ B. 0

✗ C. 4

✗ D. 2

Q.7 **A solid rubber sphere weighs 40 kg when its diameter is 8 cm. Using the same material, a hollow sphere is made with an outer diameter of 16 cm and inner diameter of 12 cm. What is its weight?**

Ans

✓ A. 185 kg

✗ B. 120 kg

✗ C. 240 kg

✗ D. 80 kg

Q.8 **A television is marked at ₹50,000. The store offers a 25% discount and an additional 10% discount on the discounted price. After these discounts, the buyer has to pay 5% GST on the final price. What is the final amount paid by the buyer?**

Ans

✗ A. ₹35,000

✓ B. ₹35,437.50

✗ C. ₹36,400

✗ D. ₹37,600.50

Q.9 **A number when increased by 40 %', gives 3920. The number is:**

Ans

✗ A. 1400

✗ B. 8400

✗ C. 5600

✓ D. 2800

Q.10 **A number is increased by 30% and then decreased by 30%. Find the**

Ans

✗ A. 9% decrease

✓ B. 9% increase

✗ C. 10% increase

✗ D. 10% decrease

Q.11 **Diya borrowed a sum of ₹25,000 from Abha for two years. If the rate of interest is 8% compounded annually, find the amount that Diya has to pay back.**

Ans

✗ A. ₹27,610

✓ B. ₹29,160

✗ C. ₹26,910

✗ D. ₹28,360

Q.12 **A man buys an old scooter for ₹6,600 and spends ₹900 on its repairs. If he sells the scooter for ₹9,000, then what is his gain percentage?**

Ans

✗ A. 25%

✗ B. 18%

✓ C. 20%

✗ D. 21%

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Q.13 *The value of* $\left(\frac{64}{25}\right)^{-\left(\frac{3}{2}\right)} \times \left(\frac{2}{5}\right)^{6} \div \sqrt[4]{(16)^{-3}}$ *is:*

Ans
- ✗ A. $\frac{1}{121}$
- ✗ B. $\frac{1}{120}$
- ✓ C. $\frac{1}{125}$
- ✗ D. $\frac{1}{126}$

Q.14 **After 59 litres of petrol was poured into an empty storage tank, it was still 1% empty. How much petrol must be poured (in litres, rounded off to one decimal place) into the storage tank in order to fill it?**

Ans
- ✓ A. 59.6
- ✗ B. 60
- ✗ C. 58.6
- ✗ D. 60.6

Q.15 Simplify the following:

$1\frac{3}{5}+2\frac{8}{9}+3\frac{7}{5}+4\frac{6}{5}$

Ans
- ✓ A. $14\frac{4}{45}$
- ✗ B. $14\frac{1}{45}$
- ✗ C. $14\frac{2}{45}$
- ✗ D. $14\frac{3}{45}$

Q.16 **Find the value of** $\left(\frac{1}{3}\right)^{-4} + \left(\frac{1}{6}\right)^{-4} + \left(\frac{1}{8}\right)^{-4}$.

Ans
- ✓ A. 5473
- ✗ B. 5772
- ✗ C. 4769
- ✗ D. 4776

Q.17 Pipe P can fill $\frac{4}{7}$ part of a tank in 16 hours and pipe Q can fill $\frac{5}{7}$ part

Ans
- ✗ A. 28 hours
- ✗ B. 29 hours
- ✓ C. 11 hours
- ✗ D. 20 hours

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Q.18 How many seconds will a boy take to run one complete round around a square field of side 78 metres, if he runs at a speed of 13 km/h?

Ans
- ✔ A. 86.4
- ✘ B. 86
- ✘ C. 79
- ✘ D. 94

Q.19 A retailer buys an electronic item for ₹175. His overhead expenses are ₹25. He sells the electronic item for ₹400 and makes x%' profit. The value of x is:

Ans
- ✘ A. 90
- ✘ B. 120
- ✘ C. 80
- ✔ D. 100

Q.20 Three numbers are in the ratio of 2 : 5 : 7, and their least common multiple (LCM) is 1050. Determine their greatest common divisor (GCD).

Ans
- ✘ A. 12
- ✘ B. 18
- ✔ C. 15
- ✘ D. 24

Q.21 If 100 : y :: y : 36, find the positive value of y.

Ans
- ✘ A. 58
- ✘ B. 69
- ✘ C. 52
- ✔ D. 60

Q.22 The average of first 136 even numbers is

Ans
- ✔ A. 137
- ✘ B. 138
- ✘ C. 137.5
- ✘ D. 136.5

Q.23 The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 127. Find the average of the remaining two numbers?

Ans
- ✘ A. 203
- ✔ B. 189
- ✘ C. 202
- ✘ D. 190

Q.24 A sum, when invested at 10% simple interest per annum, amounts to ₹3120 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?

Ans
- ✘ A. 480
- ✔ B. 240
- ✘ C. 960
- ✘ D. 120

Q.25 In a race, an athlete covers a distance of 420 m in 70 sec in the first lap. He covers the second lap of the same length in 140 sec. What is the average speed (in m/sec) of the athlete?

Ans
- ✔ A. 4
- ✘ B. 8
- ✘ C. 2
- ✘ D. 1

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Q.26 Out of the fractions $\frac{9}{31}, \frac{3}{17}, \frac{6}{23}$ and $\frac{6}{11}$, which is the largest?

Ans

✔ A. $\frac{6}{11}$

✘ B. $\frac{6}{23}$

✘ C. $\frac{3}{17}$

✘ D. $\frac{9}{31}$

Q.27 **The perimeter of a regular hexagon is 138 cm. How long is each side?**

Ans

✔ A. 23 cm

✘ B. 27.5 cm

✘ C. 17.25 cm

✘ D. 11.5 cm

Q.28 **Find the surface area of a cube-shaped box having a side of 7 cm.**

Ans

✔ A. 1. 294 cm^2

✘ B. 2. 290 cm^2

✘ C. 3. 147 cm^2

✘ D. 4. 280 cm^2

Q.29 **A shopkeeper mixes two types of rice costing ₹385 per five kg and ₹540 per five kg in the ratio of 9 : 11. Find the net cost of resulting mixture per 2 kg.**

Ans

✔ A. ₹188.10

✘ B. ₹192.70

✘ C. ₹186.20

✘ D. ₹178.50

Q.30 **Three taps P, Q and R can together fill an empty cistern in 12 minutes. Tap P alone can fill the cistern in 36 minutes, and tap Q alone can fill it in 42 minutes. How long will tap R alone take to fill the cistern?**

Ans

✘ A. $29\frac{1}{3}$

✘ B. 30 minutes

✔ C. $31\frac{1}{2}$

✘ D. 28 minutes

Q.31 **Rizwan bought a kurta-pajama set for ₹1,116 from a new year sale offering 28% off on all the purchases. What was the marked price (in ₹) on the kurta-pajama set?**

Ans

✘ A. 1,500

✘ B. 1,525

✘ C. 1,575

✔ D. 1,550

Q.32 **Pipes A and B can fill an empty cistern in 72 minutes and 51 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 34 minutes?**

Ans

✘ A. 20 min

✘ B. 35 min

✘ C. 30 min

✔ D. 24 min

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Q.33 **Evaluate: 41 - [36 - {48 ÷ 2 - (6 - 12 ÷ 3) ÷ 2}]**

Ans

✗ A. 29

✗ B. 30

✓ C. 28

✗ D. 27

Q.34 **A bike goes 89 meters in a second. Find its speed in km/hr.**

Ans

✗ A. 315.9

✗ B. 329.6

✓ C. 320.4

✗ D. 327.6

Q.35 **An amount of ₹50,000 is invested at an annual interest rate of 4%, compounded half yearly. What will be the total amount after 2 years (round up to two decimal places)?**

Ans

✗ A. ₹52,121.61

✗ B. ₹55,000

✓ C. ₹54,121.61

✗ D. ₹53,120

Section : **General Intelligence and Reasoning**

Q.36 **In a certain code language,**
A@ B means 'A is the sister of B',
A & B means 'A is the brother of B',
A + B means 'A is the wife of B',
A # B means 'A is the father of B'.

Based on the above, how is S related to T if 'S # D @ R & Y + T'?

Ans

✗ A. Father

✓ B. Wife's father

✗ C. Wife's brother

✗ D. Brother

Q.37 **What should come in place of the question mark (?) in the given series?**

17 32 62 107 167 ?

Ans

✗ A. 275

✗ B. 257

✓ C. 242

✗ D. 224

Q.38 **Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.**

FM-HO-JL
HO-JQ-LN

Ans

✗ A. KS-NU-PQ

✗ B. LS-NU-PS

✗ C. KS-NV-PQ

✓ D. LS-NU-PR

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Q.39 In a given number 82617543, if 1 is added to each even digit and 1 is subtracted from each odd digit, what will be the sum of all the odd digits in the new number thus formed?

Ans

✗ A. 16

✗ B. 19

✓ C. 24

✗ D. 12

Q.40 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

JKL3, KJM4, LIN5, MHO6, ?

Ans

✓ A. NGP7

✗ B. PNG7

✗ C. NPG7

✗ D. N7GP

Q.41 Six people E, F, G, X, Y, and Z are sitting in a row facing north. Only two persons sit to the right of Y. Z sits third to the left of Y. Only one person sits between X and Z. E sits to the immediate left of G. How many people sit between F and E?

Ans

✗ A. One

✗ B. Four

✓ C. Two

✗ D. Three

Q.42 A, B, C, D, and E are sitting around a circular table facing the centre. D sits third right to A. A is not an immediate neighbour of B. C is the immediate left neighbour of B. How many people sit between A and E when counted from the right of A?

Ans

✓ A. Three

✗ B. Zero

✗ C. One

✗ D. Four

Q.43 Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 6 1 7 3 8 9 1 5 2 3 7 5 4 6 8 4 5 3 7 9 2 4 1 5 4 7 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✗ A. One

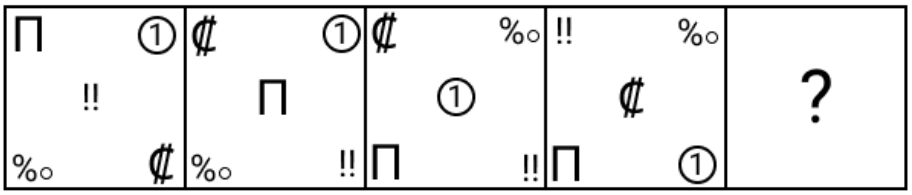
✗ B. Two

✓ C. More than three

✗ D. Three

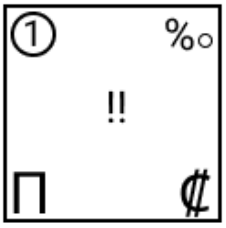
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Q.44

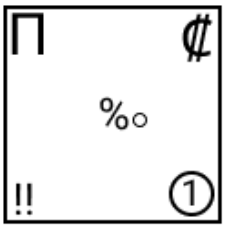


Ans

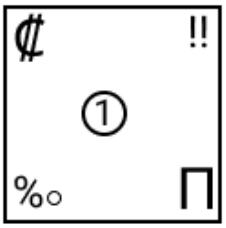
✗ A.



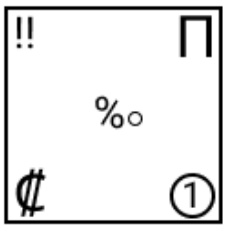
✗ B.



✗ C.



✓ D.



Q.45 **What should come in place of the question mark (?) in the given series?**

33 46 72 111 163 ?

Ans

✗ A. 222

✗ B. 224

✓ C. 228

✗ D. 226

Q.46 **Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. Only two people sit to the right of W. Only two people sit between W and X. Only two people sit between Y and R. R sits to the immediate left of W. S sits to the immediate right of Q. How many people sit between S and T?**

Ans

✗ A. One

✓ B. Three

✗ C. Two

✗ D. Four

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Q.47 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

OWEM XFNV GOWE PXFN ?

Ans

✗ A. WOGY

✗ B. YOGO

✓ C. YGOW

✗ D. YGWO

Q.48 What should come in place of the question mark (?) in the given series?

5 9 17 29 45 ?

Ans

✗ A. 64

✗ B. 66

✓ C. 65

✗ D. 67

Q.49 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

Ans

✓ A. MR-CJ

✗ B. DK-LU

✗ C. JQ-RA

✗ D. QX-YH

Q.50 STEM is related to WXIQ in a certain way based on the English alphabetical order. In the same way, FILL is related to JMPP. To which of the following is FLAG related, following the same logic?

Ans

✓ A. JPEK

✗ B. KPEL

✗ C. KPOK

✗ D. JOEK

Q.51 Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.
HDB–FBZ
IEC–GCA

Ans

✗ A. VQN–SOM

✗ B. VQN–TPN

✗ C. VRP–SPM

✓ D. RNL–PLJ

Q.52 If # means ÷, $ means +, @ means − and & means ×, then what will come in place of the question mark (?) in the following equation?

12$10#5@2&6#3 = ?

Ans

✗ A. 5

✗ B. 18

✗ C. 1

✓ D. 10

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Q.53 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
No doors are rugs.
No rugs are leopards.

Conclusions:
(I) : No leopards are doors.
(II) : Some doors are not leopards.

Ans

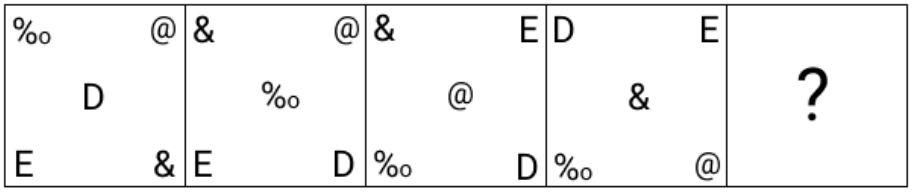
✗ A. Both conclusions (I) and (II) follow

✓ B. Neither conclusion (I) nor (II) follows

✗ C. Only conclusion (I) follows

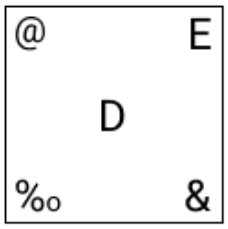
✗ D. Only conclusion (II) follows

Q.54

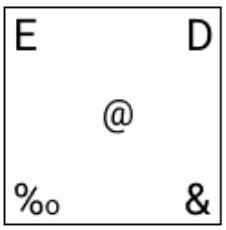


Ans

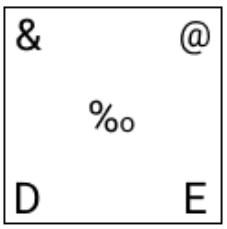
✗ A.



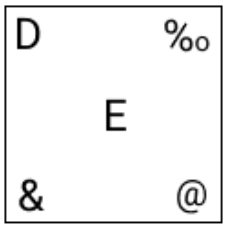
✗ B.



✗ C.



✓ D.



Q.55 **Paran ranked 10th from the top and 13th from the bottom in his class. How many students are there in his class?**

Ans

✓ A. 22

✗ B. 23

✗ C. 20

✗ D. 21

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Q.56 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?
7 B 3 A 3 C 5 D 2 = ?

Ans

✗ A. 8

✓ B. 10

✗ C. 4

✗ D. 5

Q.57 Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 9 7 6 1 6 7 6 5 7 6 4 8 8 6 2 6 2 4 8 5 6 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

Ans

✗ A. One

✗ B. Four

✗ C. Three

✓ D. Two

Q.58 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:
Some computers are tablets.
Some tablets are scanners.
All scanners are printers.

Conclusions:
(I) Some printers are tablets.
(II) All scanners are computers.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Neither conclusion (I) nor (II) follows.

✓ C. Only conclusion (I) follows.

✗ D. Only conclusion (II) follows.

Q.59 Deepak starts from Point Y and drives 73 km towards east. He then takes a right turn, drives 37 km, turns right and drives 29 km. He then takes a right turn and drives 61 km. He takes a left turn, drives 44 km. He then turns right, drives 22 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

Ans

✗ A. 42 km towards north

✗ B. 35 km towards west

✗ C. 51 km towards south

✓ D. 46 km towards south

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Q.60 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 21, 14)
(82, 78, 71)

Ans
- ✗ A. (10, 4, 3)
- ✗ B. (12, 8, 2)
- ✗ C. (31, 26, 19)
- ✓ D. (37, 33, 26)

Q.61 **Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.**

KDWP PIBU UNGZ ZSLE ?

Ans
- ✓ A. EXQJ
- ✗ B. EQJX
- ✗ C. ERTD
- ✗ D. EDRT

Q.62 **G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.**
Only two people live between J and K. Only two people live between P and H. No one lives above P. K lives below H, but above L. How many people lives below G?

Ans
- ✗ A. Two
- ✓ B. Three
- ✗ C. Four
- ✗ D. One

Q.63 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. OWE
- ✓ B. MVC
- ✗ C. NVD
- ✗ D. KSA

Q.64 **In a certain code language, 'where is it' is coded as 'pn tp or' and 'is this how' is coded as 'oq rd tp'. How is 'is' coded in the given language?**

Ans
- ✗ A. rd
- ✓ B. tp
- ✗ C. or
- ✗ D. pn

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Q.65 **Raj starts from Point A and drives 15 km towards the west. He then takes a right turn, drives 6 km, turns right and drives 5 km. He then takes a left turn and drives 4 km. He takes a final right turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)**

Ans

✗ A. 15 km towards the east

✗ B. 15 km towards the west

✓ C. 10 km towards the south

✗ D. 12 km towards the north

Q.66 **In a certain code language, 'the car crashed' is coded as 'al tk jb' and 'answer the call' is coded as 'mo jb tu'. How is 'the' coded in the given language?**

Ans

✓ A. jb

✗ B. tk

✗ C. al

✗ D. tu

Q.67 **Refer to the given number, symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)**
(Left) 1 7 9 6 $ 5 7 8 4 = 6 3 % 7 5 # 8 @ 2 + 5 7 & 4 1 (Right)
How many such symbols are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

Ans

✓ A. Two

✗ B. Four

✗ C. Three

✗ D. One

Q.68 **In a certain code language,**
'A = B' means 'A is the sister of B',
'A $ B' means 'A is the brother of B',
'A @ B' means 'A is the wife of B' and
'A * B' means 'A is the father of B'.

How is Q related to U if 'Q * W = R $ T @ U'?

Ans

✗ A. Brother

✗ B. Wife's brother

✗ C. Father

✓ D. Wife's father

Q.69 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All bands are gardens.
No band is a hen.
Conclusions:
(I): Some hens are gardens.
(II): All gardens are hens.

Ans

✗ A. Both conclusions (I) and (II) follow.

✓ B. Neither conclusion (I) nor (II) follows.

✗ C. Only conclusion (II) follows.

✗ D. Only conclusion (I) follows.

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Q.70 **In a certain code language, 'RANK' is coded as '1892' and 'RAIN' is coded as '9126'. What is the code for 'I' in the given code language?**

Ans

✔ A. 6

✘ B. 1

✘ C. 9

✘ D. 2

Section : **General Awareness**

Q.71 **Which of the following is NOT a property of sound waves?**

Ans

✘ A. They show the phenomena of reflection, transmission, diffraction, etc.

✘ B. They travel faster in solids than in liquids than in gases.

✔ C. Sound waves are transverse mechanical waves.

✘ D. They cannot traverse through vacuum, so their velocity in vacuum is zero.

Q.72 **Colonel Manpreet Singh of the Indian Army was awarded with which of these Gallantry awards (Posthumous), in the year 2024?**

Ans

✘ A. Shaurya Chakra

✘ B. Sena Medal (Gallantry)

✘ C. Bar to Sena Medal (Gallantry)

✔ D. Kirti Chakra

Q.73 **A stone of mass m tied to a rope is rotated in vertical circular path of radius r with uniform speed v. The total downwards forces acted on the stone at the lowest point is:**

Ans

✘ A. 1. $mv^2/r - mg$

✘ B. mg

✔ C. 3. $mv^2/r + mg$

✘ D. 4. $mg - mv^2/r$

Q.74 **What is the geological origin of the Peninsular Plateau?**

Ans

✘ A. Himalayan uplift

✘ B. Indo-Gangetic alluvium

✘ C. Tethys Sea deposits

✔ D. Gondwana land

Q.75 **Who among the following British officers introduced the policy of Subsidiary Alliance, one of the reason of 1857 revolt?**

Ans

✘ A. Henry Lawrence

✘ B. Sir Colin Campbell

✘ C. John Nicholson

✔ D. Lord Wellesley

Q.76 **The System of dual government (Dyarchy) in the provinces was introduced by which Act of the British Government in India?**

Ans

✘ A. Government of India Act, 1909

✘ B. Government of India Act, 1935

✘ C. Government of India Act, 1929

✔ D. Government of India Act, 1919

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Q.77 **Which of the following approaches is associated with Prof. Amartya Sen, as per which building human capabilities in the areas of health, education and access to resources is the key to human development?**

Ans

✗ A. Welfare Approach

✓ B. Capability Approach

✗ C. Income Approach

✗ D. Basic Needs Approach

Q.78 **Who has been appointed as the Executive Director (Whole-Time Director) of YES Bank for a three-year term starting 11 December 2024?**

Ans

✗ A. Anil Kumar

✗ B. Deepak Mehra

✓ C. Manish Jain

✗ D. Rajesh Sharma

Q.79 **Which state launched Deepam-2 scheme to provide free LPG cylinders to eligible beneficiaries?**

Ans

✗ A. Odisha

✓ B. Andhra Pradesh

✗ C. Telangana

✗ D. Tamil Nadu

Q.80 **India's first Export Processing Zone (EPZ) was established in:**

Ans

✓ A. Kandla

✗ B. Bengaluru

✗ C. Chennai

✗ D. Mumbai

Q.81 **What is the minimum age prescribed in the Constitution of India for a person to be appointed as a High Court Judge?**

Ans

✗ A. 25 years

✗ B. 32 years

✗ C. 30 years

✓ D. No minimum age is prescribed in the Constitution.

Q.82 **The 97th Constitutional Amendment Act, which recognised 'cooperative societies' as a part of the Directive Principles of State Policy, amended which of the following Articles of the Indian Constitution?**

Ans

✗ A. Articles 39 and 243

✗ B. Articles 21 and 243

✗ C. Articles 19 and 39

✓ D. Articles 19 and 243

Q.83 **What slogan did Lokmanya Tilak popularise regarding Swaraj?**

Ans

✗ A. "Swaraj is achieved through sacrifice."

✓ B. "Swaraj is my birthright and I shall have it."

✗ C. "Swaraj is given by the British."

✗ D. "Swaraj is a gift."

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Q.84 **The Official Language Commission is governed by which Article of the Indian Constitution?**

Ans
- ✔ A. Article 344
- ✘ B. Article 345
- ✘ C. Article 346
- ✘ D. Article 342

Q.85 **Mithun Chakraborty was awarded the prestigious Dadasaheb Phalke Award for his contributions to Indian cinema. The award was presented during the 70th National Film Awards ceremony held on:**

Ans
- ✘ A. 8 November 2024
- ✘ B. 8 September 2024
- ✘ C. 8 October 2023
- ✔ D. 8 October 2024

Q.86 **The Green Revolution in India began in which decade?**

Ans
- ✘ A. 1950s
- ✘ B. 1970s
- ✔ C. 1960s
- ✘ D. 1980s

Q.87 **In 1919, when the Montagu-Chelmsford Reforms were introduced in India, Lord Chelmsford was the:**

Ans
- ✘ A. British Prime Minister
- ✘ B. Secretary of State for India
- ✔ C. Viceroy of India
- ✘ D. Governor General of India

Q.88 **Name the famous literary personality who has authored the book named 'Rajatarangini'.**

Ans
- ✔ A. Kalhana
- ✘ B. Vishakhadatta
- ✘ C. Kautilya
- ✘ D. Jaimini

Q.89 **During which of the following movements did the extremists call for the boycott of British goods as a form of protest?**

Ans
- ✔ A. Swadeshi Movement
- ✘ B. Quit India Movement
- ✘ C. Civil Disobedience Movement
- ✘ D. Non-Cooperation Movement

Q.90 **Which of the following Governor Generals of British India introduced the Permanent Settlement of Land Revenue in 1793?**

Ans
- ✘ A. Sir John Shore
- ✔ B. Lord Cornwallis
- ✘ C. Lord Warren Hastings
- ✘ D. Lord Wellesley

Q.91 **India accounts for how much percentage of the total world land area?**

Ans
- ✔ A. 2.42%
- ✘ B. 0.42%
- ✘ C. 9.42%
- ✘ D. 6.40%

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Q.92 **India's heavy communication satellite GSAT-20 was developed by _____.**

Ans

✗ A. BHEL

✓ B. ISRO

✗ C. SAIL

✗ D. DRDO

Q.93 **Which of the following Governor-Generals introduced the General Service Enlistment Act?**

Ans

✗ A. Lord Wellesley

✗ B. Lord Auckland

✓ C. Lord Canning

✗ D. Lord Amherst

Q.94 **In October 2024, ISRO has acquired how many 400 kg-satellites for an essential mission called Space Docking Experiment (SPADEX)?**

Ans

✗ A. 4

✗ B. 5

✓ C. 2

✗ D. 6

Q.95 **Which of the following countries signed Memorandum of Understanding (MoU) in the fields of digital technologies, semiconductors, health cooperation and skill development in September 2024?**

Ans

✗ A. India and Bhutan

✗ B. India and Germany

✓ C. India and Singapore

✗ D. India and Australia

Q.96 **Lactic acid is primarily found in which of the following kitchen ingredients?**

Ans

✗ A. Sugar

✗ B. Lemon

✗ C. Salt

✓ D. Curd

Q.97 **In Budget 2024, to promote tourism, the government plans to develop religious circuits similar to the Kashi Vishwanath corridor. Which temple complex is included in this initiative?**

Ans

✗ A. Sabarimala Temple, Kerala

✗ B. Jagannath Temple, Puri

✓ C. Vishnupad Temple, Gaya

✗ D. Vaishno Devi Temple, Jammu

Q.98 **Which of the following are the main objectives of the Community Development Programme?**

1. Due recognition was given to the importance of planning
2. Recognition was also given to recruitment of trained personnel
3. It introduced modern technologies in agriculture

Ans

✗ A. Only 1 and 2

✗ B. Only 2 and 3

✓ C. 1, 2 and 3

✗ D. Only 1 and 3

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Q.99 **In October 2024, which Indian institute was launched by the Prime Minister in Mumbai?**

Ans

✗ A. Indian Institute of Fishery

✓ B. Indian Institute of Skills

✗ C. Indian Institute of Mines

✗ D. Indian Defence Institute

Q.100 **What market share does Axis Bank hold in the UPI Payer Payment service Provider (PSP) space as of Q2 FY25?**

Ans

✗ A. ~20%

✗ B. ~36%

✗ C. ~25%

✓ D. ~31%

Q.101 **The south-west monsoon is regarded as the continuation of which of the following winds, deflected towards the Indian subcontinent after crossing the Equator?**

Ans

✗ A. Northeast trades

✓ B. Southeast trades

✗ C. Westerlies

✗ D. Easterlies

Q.102 **Which Five-Year Plan in India primarily focused on agriculture and irrigation to support the Green Revolution?**

Ans

✓ A. First Five-Year Plan

✗ B. Third Five-Year Plan

✗ C. Fourth Five-Year Plan

✗ D. Second Five-Year Plan

Q.103 **How many shrutis have been formulated for all practical purposes?**

Ans

✗ A. 50

✓ B. 22

✗ C. 25

✗ D. 72

Q.104 **When a light ray moves from denser to rarer medium, which of the following conditions results in total internal reflection?**

Ans

✗ A. 1. Angle of incidence (i) = critical angle (i_c)

✗ B. 2. Refracted angle (r) < critical angle (i_c)

✗ C. 3. Angle of incidence (i) < critical angle (i_c)

✓ D. 4. Angle of incidence (i) > critical angle (i_c)

Q.105 **According to Bharat Muni in Natya Shastra, Ghan Vadya is also known as _____.**

Ans

✗ A. percussion

✗ B. wind

✓ C. solid

✗ D. string

Q.106 **Which organization is primarily responsible for promoting free trade among nations?**

Ans

✗ A. International Monetary Fund (IMF)

✗ B. World Bank

✗ C. United Nations (UN)

✓ D. World Trade Organization (WTO)

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Q.107 Where was the new East Africa Representative Office of India Exim Bank inaugurated in May 2024?

Ans

✗ A. Addis Ababa, Ethiopia

✗ B. Dares Salaam, Tanzania

✗ C. Lagos, Nigeria

✓ D. Nairobi, Kenya

Q.108 Which of the following organisations promotes globalisation?

Ans

✗ A. UNESCO

✗ B. UNCTAD

✓ C. WTO

✗ D. WHO

Q.109 How many accounts had been opened under the Pradhan Mantri Jan Dhan Yojana by October 2024?

Ans

✓ A. 53 crore

✗ B. 60 crore

✗ C. 25 crore

✗ D. 40 crore

Q.110 Which of the following statements is correct?

Ans

✗ A. Both National Commission for Scheduled Castes and National Commission for Backward Classes are Non-Constitutional bodies.

✗ B. National Commission for Backward Classes is a Constitutional body, while National Commission for Scheduled Castes is a Non-Constitutional body.

✓ C. Both National Commission for Scheduled Castes and National Commission for Backward Classes are Constitutional bodies.

✗ D. National Commission for Scheduled Castes is a Constitutional body, while National Commission for Backward Classes is a Non-Constitutional body.

Q.111 In which of the following months are Rabi crops mostly sown in the northern part of India?

Ans

✓ A. October to December

✗ B. April to June

✗ C. January to March

✗ D. July to September

Q.112 Which river forms the largest delta in the Great Indian Plains?

Ans

✗ A. Damodar-Mahanadi

✗ B. Indus-Satluj

✓ C. Ganga-Brahmaputra

✗ D. Ganga-Yamuna

Q.113 When was the signing ceremony for the Indo-Pacific Economic Framework for Prosperity (IPEF) Clean Economy Agreement, Fair Economy Agreement, and Agreement on IPEF held?

Ans

✓ A. September 2024

✗ B. June 2023

✗ C. October 2023

✗ D. June 2024

Q.114 What was the time period of the Sayyid dynasty of the Delhi Sultanate?

Ans

✓ A. 1414–1451

✗ B. 1414–1430

✗ C. 1414–1446

✗ D. 1424–1445

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Q.115 **Which of the following states is home to India's first Multi-Modal Logistics Park (MMLP)?**

Ans

✔ A. Assam

✘ B. Maharashtra

✘ C. Tamil Nadu

✘ D. Gujarat

Q.116 **Which of the following Fundamental Duties instructs a parent to provide opportunities of education to their child between the age of 6 and 14 years?**

Ans

✘ A. 1. 9th

✔ B. 2. 11th

✘ C. 3. 10th

✘ D. 4. 8th

Q.117 **Who was an ambassador sent to the court of Chandragupta by the Greek ruler of West Asia?**

Ans

✘ A. Sayyid Beg

✘ B. Dionysius

✔ C. Megasthenes

✘ D. Seleucus

Q.118 **Arrange the names of the following defence ministers of India from the earliest to latest.**
A. Sharad Pawar
B. Mulayam Singh Yadav
C. George Fernandes
D. Rajnath Singh

Ans

✘ A. A,D,C,B

✘ B. C,B,D,A

✔ C. A,B,C,D

✘ D. B,D,A,C

Q.119 **If a magnetic field is applied parallel to a charge moving in a straight line, the direction of the charge will be:**

Ans

✘ A. spiral

✔ B. rectilinear

✘ C. elliptical

✘ D. circular

Q.120 **Which of the following musical instruments of Mizoram is NOT a wind instrument?**

Ans

✘ A. Rawchhem

✘ B. Tumphit

✘ C. Buhchangkuang

✔ D. Seki

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	10/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **Find the value of 2.35 + 0.56 − 1.89 − 2.85 + 4.26.**

Ans
- ✗ A. 2.04
- ✓ B. 2.43
- ✗ C. 2.33
- ✗ D. 2.24

Q.2 **The difference (in ₹) between C.I. and S.I. on a certain sum at 12 % per annum compounded annually for 2 years is ₹360. Find the sum (in ₹).**

Ans
- ✓ A. 25,000
- ✗ B. 23,560
- ✗ C. 25,060
- ✗ D. 23,650

Q.3 **Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Sachin borrowed an amount of ₹460000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Sachin after 2 (in ₹) years.**

Ans
- ✓ A. 23000
- ✗ B. 22500
- ✗ C. 24500
- ✗ D. 24000

Q.4 **The average of the marks of 14 students in a class is 62. If the marks of each student are doubled, find the new average?**

Ans
- ✓ A. 124
- ✗ B. 14
- ✗ C. 62
- ✗ D. 28

Q.5 **A bike goes 47 meters in a second. Find its speed in km/hr.**

Ans
- ✗ A. 162.5
- ✓ B. 169.2
- ✗ C. 162.6
- ✗ D. 175.3

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Q.6 Pipe A can fill a tank in 5 hours. Pipe B can empty it in 12 hours. If both the pipes are opened simultaneously, how much time will it take to fill the tank?

Ans

✗ A. $8\frac{2}{7}$ hours

✓ B. $8\frac{4}{7}$ hours

✗ C. $8\frac{1}{7}$ hours

✗ D. $8\frac{3}{7}$ hours

Q.7 The marked price of a watch is ₹6,420, available at a discount of 17%. Find the amount paid by the customer when he purchased the watch.

Ans

✗ A. ₹5,425.25

✗ B. ₹5,368.78

✓ C. ₹5,328.60

✗ D. ₹5,248.85

Q.8 Six bells start ringing simultaneously and ring at an interval of 2, 4, 6, 8, 10 and 12 seconds, respectively. How many times do they ring together in 50 minutes?

Ans

✗ A. 30

✗ B. 15

✓ C. 26

✗ D. 21

Q.9 The cost of decorating the curved surface area of a cone is ₹6,270. If (Use $\pi = 22/7$)

Ans

✓ A. 9

✗ B. 3

✗ C. 5

✗ D. 7

Q.10 What is the area (in cm^2) of a right-angled triangle having a hypotenuse of 89 cm and one side measuring 39 cm?

Ans

✓ A. 1560

✗ B. 1650

✗ C. 1260

✗ D. 1150

Q.11 A bottle is filled with a mixture of water and syrup in ratio 2 : 5, respectively. How much of the mixture must be replaced with water so that the mixture has half water and half syrup?

Ans

✗ A. $\frac{3}{2}$

✗ B. $\frac{3}{5}$

✓ C. $\frac{3}{10}$

✗ D. $\frac{21}{10}$

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Q.12 Evaluate:

$$\sqrt{\left(7+\sqrt{\left((71+\sqrt{\left(93+\sqrt{\left(40+\sqrt{(81)}\right)}\right)}\right)}\right)}$$

Ans

✗ A. 5

✓ B. 4

✗ C. 3

✗ D. 8

Q.13 **Three partners invested in a business in the ratio 5:9:1. They invested their capitals for 1 months, 9 months and 6 months, respectively. What was the ratio of their profits?**

Ans

✓ A. 5:81:6

✗ B. 6:81:6

✗ C. 3:81:6

✗ D. 7:81:6

Q.14 If the cost price is 60% of the selling price, then what is the profit percentage?

Ans

✓ A. $66\frac{2}{3}\%$

✗ B. $33\frac{1}{3}\%$

✗ C. 40%

✗ D. $56\frac{1}{3}\%$

Q.15 $14 \times \left(14 \times (3^2)\right) \div 17 + 25 - 89$

Ans

✗ A. $\frac{671}{17}$

✗ B. $\frac{672}{17}$

✓ C. $\frac{676}{17}$

✗ D. $\frac{681}{17}$

Q.16 **What is the greatest number that will divide 651 and 1110 leaving the remainders 5 and 8, respectively?**

Ans

✗ A. 18

✗ B. 36

✗ C. 19

✓ D. 38

Q.17 **If 40% of k is 10 less than 2400% of 10, then k is:**

Ans

✗ A. 615

✗ B. 535

✗ C. 555

✓ D. 575

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Q.18 How many seconds will a boy take to run one complete round around a square field of side 53 metres, if he runs at a speed of 8 km/h?

Ans

✗ A. 102

✗ B. 88

✗ C. 101

✓ D. 95.4

Q.19 Anjali can do a certain piece of work in 20 days. Anjali and Ayushi can together do the same work in 16 days, and Anjali, Ayushi and Ankita can do the same work together in 10 days. In how many days can Anjali and Ankita do the same work?

Ans

✓ A. $\frac{80}{7}$

✗ B. $\frac{78}{9}$

✗ C. $\frac{87}{7}$

✗ D. $\frac{85}{8}$

Q.20 A cylindrical rod has an outer curved surface area of 9900 cm^2. If the length of the rod is 82 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$Take\ \pi = \frac{22}{7}$

Ans

✗ A. 17.55

✓ B. 19.21

✗ C. 20.39

✗ D. 17.09

Q.21 An amount of ₹905 is divided among three persons in the ratio of 9 : 10 : 16. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans

✗ A. 274

✗ B. 110

✓ C. 181

✗ D. 205

Q.22 A pipe can fill a tank in 7 hours. Another pipe can empty the filled tank in 9 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:

Ans

✗ A. 42

✗ B. 63

✓ C. 21

✗ D. 84

Q.23

Find the value of $37^{-14} \div 37^{4} \times 37^{-12}$

Ans

✓ A. 1.
37^{-30}

✗ B. 2.
37^{-20}

✗ C. 3.
37^{-24}

✗ D. 4.
37^{-38}

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Q.24 A man can row 12 km/hr in still water. When the river is running at 2.2 km/hr, it takes him 1.2 hours to row to a place and come back. How far is the place?

Ans

✗ A. 6.658 kilometres

✗ B. 6.758 kilometres

✓ C. 6.958 kilometres

✗ D. 6.858 kilometres

Q.25 A fruit seller bought 6 apples for ₹315 and sold 4 apples for ₹140. Find his gain or loss percentage.

Ans

✗ A. $33\frac{1}{3}\%$ gain

✗ B. $25\frac{1}{2}\%$ gain

✗ C. $25\frac{1}{2}\%$ loss

✓ D. $33\frac{1}{3}\%$ loss

Q.26 On an amount, the difference in interests is ₹225 at 10% per annum rate when the interest is compounded semi-annually and annually, respectively, in a year. The amount (in ₹) is:

Ans

✗ A. 80,000

✗ B. 75,000

✓ C. 90,000

✗ D. 1,00,000

Q.27 The price of an item is increased by ₹25 and in percentage, its price is increased by 10%. The price of the item now is ₹___.

Ans

✗ A. 200

✓ B. 275

✗ C. 225

✗ D. 250

Q.28 The monthly incomes of two friends Rupesh and Manjit, are in the ratio 5 : 7 respectively and each of them saves ₹84000 every month. If the ratio of their monthly expenditure is 2 : 3, find the monthly income of Rupesh(in ₹).

Ans

✓ A. 420000

✗ B. 588000

✗ C. 421000

✗ D. 419000

Q.29 Tushar bought 52 books for Rs 1125 from one shop and 48 books for Rs 910 from another. What is the average price (in Rs) he paid per book ?

Ans

✗ A. 1036.8

✓ B. 1021.8

✗ C. 1031.8

✗ D. 1011.8

Q.30 The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 129. Find the average of the remaining two numbers?

Ans

✗ A. 204

✗ B. 189

✓ C. 188

✗ D. 205

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Q.31 What is the value of p such that 579p46 is divisible by 11?

Ans
- ✗ A. 9
- ✗ B. 8
- ✗ C. 6
- ✓ D. 5

Q.32 A merchant offers a discount of 25% on the list price, due to which she makes a loss of 13%. What percent profit or percent loss will she make if she sells at a discount of 10% of the list price?

Ans
- ✗ A. 4.8% Profit
- ✗ B. 4.4% Loss
- ✓ C. 4.4% Profit
- ✗ D. 4.8% Loss

Q.33 In a race, an athlete covers a distance of 312 m in 156 sec in the first lap. He covers the second lap of the same length in 52 sec. What is the average speed (in m/sec) of the athlete?

Ans
- ✗ A. 12
- ✗ B. 2
- ✓ C. 3
- ✗ D. 6

Q.34 A fraction r is equivalent to 18.75%. What is the value of the expression $\frac{8^2}{9}(2r)^2$?

Ans
- ✗ A. 0.75
- ✗ B. 0.5
- ✗ C. 0.25
- ✓ D. 1

Q.35 The average of first 122 even numbers is

Ans
- ✗ A. 124
- ✓ B. 123
- ✗ C. 123.5
- ✗ D. 122.5

Section : **General Intelligence and Reasoning**

Q.36

M

RYPL7

N

Ans
- ✗ A. 7⅃ꟼYЯ
- ✗ B. ⅂⅃ꟼYЯ
- ✗ C. ⅂PLYЯ
- ✓ D. ⅂⅃ꟼYЯ

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Q.37 **XCHB is related to ZEJD in a certain way based on the English alphabetical order. In the same way, WOJQ is related to JQLS. To which of the given options is UMGT related, following the same logic?**

Ans
- ✗ A. VNHU
- ✗ B. SKER
- ✓ C. WOIV
- ✗ D. TLFS

Q.38 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. RMP
- ✗ B. UPS
- ✓ C. OJN
- ✗ D. LGJ

Q.39 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

UZG XCJ AFM DIP ?

Ans
- ✗ A. GYH
- ✗ B. GHY
- ✓ C. GLS
- ✗ D. GSL

Q.40 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All peas are onions.
No pea is a tomato.
No tomato is a brinjal.
Conclusions:
(I): No onion is a tomato.
(II): No pea is a brinjal.

Ans
- ✗ A. Only conclusion (II) follows.
- ✗ B. Only conclusion (I) follows.
- ✗ C. Both conclusions (I) and (II) follow.
- ✓ D. Neither conclusion (I) nor (II) follows.

Q.41 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7436518, how many digits will appear more than once in the new number thus formed?**

Ans
- ✗ A. 1
- ✗ B. 2
- ✓ C. 3
- ✗ D. 0

Q.42 **What should come in place of the question mark (?) in the given series?**

55 60 59 64 63 ?

Ans
- ✗ A. 64
- ✗ B. 58
- ✓ C. 68
- ✗ D. 54

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Q.43 **Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.**
YAB–DFG
RTU–WYZ

Ans
- ✗ A. WXX–BDE
- ✓ B. ACD–FHI
- ✗ C. WXX–ACD
- ✗ D. WYZ–ADD

Q.44 **Manoj starts from Point A and drives 11 km towards the east. He then takes a left turn, drives 9 km, turns left and drives 12 km. He then takes a left turn and drives 15 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✗ A. 5 km to the north
- ✓ B. 6 km to the north
- ✗ C. 6 km to the south
- ✗ D. 5 km to the south

Q.45 **What should come in place of the question mark (?) in the given series?**

16 32 80 240 ? 3360

Ans
- ✗ A. 850
- ✗ B. 820
- ✓ C. 840
- ✗ D. 830

Q.46 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
Some pets are wild.
All wild are animals.

Conclusions:
(I) Some pets are animals.
(II) All pets are animals.

Ans
- ✗ A. Only conclusion (II) follows.
- ✗ B. Both conclusions (I) and (II) follow.
- ✓ C. Only conclusion (I) follows.
- ✗ D. Neither conclusion (I) nor (II) follows.

Q.47 **This question is based on the five, three-digit numbers given below.**

(Left) 276 468 583 314 529 (Right)

(Example- 697 – First digit = 6, second digit = 9, and third digit = 7)
(Note: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the first digit of the lowest number?

Ans
- ✓ A. 10
- ✗ B. 11
- ✗ C. 15
- ✗ D. 12

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Q.48 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7735821, what will be difference between the highest and lowest digits in the new number thus formed?**

Ans

✗ A. 4

✓ B. 8

✗ C. 7

✗ D. 1

Q.49 **In a certain code language,**
A * B means 'A is the brother of B',
A @ B means 'A is the son of B',
A + B means 'A is the wife of B',
A - B means 'A is the father of B'.

Based on the above, how is R related to D if 'R @ O - U + N * D'?

Ans

✗ A. Brother's sister's daughter

✗ B. Brother's sister's son

✗ C. Brother's wife's husband

✓ D. Brother's wife's brother

Q.50 **Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.**

(Left) 3 6 2 8 7 4 3 1 6 9 2 5 8 1 3 4 8 7 5 4 7 9 5 7 2 4 1 (Right)

How many such even digits are there each of which is immediately preceded by a perfect square and immediately followed by an odd digit?
(NOTE: 1 is also a perfect square.)

Ans

✗ A. Two

✗ B. More than three

✓ C. Three

✗ D. One

Q.51 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**
PET 23, TJN 32, XOH 41, BTB 50, ?

Ans

✓ A. FYV 59

✗ B. GYU 59

✗ C. FZV 57

✗ D. GZV 57

Q.52 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. GN-OX

✗ B. BI-JS

✗ C. DK-LU

✓ D. FM-NU

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Q.53 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

XPR UMO RJL OGI ?

Ans

✗ A. LCE

✗ B. LCF

✓ C. LDF

✗ D. LDE

Q.54 What should come in place of the question mark (?) in the given series?

782 780 776 770 762 ?

Ans

✗ A. 754

✗ B. 750

✓ C. 752

✗ D. 756

Q.55 In a certain code language, 'love your enemies' is coded as 'tq fs rt' and 'love conquers all' is coded as 'ps nt tq'. How is 'love' coded in the given language?

Ans

✓ A. tq

✗ B. rt

✗ C. nt

✗ D. fs

Q.56 Six people, A, B, C, D, E and F are sitting in a row, facing north. F sits to the immediate left of B. C sits third to the left of B. D is an immediate neighbour of B. E sits to the immediate right of C. D sits to the immediate left of A. Who sits at the extreme right end of the line?

Ans

✓ A. A

✗ B. D

✗ C. E

✗ D. B

Q.57 M, N, O, R, S and Z live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. N lives on the topmost floor. Only three people live between N and S. O lives on a floor below S. M lives on an even numbered floor. Z lives on an odd numbered floor but not on floor number 5. How many people live between R and S?

Ans

✗ A. One

✗ B. Four

✗ C. Three

✓ D. Two

Q.58 This question is based on the five, three-digit numbers given below.

(Left) 567 248 351 946 846 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans

✓ A. 10

✗ B. 7

✗ C. 8

✗ D. 9

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Q.59 **Seven people, K, L, M, N, O, P, and Q are sitting in a straight line, facing north. Only three people sit between L and O. Only two people sit to the right of O. K sits second to the right of P. K is not an immediate neighbour of Q. O sits to the immediate left of M. Who sits at the extreme left end of the line?**

Ans

✗ A. M

✗ B. P

✓ C. L

✗ D. N

Q.60 **Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. Only four people sit to the right of T. Only one person sits between S and W. Only three people sit between T and S. X sits to the immediate left of Y. Q is not an immediate neighbour of S. How many people sit to the right of R?**

Ans

✗ A. Two

✓ B. One

✗ C. Three

✗ D. Four

Q.61 **In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

201 - 302
3 - 104

Ans

✗ A. 103 - 205

✗ B. 23 - 125

✓ C. 90 - 191

✗ D. 40 - 142

Q.62 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

SUF : WYJ
CAL : GEP

Ans

✗ A. QST : NKH

✗ B. AFL : GJM

✗ C. EKO : INS

✓ D. DVB : HZF

Q.63 **In a certain code language,**

'A + B' means 'A is the sister of B',
'A – B' means 'A is the brother of B',
'A × B' means 'A is the wife of B' and
'A ÷ B' means ' A is the father of B'.

How is P related to T if 'P + Q – R ÷ S × T'?

Ans

✗ A. Wife's mother's sister

✗ B. Wife's mother's mother

✓ C. Wife's father's sister

✗ D. Wife's father's mother

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Q.64 **In a certain code language, 'watch less tv' is coded as 'mb tb km' and 'tv is boring' is coded as 'zb km ab'. How is 'tv' coded in the given language?**

Ans

✗ A. zb

✗ B. mb

✓ C. km

✗ D. tb

Q.65 **Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements.**

Statements:
All coats are pants.
All pants are sneakers.
All sneakers are jackets.

Conclusions:
(I) All coats are sneakers.
(II) All pants are jackets.

Ans

✗ A. Only II follows

✗ B. Only I follows

✓ C. Both I and II follow

✗ D. Neither I nor II follows

Q.66 **In a certain code language, 'its my life' is coded as 'io tr we' and 'life is precious' is coded as 'ew oi tr'. How is 'life' coded in the given language?**

Ans

✗ A. io

✗ B. we

✓ C. tr

✗ D. ew

Q.67 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3178546, what will be difference between the highest and lowest digits in the number thus formed?**

Ans

✗ A. 7

✗ B. 5

✗ C. 8

✓ D. 6

Q.68 **Ram starts from Point A and drives 12 km towards the south. He then takes a right turn, drives 13 km, turns right and drives 14 km. He then takes a right turn and drives 15 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans

✗ A. 4 km to the east

✗ B. 3 km to the east

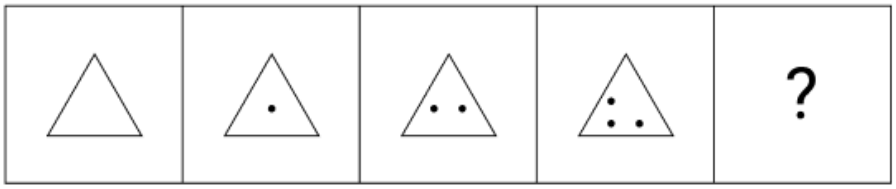
✓ C. 2 km to the west

✗ D. 1 km to the west

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Q.69



Ans

✗ A.



✗ B.



✓ C.



✗ D.



Q.70 **Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. B is kept second from the bottom. Only three boxes are kept between B and G. F is kept at one of the positions below B. Only E is kept between G and D. A is kept at one of the positions above G. How many boxes are kept between A and E?**

Ans

✗ A. 4

✓ B. 1

✗ C. 2

✗ D. 3

Section : **General Awareness**

Q.71 **Which of the following is the highest peak of the Himalayas located in India?**

Ans

✗ A. Nanda Devi

✓ B. Kangchenjunga

✗ C. Annapurna

✗ D. Mount Everest

Q.72 **Which of the following schemes focuses on rural employment?**

Ans

✗ A. Digital India

✗ B. GST

✗ C. Swachh Bharat Mission

✓ D. MNREGA

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Q.73 **Which of the following stages of the 2024 Hyundai Archery World Cup was held in Antalya, Turkey from 18 June to 23 June, 2024?**

Ans
- ✗ A. Stage 2
- ✓ B. Stage 3
- ✗ C. Stage 4
- ✗ D. Stage 1

Q.74 **In October 2024, in the State of Uttar Pradesh v. Lalta Prasad Vaish, the Supreme Court upheld the power of state governments to regulate which of the following?**

Ans
- ✗ A. Foreign trade
- ✗ B. Goods and Service Tax (GST)
- ✓ C. Industrial alcohol
- ✗ D. Royality of mines

Q.75 **How many Fundamental Duties were mentioned at the time of Constitution enforcement in 1950?**

Ans
- ✓ A. 0
- ✗ B. 10
- ✗ C. 8
- ✗ D. 11

Q.76 **Rahul Acharya is a famous ____ dancer.**

Ans
- ✗ A. Bharatnatyam
- ✓ B. Odissi
- ✗ C. Kathak
- ✗ D. Sattriya

Q.77 **Articles 153 to 167 in the Indian Constitution deal with which aspect of governance?**

Ans
- ✗ A. The Panchayati Raj System
- ✗ B. The Union Executive
- ✗ C. The Judiciary
- ✓ D. The State Executive

Q.78 **Which of the following is NOT one of the four holy pilgrimage destinations where the Kumbh Mela is held by rotation?**

Ans
- ✗ A. Nashik
- ✓ B. Varanasi
- ✗ C. Haridwar
- ✗ D. Prayagraj

Q.79 **Which city of India has the highest density, according to Census 2011?**

Ans
- ✓ A. Mumbai
- ✗ B. Bengaluru
- ✗ C. Hyderabad
- ✗ D. Delhi

Q.80 **Which of the following acids is primarily present in vinegar?**

Ans
- ✗ A. Citric acid
- ✗ B. Lactic acid
- ✗ C. Oxalic acid
- ✓ D. Acetic acid

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Q.81 **Which type of forests are found in areas with annual rainfall above 200 cm?**

Ans

✗ A. Mangrove Forests

✗ B. Montane Forests

✓ C. Tropical Evergreen Forests

✗ D. Tropical Deciduous Forests

Q.82 **Who appoints the Governor of a state in India?**

Ans

✗ A. Prime Minister

✓ B. President

✗ C. Chief Minister

✗ D. Election Commission

Q.83 **How many Memorandum of Understanding (MoU) was signed by India and Singapore in September 2024 to strengthen the cooperation between the two nations?**

Ans

✓ A. Four

✗ B. Two

✗ C. Three

✗ D. Five

Q.84 **Where did India's second nuclear power station come up, the first unit of which went into operation in August 1972?**

Ans

✗ A. Uttar Pradesh

✓ B. Rajasthan

✗ C. Maharashtra

✗ D. Karnataka

Q.85 **In which of the following states is the Chota Nagpur Plateau located?**

Ans

✗ A. Telangana

✗ B. Rajasthan

✓ C. Jharkhand

✗ D. Maharashtra

Q.86 **The shift in the position of the Inter-Tropical Convergence Zone (ITCZ) in the summer season in India is related to which of the following phenomena?**

Ans

✓ A. Withdrawal of the westerly jet stream from the north Indian plain

✗ B. Withdrawal of the easterly jet stream along 15°N latitude

✗ C. Formation of the westerly jet stream in the north Indian plain

✗ D. Formation of the easterly jet stream along 25°N latitude

Q.87 **Indian tennis player Rohan Bopanna and his Australian partner Matthew Ebden have qualified for the men's doubles event of which tournament that was scheduled to take place in November 2024?**

Ans

✓ A. ATP Finals 2024

✗ B. French Open

✗ C. China Open

✗ D. US Open

Q.88 **Who founded the Mughal Empire in India?**

Ans

✗ A. Akbar

✗ B. Taimur

✗ C. Sher Shah

✓ D. Babur

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Q.89 **Which of the following statements is/are correct in the context of the religious development during the Gupta Empire?**

I. Nalanda University was founded by Kumargupta I of the Gupta dynasty in the 5th century CE.
II. Narasimhagupta Baladitya was influenced by Mahayana Buddhism.

Ans

✗ A. Only I

✗ B. Only II

✓ C. Both I and II

✗ D. Neither I nor II

Q.90 **Bimbavati Devi is a famous ____ dancer.**

Ans

✗ A. Sattriya

✗ B. Kathak

✗ C. Kuchipudi

✓ D. Manipuri

Q.91 **Double Olympic medalist in shooting in 2024, Manu Bhaker was appointed as brand ambassador of which Indian Ministry?**

Ans

✗ A. Ministry of Railways

✓ B. Ministry of Ports, Shipping and Waterways

✗ C. Ministry of Education

✗ D. Ministry of Youth Affairs and Sports

Q.92 **Which of the following places did Kunwar Amar Singh of Arrah make his battlefield in the revolt of 1857?**

Ans

✓ A. Azamgarh and Ghazipur

✗ B. Lucknow

✗ C. Rohilkhand

✗ D. Gwalior and Jhansi

Q.93 **Which of the following is NOT a feature of globalisation?**

Ans

✗ A. Technological advancement

✗ B. Movement of labour

✗ C. Free trade

✓ D. Protectionism

Q.94 **The distance (in cm) covered by particle in time t sec is given by $x = 10t^2 + 6t + 3$. How much distance will it cover after 2 sec?**

Ans

✓ A. 55 cm

✗ B. 15 cm

✗ C. 52 cm

✗ D. 3 cm

Q.95 **Which fiscal year's Budget is noted for introducing a 'taxation budget' with a revision of income tax slabs?**

Ans

✗ A. 2025-26

✓ B. 2024-25

✗ C. 2023-24

✗ D. 2022-23

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Q.96 **According to the 2023-2024 Human Development Report (HDR), India's Human Development Index (HDI) value is _____.**

Ans

✗ A. 2.763

✗ B. 1.109

✗ C. 0.984

✓ D. 0.644

Q.97 **In March 2024, the Prime Minister inaugurated a semiconductor fabrication facility at Dholera, and two Outsourced Semiconductor Assembly and Test (OSAT) facilities in which locations?**

Ans

✓ A. Morigaon and Sanand

✗ B. Guwahati and Ahmedabad

✗ C. Hyderabad and Bengaluru

✗ D. Vadodara and Lucknow

Q.98 **Aus, Aman and Boro, mainly grown in Assam, West Bengal and Odisha, are varieties of which of the following crops?**

Ans

✗ A. Tea

✗ B. Wheat

✓ C. Paddy

✗ D. Potato

Q.99 **The Constitution was drafted in 1947 by how many representatives of different castes, regions, religions, genders, etc.?**

Ans

✗ A. 222

✗ B. 159

✗ C. 201

✓ D. 299

Q.100 **India ranks _____ in the world's GDP rankings for 2024 as per Forbes.**

Ans

✗ A. seventh

✓ B. fifth

✗ C. sixth

✗ D. fourth

Q.101 **Who appoints the Chairman and members of a Joint Administrative Tribunal (JAT)?**

Ans

✗ A. The Union Cabinet

✗ B. The concerned state governments

✗ C. The Chief Justice of India, in consultation with the Chief Ministers of the concerned states

✓ D. The President of India, after consultation with the Governors of the concerned states

Q.102 **As of October 2024, which of the following statements is correct regarding repo and reverse repo rates?**

Ans

✗ A. The reverse repo rate of the Reserve Bank of India (RBI) was 9.50%.

✓ B. The repo rate of the Reserve Bank of India (RBI) was 6.50%.

✗ C. The repo rate of the Reserve Bank of India (RBI) was 1.50%.

✗ D. The reverse repo rate of the Reserve Bank of India (RBI) was 6.50%.

Q.103 **Which of the following sectors saw major reforms in the 1991 economic liberalisation?**

Ans

✗ A. Education

✓ B. Industry and Trade

✗ C. Healthcare

✗ D. Agriculture

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Q.104 **Standard Capital Markets issued Non-Convertible Debentures (NCDs) worth _____ in 2024.**

Ans

✗ A. ₹700 crore

✗ B. ₹200 crore

✓ C. ₹500 crore

✗ D. ₹300 crore

Q.105 **Mundari is a ritualistic dance form of the Munda tribes prevalent in _____.**

Ans

✗ A. Punjab

✗ B. Uttarakhand

✗ C. Tamil Nadu

✓ D. Jharkhand

Q.106 **Electrons are fundamental particles that make up matter. Who among the following is credited with this discovery?**

Ans

✗ A. Marie Curie

✓ B. JJ Thomson

✗ C. Niels Bohr

✗ D. Ernest Rutherford

Q.107 **What does MSME stand for in the context of the industrial sector?**

Ans

✗ A. Medium, Small and Micro Enterprises

✗ B. Medium, Scale and Micro Enterprises

✓ C. Micro, Small and Medium Enterprises

✗ D. Major, Small and Medium Enterprises

Q.108 **Protection of life and personal liberty is contained under which Article of the Indian Constitution?**

Ans

✗ A. Article 23

✗ B. Article 22

✗ C. Article 24

✓ D. Article 21

Q.109 **Which commission was appointed to study the reforms of the Government of India Act, 1919, and suggest further measures for constitutional reforms?**

Ans

✗ A. Floud Commission

✗ B. Chatfield Commission

✗ C. Hunter Commission

✓ D. Simon Commission

Q.110 **Modulus of elasticity has the dimensions _____.**

Ans

✗ A. 1. $[ML^{-2}T^{-2}]$

✗ B. 2. $[MLT^{-2}]$

✗ C. 3. $[ML^{-1}T^{-1}]$

✓ D. 4. $[ML^{-1}T^{-2}]$

Q.111 **Who among the following played a pivotal role in drafting the Indian Constitution and is often referred to as the 'Father of the Indian Constitution'?**

Ans

✗ A. Sardar Vallabhbhai Patel

✗ B. Mahatma Gandhi

✗ C. Jawaharlal Nehru

✓ D. Dr BR Ambedkar

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Q.112 Which of the following options does NOT represent one of Kepler's laws of planetary motion?

Ans

✗ A. A line segment joining a planet and the Sun sweeps out equal areas during equal intervals of time.

✗ B. The square of the orbital period of a planet is directly proportional to the cube of the semi-major axis of its orbit.

✗ C. The orbit of each planet around the Sun is an ellipse with the Sun at one of the two foci.

✓ D. The orbit of all planets around the Sun are coplanar.

Q.113 According to the Economic Survey 2024, which sector is emphasised as the primary area for job creation in India?

Ans

✗ A. Public sector

✓ B. Private sector

✗ C. Agricultural sector

✗ D. Government sector

Q.114 Who fought in the famous Battle of Chinhat with the Britishers during the Revolt of 1857?

Ans

✗ A. Maulana Azad

✗ B. Rani Laxmibai

✗ C. Shah Mal

✓ D. Maulvi Ahmadullah Shah

Q.115 What is the name of an AI-based tool developed by woman entrepreneur Shivani Verma in June 2024 that creates a 'robust and multi-faceted authentication system' by combining facial recognition with gait analysis?

Ans

✓ A. Divya Drishti

✗ B. Divya Kanti

✗ C. Divya Vani

✗ D. Divya Shakti

Q.116 Who was the chief commissioner of Awadh in 1857?

Ans

✗ A. Major General Sir James Outram

✗ B. Colville Coverly Jackson

✓ C. Sir Henry Lawrence

✗ D. Major John Sherbroke Banks

Q.117 Organisation of Village Panchayats is included in which of the following?

Ans

✗ A. Preamble

✗ B. Fundamental Duties

✓ C. Directive Principles of State Policy

✗ D. Fundamental Rights

Q.118 Which organisation(s) is/are known for providing microfinance to rural communities in India?

Ans

✓ A. Regional Rural Banks

✗ B. Reserve Bank of India

✗ C. UNESCO

✗ D. World Health Organization

Q.119 In September 2024, the Himachal Pradesh Vidhan Sabha announced the introduction of which of the following in its monsoon session?

Ans

✗ A. Transgenders' representation in Assembly

✗ B. A new tourism policy

✗ C. A digital legislative portal

✓ D. Zero Hour

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Q.120 **In June 2024, Raja Venugopal Naik of Congress won the assembly constituency by-election in which state?**

Ans

✗ A. Maharashtra

✗ B. Telangana

✗ C. Andhra Pradesh

✓ D. Karnataka

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	10/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A hollow spherical shell is made of a metal of density 9 g/cm^3. Its internal and external radius are 10 cm and 13 cm, respectively. What is the weight (in kg) of the shell ?**

$(take\ \pi = \frac{22}{7})$

Ans
- ✗ A. 46.2
- ✓ B. 45.144
- ✗ C. 46.67
- ✗ D. 42.144

Q.2 **Three partners invested in a business in the ratio 6:7:9. They invested their capitals for 7 months, 3 months and 9 months, respectively. What was the ratio of their profits?**

Ans
- ✗ A. 17:7:27
- ✓ B. 14:7:27
- ✗ C. 15:7:27
- ✗ D. 13:7:27

Q.3 **If 40% of k is 10 less than 1200% of 10, then k is:**

Ans
- ✗ A. 235
- ✓ B. 275
- ✗ C. 315
- ✗ D. 255

Q.4 **The price of milk was increased by 15% last year and this year, there is again an increment of 12% in the price. Two years ago, the price was ₹60, now the price of the milk is ₹_____.**

Ans
- ✗ A. 78.72
- ✓ B. 77.28
- ✗ C. 77.82
- ✗ D. 78.27

Q.5 **The sum of 8 numbers is 888. Find their average.**

Ans
- ✓ A. 111
- ✗ B. 110
- ✗ C. 109
- ✗ D. 112

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Q.6 A bus travelling at 56 km/h completes a journey in 16 hours. At what speed will it have to cover the same distance in 8 hours?

Ans

✗ A. 103 km/h

✗ B. 118 km/h

✗ C. 106 km/h

✓ D. 112 km/h

Q.7 In what ratio should sugar costing ₹84 per kg be mixed with sugar costing ₹51 per kg so that by selling the mixture at ₹90.2 per kg, there is a profit of 10%?

Ans

✗ A. 32 : 3

✗ B. 35 : 2

✓ C. 31 : 2

✗ D. 33 : 3

Q.8 A 242 m long train crosses a man walking at a speed of 9.5 km/h in the opposite direction in 24 seconds. What is the speed (in km/h) of the train ?

Ans

✗ A. 22.4

✗ B. 28.3

✓ C. 26.8

✗ D. 23.8

Q.9 The area of a trapezium is 330 cm^2, if the lengths of its parallel sides are 24 cm and 20 cm, find the distance between the parallel sides.

Ans

✗ A. 20 cm

✓ B. 15 cm

✗ C. 10 cm

✗ D. 25 cm

Q.10 Find the volume of a given cone with height of 14 cm and diameter of the circular base of 6 cm. (Use $\pi = \frac{22}{7}$)

Ans

✗ A. 1. 130 cm^3

✗ B. 2. 396 cm^3

✓ C. 3. 132 cm^3

✗ D. 4. 232 cm^3

Q.11 The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 129. Find the average of the remaining two numbers?

Ans

✗ A. 207

✗ B. 187

✗ C. 206

✓ D. 186

Q.12 2 men can complete a piece of work in 15 days while 5 women can do it in 14 days. In how many days can 7 women and 3 men complete it?

Ans

✗ A. 3 days

✓ B. 5 days

✗ C. 8 days

✗ D. 6 days

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Q.13 Find the value of $18^{-13} \div 18^{18} \times 18^{-3}$

Ans
- ✗ A. 1. 18^{-41}
- ✓ B. 2. 18^{-34}
- ✗ C. 3. 18^{-40}
- ✗ D. 4. 18^{-29}

Q.14 Arjun can do a piece of work in 4 hours. Kartik can do it in 48 hours. With the assistance of Ishan, they completed the work in 3 hours. In how many hours can Ishan alone do it?

Ans
- ✗ A. 15
- ✓ B. 16
- ✗ C. 18
- ✗ D. 17

Q.15 Calculate the smallest five-digit number divisible by 9, 11 and 21.

Ans
- ✗ A. 10,830
- ✓ B. 10,395
- ✗ C. 10,385
- ✗ D. 10,390

Q.16 The prices of three items are ₹120, ₹150 and ₹180. On these items, respectively, 20%, 10% and 5% profits are earned. The overall profit on the items is ___%.

Ans
- ✗ A. $8\frac{2}{3}$
- ✗ B. $8\frac{1}{3}$
- ✓ C. $10\frac{2}{3}$
- ✗ D. $10\frac{1}{3}$

Q.17 Train A leaves station M at 7:30 AM and reaches station N at 2:30 PM on the same day. Train B leaves station N at 9:30 AM and reaches station M at 2:30 PM on the same day. Find the time when Trains A and B meet.

Ans
- ✗ A. 1:43 PM
- ✗ B. 11:30 PM
- ✓ C. 11:35 AM
- ✗ D. 7:08 AM

Q.18 A sum of ₹8,000 is invested at an annual interest rate of 12% compounded half-yearly for 2 years. Calculate the compound interest earned at the end of 2 years.(Rounded off to the nearest integer)

Ans
- ✓ A. ₹2,100
- ✗ B. ₹2,280
- ✗ C. ₹2,200
- ✗ D. ₹2,150

Q.19 Evaluate: 41 - [36 - {48 ÷ 2 - (5 - 10 ÷ 2) ÷ 3}]

Ans
- ✗ A. 31
- ✓ B. 29
- ✗ C. 30
- ✗ D. 28

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Q.20 **A pipe A can fill a cistern in 12 hours, while pipe B can fill it in 8 hours. In how much time will the cistern be filled, if both pipes A and B are opened together?**

Ans

✔ A. 4 hours 48 minutes

✘ B. 3 hours 54 minutes

✘ C. 4 hours 12 minutes

✘ D. 3 hours 26 minutes

Q.21 **The population of a small city decreased every year due to water contamination. The present population of the town is 1,39,650. Last year, the migration was 2%, and the year before last, it was 5%. What was the population of the city two years ago?**

Ans

✘ A. 1. 1,55,000

✘ B. 1,25,000

✘ C. 1,45,000

✔ D. 1,50,000

Q.22 **A merchant fixes the sale price of his goods at 90% above the cost price. He sells his goods at 18% discount. His percentage of profit is:**

Ans

✔ A. 55.8%

✘ B. 58.5%

✘ C. 59.6%

✘ D. 53.7%

Q.23 **An article is sold at a profit of 17%. If the selling price is doubled, the profit will be:**

Ans

✘ A. 68%

✔ B. 134%

✘ C. 34%

✘ D. 200%

Q.24 **What is the greatest common divisor of 90, 1020 and 2340?**

Ans

✘ A. 10

✘ B. 45

✘ C. 5

✔ D. 30

Q.25 **The average of first 138 even numbers is**

Ans

✔ A. 139

✘ B. 138.5

✘ C. 140

✘ D. 139.5

Q.26 **Evaluate:**

$$\sqrt{\left(17+\sqrt{\left((56+\sqrt{\left(60+\sqrt{\left(9+\sqrt{(49)}\right)}\right)}\right)}\right)}$$

Ans

✘ A. 4

✔ B. 5

✘ C. 2

✘ D. 8

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Q.27 The simplified value of the expression $\frac{0.75^2 - 0.25^2}{2} \times \frac{2.5^2 - 1.5^2}{4} \times \frac{1}{0.25}$ is ____.

Ans

✔ A. 1

✘ B. −0.5

✘ C. 0.5

✘ D. −1

Q.28 After 56 litres of petrol was poured into an empty storage tank, it was still 10% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?

Ans

✘ A. 61.22

✔ B. 62.22

✘ C. 57

✘ D. 63.22

Q.29 The least number which should be added to 6424 so that the sum is exactly divisible by 8, 9 and 12 is:

Ans

✔ A. 56

✘ B. 36

✘ C. 46

✘ D. 26

Q.30 Two types of rice costing ₹50 per kg and ₹70 per kg are mixed together to make a blend that costs ₹60 per kg. In what ratio should the two types of rice be mixed?

Ans

✘ A. 4 : 3

✘ B. 3 : 2

✘ C. 2 : 3

✔ D. 1 : 1

Q.31 Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Chetan borrowed an amount of ₹420000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Chetan after 2 years.

Ans

✘ A. 22500

✘ B. 20500

✔ C. 21000

✘ D. 22000

Q.32 If the distance between A and B is 1084 Km. From A, Vishal goes to B with speed 104 km/h and return to A with the speed 112 km/h. Find the average speed of Vishal. (rounded off to two decimal place)

Ans

✘ A. 102.18 km/h

✘ B. 110.64 km/h

✘ C. 110.52 km/h

✔ D. 107.85 km/h

Q.33 An amount of ₹968 is divided among three persons in the ratio of 16 : 13 : 15. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans

✘ A. 28

✘ B. 20

✘ C. 85

✔ D. 66

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Q.34 **Find the value of $\frac{62}{4} - 7 \times 2.5 + \sqrt[3]{2197}$.**

Ans

✗ A. 14

✗ B. 12.5

✓ C. 11

✗ D. 9.5

Q.35 **The cost price of 30 articles is the same as the marked price of x articles. If the profit is 20%, then find the value of x.**

Ans

✗ A. 35

✗ B. 30

✓ C. 25

✗ D. 20

Section : **General Intelligence and Reasoning**

Q.36 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

FOR 16, JIV 29, NCZ 42, RWD 55, ?

Ans

✗ A. NQZ 70

✓ B. VQH 68

✗ C. WQI 70

✗ D. NCZ 68

Q.37 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

ADB 1, EHF 4, ILJ 16, MPN 64, ?

Ans

✗ A. QTR 32

✗ B. QTR 128

✗ C. QRT 128

✓ D. QTR 256

Q.38 **Refer to the following series and answer the question (all numbers are single digit numbers only).**

(Left) 3 5 9 7 8 6 6 8 7 2 6 1 4 5 6 2 9 1 1 9 1 (Right)

How many such even digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

Ans

✗ A. Two

✗ B. One

✓ C. Three

✗ D. Four

Q.39 **In a certain code language, 'tea and coffee' is coded as 'nm hg bv' and 'tea is better' is coded as 'mn vb hg'. How is 'tea' coded in the given language?**

Ans

✓ A. hg

✗ B. bv

✗ C. nm

✗ D. vb

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Q.40 **Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. Only R sits to the left of Q. Only four people sit between R and X. Only W sits between S and T, and S is not an immediate neighbour of X. How many people sit between Y and S?**

Ans

✗ A. Four

✗ B. Two

✗ C. One

✓ D. Three

Q.41 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All breads are donuts.
Some donuts are muffins.
No muffin is a fruit.
Conclusions:
(I): No bread is a fruit.
(II): Some muffins are breads.

Ans

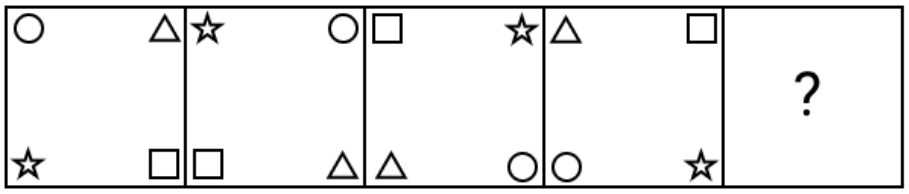
✓ A. Neither conclusion (I) nor (II) follows.

✗ B. Only conclusion (I) follows.

✗ C. Only conclusion (II) follows.

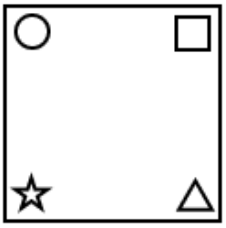
✗ D. Both conclusions (I) and (II) follow.

Q.42

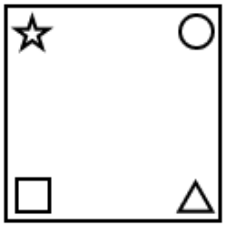


Ans

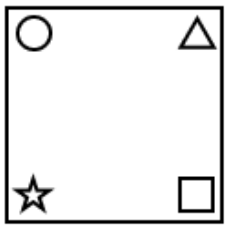
✗ A.



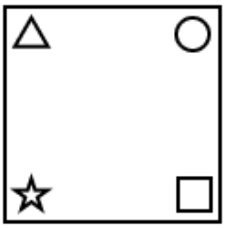
✗ B.



✓ C.



✗ D.



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Q.43 **Mr. Tigiri starts from Point A and drives 16 km towards west. He then takes a left turn, drives 17 km, turns right and drives 18 km. He then takes a right turn and drives 28 km. He takes a final right turn, drives 34 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)**

Ans

✔ A. 11 km to the south

✘ B. 11 km to the north

✘ C. 9 km to the west

✘ D. 9 km to the east

Q.44 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All priests are teachers.
Some priests are singers.

Conclusions:
(I) Some singers are teachers.
(II) Some singers are priests.

Ans

✘ A. Only conclusion (II) follows.

✔ B. Both conclusions (I) and (II) follow.

✘ C. Only conclusion (I) follows.

✘ D. Neither conclusion (I) nor (II) follows.

Q.45 **What is the difference between the number 49 and the number obtained by adding 4 to each digit of 49?**

Ans

✘ A. 760

✔ B. 764

✘ C. 657

✘ D. 789

Q.46 **What should come in place of the question mark (?) in the given series?**

86 94 110 142 ? 334

Ans

✘ A. 204

✘ B. 205

✔ C. 206

✘ D. 208

Q.47 **All 48 people are standing in a row facing North. Sridesh is 31st from the right end while Niraj is 26th from the left end. How many people are there between Sridesh and Niraj?**

Ans

✘ A. 5

✔ B. 7

✘ C. 6

✘ D. 8

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Q.48 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 11, 19)
(7, 12, 21)

Ans
✗ A. (10, 5, 7)
✗ B. (8, 13, 29)
✗ C. (17, 23, 43)
✓ D. (12, 17, 31)

Q.49 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
Some apples are rocks.
Some peanuts are crows.
All rocks are crows.

Conclusions:
(I): Some rocks are peanuts.
(II): Some crows are apples.

Ans
✗ A. Both conclusions (I) and (II) follow.
✗ B. Only conclusion (I) follows.
✗ C. Neither conclusion (I) nor (II) follows.
✓ D. Only conclusion (II) follows.

Q.50 **FOR is related to CLO in a certain way. In the same way, POT is related to MLQ. To which of the following is RUN related, following the same logic?**

Ans
✗ A. QXU
✗ B. UXQ
✓ C. ORK
✗ D. KRO

Q.51 **What should come in place of the question mark (?) in the given series?**

32 36 47 51 62 66 ?

Ans
✗ A. 78
✗ B. 76
✓ C. 77
✗ D. 70

Q.52 **In a certain code language,**
A + B means 'A is the wife of B'
A – B means 'A is the brother of B'
A × B means 'A is the mother of B'
A ÷ B means 'A is the father of B'

Based on the above, how is P related to T if 'P + Q ÷ R – S × T'?

Ans
✗ A. Mother-in-law
✗ B. Granddaughter
✗ C. Mother
✓ D. Grandmother

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Q.53 Select the pair that follows the same pattern as the one followed by the two set of pairs given below. Both pairs follow the same pattern.

BDF : GKK
GIK : LPP

Ans
- ✗ A. JLO : NPQ
- ✓ B. CMJ : HTO
- ✗ C. MQT : QVX
- ✗ D. ADE : EHI

Q.54 Mr. Z starts from Point A and drives 3 km towards the north. He then takes a right turn, drives 2 km, turns right and drives 4 km. He then takes a right turn and drives 5 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

Ans
- ✗ A. 2 km towards the south
- ✗ B. 1 km towards the west
- ✓ C. 3 km towards the east
- ✗ D. 2 km towards the north

Q.55 What should come in place of the question mark (?) in the given series?

57 70.4 88.8 112.2 140.6 ?

Ans
- ✓ A. 174
- ✗ B. 168.8
- ✗ C. 188
- ✗ D. 182.2

Q.56 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

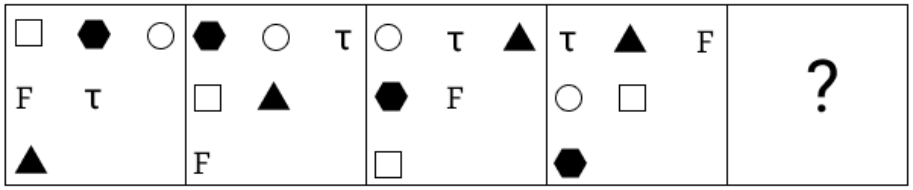
Ans
- ✗ A. HEJN
- ✗ B. KHMQ
- ✗ C. PMRV
- ✓ D. AXCH

Q.57 Y, A, K, S, E, N, and T are sitting around a circular table facing the centre. A sits second to the left of K. S sits second to the right of K. Only one person sits between S and E. T sits second to the right of Y. Only one person sits between E and N. Who sits to the immediate left of E?

Ans
- ✗ A. K
- ✓ B. T
- ✗ C. S
- ✗ D. A

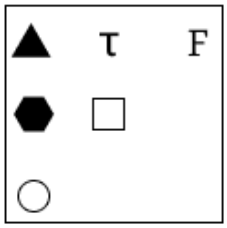
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Q.58

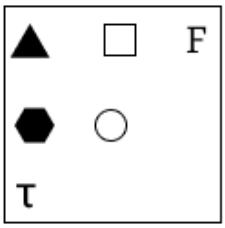


Ans

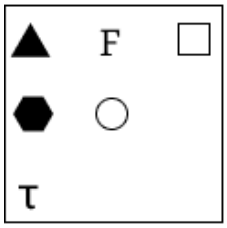
✗ A.



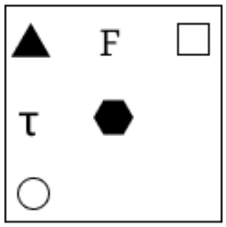
✗ B.



✗ C.



✓ D.



Q.59 **If 1 is added to each even digit and 3 is subtracted from each odd digit in the number 2935874, how many digits will appear more than once in the new number thus formed?**

Ans

✗ A. Three

✓ B. None

✗ C. Two

✗ D. One

Q.60 **EGKN is related to PQVX in a certain way based on the English alphabetical order. In the same way, WUCB is related to HENL. To which of the given options is DYJF related, following the same logic?**

Ans

✗ A. OUPI

✗ B. POIU

✗ C. PIOU

✓ D. OIUP

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Q.61 **This question is based on the five, three-digit numbers given below.**

(Left) 458 652 483 617 456 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans

✗ A. 11

✗ B. 12

✓ C. 7

✗ D. 9

Q.62 **In a certain code language,**
A : B means 'A is the son of B'
A = B means ' A is the wife of B'
A * B means 'A is the brother of B'
A ? B means 'A is the father of B'
Based on the above, how is F related to N if 'F * A : L ? E = N'?

Ans

✗ A. Wife's son

✗ B. Wife's sister

✓ C. Wife's brother

✗ D. Wife's father

Q.63 **Six people T, U, V, W, X, and Y are sitting in a straight row facing north. Only one person sits between W and V when counted from the left of V. Y sits third to the right of V. U sits to the immediate left of X. How many people sit between T and X?**

Ans

✗ A. Four

✗ B. One

✗ C. Three

✓ D. Two

Q.64 **If you subtract the number formed by reversing the digits of 74 from the number 74 itself, what is the result?**

Ans

✓ A. 27

✗ B. 36

✗ C. 12

✗ D. 0

Q.65 **In a certain code language, 'MOTION' is coded as '121345' and 'SLOW' is coded as '1689'. What is the code for 'O' in the given code language?**

Ans

✓ A. 1

✗ B. 4

✗ C. 6

✗ D. 3

Q.66 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) 7 $ % 5 & 8 2 @ 4 & 3 Ω 1 * 9 £ # 6 (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the right?

Ans

✗ A. 3

✗ B. 9

✓ C. 4

✗ D. 2

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Q.67 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. NUB

✓ B. VCI

✗ C. GNU

✗ D. IPW

Q.68 **In a certain code language, 'how was exam' is coded as 'xp or hg' and 'exam is tough' is coded as 'fs xp wl'. How is 'exam' coded in the given language?**

Ans

✓ A. xp

✗ B. hg

✗ C. or

✗ D. fs

Q.69 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

PRU NPS LNQ JLO ?

Ans

✗ A. HJN

✗ B. HIM

✗ C. HIN

✓ D. HJM

Q.70 **Eden ranked 21st from the bottom and 14th from the top in his class. How many students are there in his class?**

Ans

✗ A. 32

✓ B. 34

✗ C. 31

✗ D. 33

Section : **General Awareness**

Q.71 **What has been a major environmental challenge linked to globalisation in India?**

Ans

✗ A. Reduction in industrialisation

✗ B. Increase in deforestation laws

✓ C. Pollution and overuse of natural resources

✗ D. Decrease in foreign investments due to regulations

Q.72 **Which commander in chief of British army captured Lucknow during the revolt of 1857?**

Ans

✗ A. Colonel Oncell

✗ B. General Hugh Rose

✓ C. Sir Colin Campbell

✗ D. William Taylor and Eye

Q.73 **Which of the following is the main purpose of focusing on human development?**

Ans

✗ A. To promote economic growth only

✗ B. To improve trade relations

✓ C. To ensure that individuals lead healthy, educated and productive lives

✗ D. To increase industrialisation

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Q.74 **Which of the following Articles states that the Chief Minister shall communicate to the Governor all decisions of the Council of Ministers?**

Ans

✗ A. Article 164

✗ B. Article 168

✓ C. Article 167

✗ D. Article 163

Q.75 **Right to Education is contained in which of the following Articles of the Indian Constitution?**

Ans

✗ A. Article 51 A

✓ B. Article 21 A

✗ C. Article 17

✗ D. Article 19

Q.76 **The Union cabinet in September 2024 approved Chandrayaan-4 and _____.**

Ans

✗ A. Jupiter Orbiter Mission

✗ B. Neptune Orbiter Mission

✓ C. Venus Orbiter Mission

✗ D. Mars Orbiter Mission

Q.77 **Who among the following gave sharp criticism of imperialism, termed as 'drain of wealth', which was a milestone in the mainstream Indian independence movement?**

Ans

✗ A. Zakir Husain

✓ B. Dadabhai Naoroji

✗ C. Bhimrao Ramji Ambedkar

✗ D. Chakravarti Rajagopalachari

Q.78 **Which of the following waterways of India is navigable by mechanical boats up to Patna and by ordinary boats up to Haridwar?**

Ans

✓ A. National Waterway 1 (NW 1)

✗ B. National Waterway 4 (NW 4)

✗ C. National Waterway 3 (NW 3)

✗ D. National Waterway 2 (NW 2)

Q.79 **In September 2024, who was elected as the Chief Minister of Delhi?**

Ans

✗ A. Manish Sisodia

✗ B. Virender Jain

✓ C. Atishi Marlena

✗ D. Arvind Kejriwal

Q.80 **Which law or principle explains the connection between fluid velocity and pressure in a moving fluid?**

Ans

✓ A. Bernoulli's Principle

✗ B. Pascal's Law

✗ C. Boyle's Law

✗ D. Archimedes' Principle

Q.81 **Kanuma festival is celebrated on which day of Sankranti by Hindus in the south Indian states, especially in Andhra Pradesh and Telangana?**

Ans

✗ A. Seventh

✗ B. Second

✗ C. Fifth

✓ D. Third

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Q.82 **On which date did the Constituent Assembly give the third reading of the Constitution?**

Ans

✗ A. 29 August 1947

✓ B. 26 November 1949

✗ C. 17 October 1949

✗ D. 14 November 1949

Q.83 **What was the primary strategy adopted by the Indian government in the 1950s for economic development?**

Ans

✗ A. Encouraging private sector growth in basic and heavy industries

✓ B. Rapid industrialisation through centrally prepared five-year plans

✗ C. Focusing on agricultural expansion and crop yield improvement

✗ D. Developing the agricultural sector as the foundation of the economy

Q.84 **The Indian Councils Act, 1861, initiated the process of decentralisation by restoring legislative powers to which provinces?**

Ans

✓ A. Bombay and Madras

✗ B. Bihar and Orissa

✗ C. United Provinces and Assam

✗ D. Punjab and Bengal

Q.85 **SBI's loan loss provisions increased by how much percentage in Q3 FY24 year-over-year?**

Ans

✗ A. 13.02%

✗ B. 36.05%

✓ C. 10.75%

✗ D. 35.5%

Q.86 **In which country was the 44th session of the Codex Committee on Nutrition and Foods for Special Dietary Uses (CCNFSDU) held from 2 October to 6 October 2024?**

Ans

✗ A. Peru

✗ B. Canada

✓ C. Germany

✗ D. New Zealand

Q.87 **What was the year-on-year (Y-o-Y) growth in HDFC Bank's total deposits as of Q2 FY25?**

Ans

✗ A. 10%

✗ B. 5%

✓ C. 15%

✗ D. 20%

Q.88 **In October 2024, the Indian Army's Sudarshan Chakra Corps conducted the 'Swavlamban Shakti' Exercise in which state?**

Ans

✗ A. Madhya Pradesh

✗ B. Bihar

✗ C. Haryana

✓ D. Uttar Pradesh

Q.89 **Which of the following is a traditional hornpipe instrument of Assam made from buffalo horn?**

Ans

✗ A. Khol

✓ B. Pepa

✗ C. Pongi

✗ D. Chang

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Q.90 **Which of the following banks appointed Amitava Chatterjee as its Managing Director and Chief Executive Officer, effective 30 December 2024?**

Ans

✔ A. Jammu & Kashmir Bank

✘ B. Punjab National Bank

✘ C. State Bank of India

✘ D. ICICI Bank

Q.91 **When was the Appellate Tribunal for Electricity established in India?**

Ans

✘ A. 2009

✘ B. 2003

✔ C. 2005

✘ D. 2002

Q.92 **Padma Awards 2024 were conferred to how many women awardees by the President of India?**

Ans

✘ A. 36

✔ B. 30

✘ C. 20

✘ D. 28

Q.93 **The famous 'Sam Sand Dunes' region is located in which state of India?**

Ans

✘ A. Gujarat

✘ B. Punjab

✔ C. Rajasthan

✘ D. Haryana

Q.94 **SONAR technology utilises sound energy for navigation, particularly in underwater environments. What does the acronym 'SONAR' represent?**

Ans

✘ A. Sound Organized Navigation And Ranging

✘ B. Sound Oscillation Navigation And Ranging

✔ C. SOund Navigation And Ranging

✘ D. Sound Observational Navigation And Ranging

Q.95 **What is the projected fiscal deficit for the financial year 2024-25, as per the Union Budget?**

Ans

✘ A. 3.9%

✘ B. 4.5%

✔ C. 5.1%

✘ D. 4.9%

Q.96 **What is rural development?**

Ans

✔ A. Improving the quality of life and economic well-being of people living in rural areas

✘ B. Development of urban infrastructure

✘ C. Shifting rural people to urban areas

✘ D. Industrialisation of rural areas

Q.97 **Which of the following groups of states is part of the Great Indian Desert?**

Ans

✘ A. Gujarat, Punjab, Haryana and Maharashtra

✘ B. Rajasthan, Gujarat, Madhya Pradesh and Uttar Pradesh

✘ C. Punjab, Haryana, Rajasthan and Madhya Pradesh

✔ D. Rajasthan, Gujarat, Punjab and Haryana

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Q.98 **Which of the following does NOT come in the Ghan Vadya category?**

Ans

✗ A. Gurki

✗ B. Gedi

✗ C. Dandia

✓ D. Harmonium

Q.99 **What role does the Economic Survey 2024 attribute to the tripartite compact in achieving India's development goals?**

Ans

✓ A. Ensures cooperation between central, state governments and private sector

✗ B. Reduces foreign influence

✗ C. Increases government power

✗ D. Focuses on self-reliance

Q.100 **Who is the author of the biography 'Manoj Bajpayee: The Definitive Biography', published in March 2024?**

Ans

✗ A. Mukesh Manjunath

✗ B. Tanuja Chaturvedi

✗ C. Anustup Basu

✓ D. Piyush Pandey

Q.101 **In the context of inheritance of sex chromosomes in humans, which of the following statements is correct?**

Ans

✗ A. All children inherit an X chromosome from their father, and the sex is determined by the chromosome inherited from their mother.

✗ B. All children inherit a Y chromosome from their father, and the sex is determined by the chromosome inherited from their mother.

✓ C. All children inherit an X chromosome from their mother, and the sex is determined by the chromosome inherited from their father.

✗ D. All children inherit a Y chromosome from their mother, and the sex is determined by the chromosome inherited from their father.

Q.102 **When was the National Green Tribunal established in India?**

Ans

✗ A. 2005

✗ B. 2003

✓ C. 2010

✗ D. 2014

Q.103 **The Terai region is best known for:**

Ans

✓ A. rich forest cover and marshy land

✗ B. dry soil and sparse vegetation

✗ C. salt pans

✗ D. rocky terrain

Q.104 **Which of the following is India's longest national waterway?**

Ans

✗ A. National Waterway 4 (NW 4)

✗ B. National Waterway 2 (NW 2)

✓ C. National Waterway 1 (NW 1)

✗ D. National Waterway 3 (NW 3)

Q.105 **The Indian National Congress session of 1905 took place in ____.**

Ans

✗ A. Lucknow

✗ B. Calcutta

✗ C. Madras

✓ D. Banaras

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Q.106 **Which of the following vector quantities has the same dimensions as of the scalar quantity 'work'?**

Ans

✗ A. Angular momentum

✗ B. Gravitational constant

✓ C. Torque

✗ D. Force

Q.107 **Who was the last ruler of the Sayyid dynasty?**

Ans

✗ A. Khizr Khan

✓ B. Alauddin Alam Shah

✗ C. Mubarak Shah

✗ D. Muhammad Shah

Q.108 **The Water (Prevention and Control of Pollution) Amendment Bill, 2024, will initially apply to how many states?**

Ans

✗ A. 5

✓ B. 2

✗ C. 1

✗ D. 4

Q.109 **Under which Article of the Indian Constitution can the President of India seek the advisory opinion of the Supreme Court?**

Ans

✓ A. Article 143

✗ B. Article 129

✗ C. Article 148

✗ D. Article 141

Q.110 **The element _____ is commonly used in aircraft construction.**

Ans

✓ A. Titanium

✗ B. Zirconium

✗ C. Hafnium

✗ D. Osmium

Q.111 **The National Rural Employment Programme (NREP) was launched during which of the following five year plans?**

Ans

✗ A. 1. 8th Five Year Plan

✓ B. 2. 6th Five Year Plan

✗ C. 3. 5th Five Year Plan

✗ D. 4. 7th Five Year Plan

Q.112 **The Simhastha Kumbh Mela festival at Ujjain is celebrated on the banks of river ____.**

Ans

✓ A. Shipra

✗ B. Betwa

✗ C. Narmada

✗ D. Kuno

Q.113 **What ideology did the extremists strongly oppose within the Indian National Congress?**

Ans

✗ A. Nationalism

✗ B. Self-governance

✓ C. Gradualism

✗ D. Swadeshi

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Q.114 When was the Battle of Kanauj fought?

Ans

✗ A. 1556

✓ B. 1540

✗ C. 1567

✗ D. 1526

Q.115 The British adopted which of the following policies with respect to landlords and zamindars after the Revolt of 1857?

Ans

✗ A. The policy of confiscation of property

✗ B. The policy of land redistribution

✗ C. The policy of land nationalisation

✓ D. Policies that protected their rights and provided security over their lands

Q.116 Which Indian state is the leader in solar power generation with its largest installed capacity?

Ans

✗ A. Gujarat

✓ B. Rajasthan

✗ C. Karnataka

✗ D. Tamil Nadu

Q.117 Which of the following promotes cross-border movement of resources?

Ans

✗ A. Tariffs

✗ B. Import restrictions

✗ C. Quotas

✓ D. Foreign direct investment

Q.118 Which desert is known as the Great Indian Desert?

Ans

✗ A. Sahara Desert

✗ B. Gobi Desert

✓ C. Thar Desert

✗ D. Arabian Desert

Q.119 How many medals and Medallions of Excellence were won by India at WorldSkills Lyon 2024 in France?

Ans

✓ A. 16

✗ B. 4

✗ C. 12

✗ D. 8

Q.120 Which of the following is the name of the new high-quality malaria vaccine, developed by the Serum Institute of India and the University of Oxford, rolled out in Africa from July 2024?

Ans

✗ A. R22

✗ B. R20

✗ C. R24

✓ D. R21

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	11/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **X invested ₹m for simple interest at 10% rate of interest per annum for 4 years, and Y invested ₹2,000 more than X for compound interest at 20% rate of interest per annum for 2 years. The ratio of the interest obtained by X and Y is 10 : 33, respectively. Find the investment of X.**

Ans
- ✔ A. ₹1000
- ✘ B. ₹4,000
- ✘ C. ₹3,000
- ✘ D. ₹2,000

Q.2 **The monthly incomes of two friends Sachin and Chetan, are in the ratio 5 : 7 respectively and each of them saves ₹96000 every month. If the ratio of their monthly expenditure is 2 : 3, find the monthly income of Sachin(in ₹).**

Ans
- ✔ A. 480000
- ✘ B. 479000
- ✘ C. 481000
- ✘ D. 672000

Q.3 **Deepak was given an increment of 12% on his salary. His new salary is ₹76,720. What was his salary before the increment?**

Ans
- ✘ A. ₹69,000
- ✔ B. ₹68,500
- ✘ C. ₹69,300
- ✘ D. ₹68,850

Q.4 **In a race, an athlete covers a distance of 336 m in 168 sec in the first lap. He covers the second lap of the same length in 56 sec. What is the average speed (in m/sec) of the athlete?**

Ans
- ✔ A. 3
- ✘ B. 10
- ✘ C. 12
- ✘ D. 1

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Q.5 **A person can complete a journey in 13 hours. He covers the first one-third part of the journey at the rate of 24 km/h and the remaining distance at the rate of 60 km/h. What is the total distance of his journey?**

Ans

✗ A. 516 km

✗ B. 525 km

✓ C. 520 km

✗ D. 513 km

Q.6 **A sum, when invested at 10% simple interest per annum, amounts to ₹4800 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?**

Ans

✗ A. 400

✗ B. 1600

✗ C. 3200

✓ D. 800

Q.7 **Find the value of** $\left(\frac{1}{3}\right)^{-3} + \left(\frac{1}{9}\right)^{-3} + \left(\frac{1}{4}\right)^{-3}$.

Ans

✓ A. 820

✗ B. 823

✗ C. 824

✗ D. 814

Q.8 $97^{83} - 1$ when divided by 96 would leave a reminder

Ans

✓ A. 3

✗ B. 1

✗ C. 2

✗ D. 0

Q.9 **Simplify the given expression.**

$: 45 \times \frac{3}{5} \div \frac{0.3}{2.5}$

Ans

✗ A. 22.5

✗ B. 2250

✓ C. 225

✗ D. 2.25

Q.10 **The average of the marks of 14 students in a class is 60. If the marks of each student are doubled, find the new average?**

Ans

✓ A. 120

✗ B. 28

✗ C. 14

✗ D. 60

Q.11 **A number when increased by 50 %', gives 2610. The number is:**

Ans

✗ A. 3480

✗ B. 5220

✗ C. 870

✓ D. 1740

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Q.12 A cylindrical rod has an outer curved surface area of 4500 cm^2. If the length of the rod is 62 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$Take\ \pi = \frac{22}{7}$

Ans

✗ A. 11.63

✗ B. 13.22

✗ C. 11.12

✓ D. 11.55

Q.13 The total surface area of a cuboid is 174 cm^2. If its length and breadth are 3 cm and 5 cm, respectively, then what is the ratio of its length to its height?

Ans

✗ A. 1 : 4

✗ B. 2 : 3

✓ C. 1 : 3

✗ D. 1 : 2

Q.14 Find the area of an equilateral triangle whose side is 3.1 cm.

Ans

✗ A. $(3.4325)\ cm^2$

✗ B. $(2.3025)\sqrt{3}\ cm^2$

✗ C. $(4.4325)\ cm^2$

✓ D. $(2.4025)\sqrt{3}\ cm^2$

Q.15 8 men can complete a piece of work in 12 days while 4 women can do it in 16 days. In how many days can 8 women and 4 men complete it?

Ans

✓ A. 6 days

✗ B. 7 days

✗ C. 9 days

✗ D. 11 days

Q.16 The marked price of a jacket is ₹3,000. A shop offers a 10% discount, but during a sale, they offer an additional 5% discount on the already discounted price. What is the final price of the jacket after both discounts?

Ans

✗ A. ₹2,550

✓ B. ₹2,565

✗ C. ₹2,700

✗ D. ₹2,400

Q.17 Krish can do a piece of work in 3 hours. Moksh can do it in 24 hours. With the assistance of Nitin, they completed the work in 2 hours. In how many hours can Nitin alone do it?

Ans

✗ A. 10

✗ B. 9

✓ C. 8

✗ D. 7

Q.18 A town had 1,60,000 inhabitants in 2021. Its population declines at a rate of 5% per annum. What will be its population in 2024?

Ans

✗ A. 1,00,000

✗ B. 1,16,640

✓ C. 1,37,180

✗ D. 99,000

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Q.19 $The\ value\ of\ \left(\frac{4096}{9}\right)^{-\left(\frac{3}{2}\right)} \times \left(\frac{4}{3}\right)^{3} \div \sqrt[4]{(256)^{-3}}\ \ is:$

Ans
- ✗ A. $\frac{1}{58}$
- ✗ B. $\frac{1}{54}$
- ✗ C. $\frac{1}{56}$
- ✓ D. $\frac{1}{64}$

Q.20 **An Uber auto covers a distance of 322 km in 46 hours. What is its speed in km/h?**

Ans
- ✓ A. 7
- ✗ B. 2
- ✗ C. 9
- ✗ D. 11

Q.21 **The marked price of an Ajrakh saree is ₹3,600. During the festive season sale, it is sold for ₹3,150. Determine the discount percentage.**

Ans
- ✓ A. 12.5%
- ✗ B. 11%
- ✗ C. 10%
- ✗ D. 13.5%

Q.22 **Ramesh bought an old type writer for ₹4,800 and spent ₹700 on its repair. He sold it for ₹6,200. Find his profit percentage (corrected to two places of decimals).**

Ans
- ✗ A. 12.09%
- ✓ B. 12.73%
- ✗ C. 10.23%
- ✗ D. 11.33%

Q.23 **In what ratio should sugar costing ₹24 per kg be mixed with sugar costing ₹47 per kg so that by selling the mixture at ₹42.9 per kg, there is a profit of 30%?**

Ans
- ✗ A. 8 : 15
- ✓ B. 14 : 9
- ✗ C. 7 : 15
- ✗ D. 10 : 13

Q.24 **Ishaan has to reach Kolkata which is 737 km away in 21 hours. His starting speed for 7 hours was 49 km/hr. For the next 184 km his speed was 46km/hr. By what speed he must travel now so as to reach Kolkata in decided time of 21hours?**

Ans
- ✗ A. 18 km/hr
- ✗ B. 23 km/hr
- ✓ C. 21 km/hr
- ✗ D. 17 km/hr

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Q.25 **Three workers, X, Y and Z, can finish a job in 6 days, 9 days and 18 days, respectively. How long will it take them to finish the job if they all work together?**

Ans

✗ A. 7 days

✓ B. 3 days

✗ C. 11 days

✗ D. 15 days

Q.26 **The ages of Ritika and Animesh are in the ratio of 7 : 9 respectively. After 6 years the ratio of their ages will be 4 : 5. What is the difference in their present ages?**

Ans

✗ A. 7

✗ B. 24

✗ C. 26

✓ D. 12

Q.27 **The average of first 114 even numbers is**

Ans

✗ A. 114.5

✗ B. 115.5

✓ C. 115

✗ D. 116

Q.28 **Find the mean proportional of 44 and 11?**

Ans

✓ A. 22

✗ B. 19

✗ C. 24

✗ D. 25

Q.29 **Chetan bought 52 books for Rs 1125 from one shop and 48 books for Rs 925 from another. What is the average price (in Rs) he paid per book ?**

Ans

✗ A. 22.5

✓ B. 20.5

✗ C. 23.5

✗ D. 21.5

Q.30 **In what ratio should sugar costing ₹10 per kg be mixed with sugar costing ₹86 per kg so that by selling the mixture at ₹83.2 per kg, there is a profit of 30%?**

Ans

✗ A. 55 : 23

✓ B. 22 : 54

✗ C. 56 : 24

✗ D. 53 : 23

Q.31 If $\frac{188}{0.0188} = \frac{18.8}{x}$, then find x.

Ans

✗ A. $\frac{1.88}{100000}$

✗ B. $\frac{18.8}{100000}$

✓ C. fraction numerator 0.188 over denominator 1000 end fraction

✗ D. $\frac{0.188}{1000}$

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Q.32 **At a traffic signal, a red light flashes two times per minute and a green light flashes six times in five minutes at regular intervals. If both the lights start flashing at the same time, how many times do they flash together in each hour?**

Ans

✗ A. 28

✓ B. 24

✗ C. 2

✗ D. 20

Q.33 $18 \times \left(12 \times (1^2)\right) \div 3 + 20 - 84$

Ans

✗ A. 14

✗ B. 2

✓ C. 8

✗ D. 18

Q.34 **Find the HCF of 28, 38 and 68.**

Ans

✓ A. 2

✗ B. 12

✗ C. 4

✗ D. 8

Q.35 **A merchant sells 120 metres of cloth and gains the selling price of 27 metres. Find the gain percentage (rounded off to the nearest integer).**

Ans

✗ A. 32%

✓ B. 29%

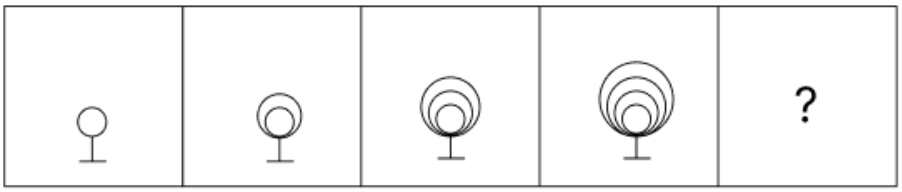
✗ C. 26%

✗ D. 30%

Section : **General Intelligence and Reasoning**

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Q.36

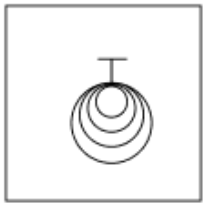


Ans

✔ A.



✘ B.



✘ C.



✘ D.



Q.37 **In a certain code language, 'TXKF' is coded as 'E#OP' and 'KAFT' is coded as 'O#RE'. What is the code for 'A' in the given code language?**

Ans

✔ A. R

✘ B. O

✘ C. #

✘ D. E

Q.38 **Bristi is ranked 12th from the top and 31st from the bottom in her class. How many students are there in the class?**

Ans

✘ A. 43

✔ B. 42

✘ C. 41

✘ D. 44

Q.39 **Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)**

(Left) 3 5 9 7 4 2 5 7 6 3 2 4 6 5 4 1 9 8 7 8 4 5 1 3 4 2 (Right)

How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✔ A. Three

✘ B. One

✘ C. Four

✘ D. Two

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Q.40 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TVO RTM PRK NPI ?

Ans

✗ A. LMH

✓ B. LNG

✗ C. LMG

✗ D. LNH

Q.41 If A stands for '+', B stands for '−', C stands for '×' and D stands for '÷', what will come in place of the question mark (?) in the following equation?

8 D 4 C 6 D 2 B 6 A 2 = ?

Ans

✗ A. 14

✗ B. 8

✓ C. 2

✗ D. 20

Q.42 In a certain code language, 'my little brother' is coded as 'jk yu qw' and 'brother and me' is coded as 'wq jk uy'. How is 'brother' coded in the given language?

Ans

✗ A. uy

✓ B. jk

✗ C. qw

✗ D. wq

Q.43 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. B sits third to the left of E. G is the immediate neighbour of F and A. C sits second to the left of A. How many people sit between D and F when counted from the left of F?

Ans

✗ A. Three

✗ B. Five

✗ C. Two

✓ D. Four

Q.44 In a certain code language,
'A = B' means 'A is the sister of B',
'A $ B' means 'A is the brother of B',
'A @ B' means 'A is the wife of B' and
'A * B' means 'A is the father of B'.

How is W related to D if 'W = P $ H @ F * D'?

Ans

✗ A. Mother's mother

✗ B. Mother

✓ C. Mother's sister

✗ D. Sister

Q.45 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

EDX 26, HGS 15, ?, NMI -7, QPD -18

Ans

✓ A. KJN 4

✗ B. JLK 6

✗ C. NJO 4

✗ D. HKL 7

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Q.46 **APPLE is related to YNNJC in a certain way based on the English alphabetical order. In the same way, ORANGE is related to MPYLEC. To which of the following is GUAVA related, following the same logic?**

Ans

✗ A. HVBWB

✗ B. FTZUZ

✗ C. UGVAA

✓ D. ESYTY

Q.47 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
36 - 7 - 5
2 - 1 - 1

Ans

✗ A. 5 - 3 - 2

✗ B. 10 - 3 - 2

✗ C. 6 - 3 - 2

✓ D. 4 - 3 - 1

Q.48 **In a certain code language, 'BEST' is coded as '4781' and 'BEDS' is coded as '8157'. What is the code for 'D' in the given code language?**

Ans

✓ A. 5

✗ B. 1

✗ C. 8

✗ D. 7

Q.49 **What should come in place of the question mark (?) in the given series?**
2, 3, 6, 11, ?, 27

Ans

✓ A. 18

✗ B. 19

✗ C. 21

✗ D. 20

Q.50

M

B 5 n T e 2

N

Ans

✓ A. 2 e T n 5 B

✗ B. 2 e ⊥ n 5 B

✗ C. Z e T n 5 B

✗ D. Z e T n 5 B

Q.51 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

SIG : WMK
ING : MRK

Ans

✗ A. SYM : WCI

✓ B. VHK : ZLO

✗ C. GRC : KNG

✗ D. MDE : QAI

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Q.52 **In a certain code language,**

'A # B' means 'A is the father of B',
'A ! B' means ' A is the brother of B',
'A @ B' means 'A is the sister of B' and
'A ÷ B' means 'A is the wife of B'.

How is R related to Y if 'R @ S ! T ÷ X # Y'?

Ans
- ✗ A. Mother's mother
- ✓ B. Mother's sister
- ✗ C. Mother's brother
- ✗ D. Mother's son

Q.53 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All engines are bats.
All mangoes are bats.

Conclusions:
(I) : Some mangoes are engines.
(II) : All engines are mangoes.

Ans
- ✗ A. Only conclusion (II) follows
- ✗ B. Only conclusion (I) follows
- ✓ C. Neither conclusion (I) nor (II) follows
- ✗ D. Both conclusions (I) and (II) follow

Q.54 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans
- ✗ A. OSM
- ✗ B. QUO
- ✗ C. MQK
- ✓ D. MLE

Q.55 **Select the term from among the given options that can replace the question mark (?) in the following series.**

LO33 KN45 JM57 IL69 ?

Ans
- ✓ A. HK81
- ✗ B. HL81
- ✗ C. HL82
- ✗ D. HK82

Q.56 **What should come in place of the question mark (?) in the given series?**

31 44 61 80 103 132 ?

Ans
- ✗ A. 169
- ✗ B. 183
- ✓ C. 163
- ✗ D. 196

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Q.57 **Each group of letters in the following triads is related to the subsequent one following a certain logic. Select the option in which the triad follows the same logic.**

ROAD - OADR - RADO
HALO - ALOH - HLOA

Ans

✗ A. SAME - AMSE - SMAE

✗ B. TEAR - EART - TAER

✗ C. MEAN - NEAM - NAEM

✓ D. WALE - ALEW - WLEA

Q.58 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
No lemon is an orange.
No orange is a grapefruit.
No orange is a mandarin.
Conclusions:
(I): No lemon is a grapefruit.
(II): Some mandarins are grapefruits.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Only conclusion (II) follows.

✗ C. Only conclusion (I) follows.

✓ D. Neither conclusion (I) nor (II) follows.

Q.59 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✓ A. FLG

✗ B. DJP

✗ C. LRX

✗ D. OUA

Q.60 **Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only five people sit between G and F. Only three people sit to the right of A. C sits to the left of A but right of D. E sits to the right of B but left of G.**
How many people sit to the right of B?

Ans

✗ A. One

✗ B. Three

✗ C. Four

✓ D. Two

Q.61 **What should come in place of the question mark (?) in the given series?**

840 850 859 867 874 ?

Ans

✗ A. 881

✓ B. 880

✗ C. 878

✗ D. 879

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Q.62 **L, M, N, O, P, Q, and R are sitting around a circular table facing the centre. P sits third to the left of O. Q sits second to the left of L. Only O sits between M and Q. R is not an immediate neighbour of P. How many people sit between N and Q when counted from the right of N?**

Ans

✔ A. One

✘ B. Three

✘ C. Two

✘ D. Four

Q.63 **If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then the resultant of which of the following would be 50?**

Ans

✘ A. 16 C 4 D 8 A 2 D 18

✘ B. 16 A 4 D 8 C 2 B 18

✔ C. 16 B 4 C 8 A 2 D 18

✘ D. 16 B 4 D 8 A 2 C 18

Q.64 **What should come in place of the question mark (?) in the given series?**

2005, 1805, 1625, 1463, 1317, ?

Ans

✘ A. 1187

✔ B. 1185

✘ C. 1186

✘ D. 1216

Q.65 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) # / 4 6 3 + 9 8 9 # 1 * 6 ? # / 7 # * 4 9 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another symbol?

Ans

✘ A. One

✔ B. Two

✘ C. Three

✘ D. None

Q.66 **Rohan starts from Point A and drives 6 km towards the south. He then takes a right turn, drives 16 km, turns right and drives 2 km. He then takes a right turn and drives 9 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)**

Ans

✔ A. 7 km towards the east

✘ B. 9 km towards the north

✘ C. 9 km towards the south

✘ D. 7 km towards the west

Q.67 **V, A, L, U, E and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. L lives on an even numbered floor but not on floor number 4. Only two people live between L and V. U lives on an odd numbered floor but not on the lowermost floor. Only two people live between U and E. S lives immediately below U. How many people live between A and S?**

Ans

✔ A. Two

✘ B. Three

✘ C. Four

✘ D. One

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Q.68 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
No wasps are lizards.
All ants are wasps.

Conclusions:
(I) : Some wasps are ants.
(II) : No lizards are ants.

Ans
- ✔ A. Both conclusions (I) and (II) follow
- ✘ B. Only conclusion (I) follows
- ✘ C. Only conclusion (II) follows
- ✘ D. Neither conclusion (I) nor (II) follows

Q.69 **Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)**

(Left) 4 6 7 1 4 2 5 9 4 6 2 9 3 5 1 3 8 7 6 7 9 5 2 1 7 4 (Right)

How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

Ans
- ✘ A. Three
- ✔ B. One
- ✘ C. Two
- ✘ D. Four

Q.70 **Mr. Tqr starts from Point A and drives 19 km towards South. He then takes a right turn, drives 31 km, turns right and drives 5 km. He then takes a right turn and drives 8 km. He then takes a right turn, drives 5 km, turns left and drives 14 km. He takes a final left turn, drives 19 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans
- ✘ A. 9 km to the North
- ✔ B. 9 km to the East
- ✘ C. 9 km to the South
- ✘ D. 9 km to the West

Section : **General Awareness**

Q.71 **Under The Water (Prevention and Control of Pollution) Amendment Bill, 2024, what is the penalty imposed on violators of the provisions mentioned in the Bill?**

Ans
- ✘ A. Between ₹10,000 and ₹10 lakh
- ✔ B. Between ₹10,000 and ₹15 lakh
- ✘ C. Between ₹50,000 and ₹15 lakh
- ✘ D. Between ₹5,000 and ₹5 lakh

Q.72 **In which year did the government establish a new institution called NITI Aayog in place of the Planning Commission?**

Ans
- ✘ A. 2019
- ✔ B. 2015
- ✘ C. 2017
- ✘ D. 2021

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Q.73 **Which part of the Indian Constitution, added by the 42nd Amendment, deals with tribunals?**

Ans

✗ A. Part IXB

✗ B. Part XVI

✗ C. Part X-A

✓ D. Part XIV-A

Q.74 **What is the coastal zone located in the western part of India, along the Arabian Sea and south of Goa, known as?**

Ans

✓ A. Malabar coast

✗ B. Coromandel coast

✗ C. Konkan coast

✗ D. Sunderbans

Q.75 **An area with a population of over 1 million is classified as a _____.**

Ans

✗ A. district town

✗ B. suburban area

✓ C. metropolitan city

✗ D. mega city

Q.76 **The Shanan power project is located in which of the following Indian states?**

Ans

✓ A. Himachal Pradesh

✗ B. Haryana

✗ C. Uttarakhand

✗ D. Punjab

Q.77 **Apart from English, how many Indian languages does the AI model 'Sarvam-1' support as of October 2024?**

Ans

✗ A. 5

✗ B. 8

✗ C. 13

✓ D. 10

Q.78 **The Thar Desert extends into which neighbouring country of India?**

Ans

✓ A. Pakistan

✗ B. Bangladesh

✗ C. Nepal

✗ D. Bhutan

Q.79 **When was Awadh brought under the control of the Britishers after the uprising of the First War of Independence?**

Ans

✓ A. 1858

✗ B. 1857

✗ C. 1860

✗ D. 1859

Q.80 **What was the average monthly income of rural households in India, as reported by the NABARD All India Rural Financial Inclusion Survey (NAFIS) 2021-22, released in October 2024?**

Ans

✗ A. ₹14,000

✓ B. ₹12,698

✗ C. ₹10,500

✗ D. ₹11,059

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Q.81 **The next Kumbh Mela, commemorated every 12 years at the Sangam, also known as Tirtharaj or the 'King of Tirthas,' is scheduled to take place in 2025. In which of the following cities will the 2025 Kumbh Mela be held?**

Ans
- ✗ A. Varanasi
- ✗ B. Ujjain
- ✓ C. Prayagraj
- ✗ D. Haridwar

Q.82 **What was the average monthly GST collection in India for the 2023-24 fiscal year?**

Ans
- ✗ A. ₹2 lakh crore
- ✓ B. ₹1.68 lakh crore
- ✗ C. ₹1.5 lakh crore
- ✗ D. ₹2.5 lakh crore

Q.83 **Tilak believed that political rights could only be achieved through:**

Ans
- ✗ A. table talk
- ✓ B. courageous action (strong pressure)
- ✗ C. diplomatic discussions
- ✗ D. persuasion

Q.84 **The last ruler of the Maurya Empire was killed by whom?**

Ans
- ✓ A. Pushyamitra Shunga
- ✗ B. Vishnugupta Candraditya
- ✗ C. Avanti Varman
- ✗ D. Ashoka

Q.85 **Which of the following best represents the cyclotron frequency of a charged particle in a magnetic field?**

Ans
- ✓ A. The frequency at which the charged particle undergoes circular motion in the magnetic field due to the Lorentz force acting on it
- ✗ B. The frequency at which the charged particle experiences collisions with other particles
- ✗ C. The frequency at which the charged particle emits electromagnetic radiation
- ✗ D. The frequency at which the charged particle rotates about an axis passing through its centre

Q.86 **Appeals from the judgments of a Family Court under the Family Courts Act, 1984, lie to which court?**

Ans
- ✗ A. District Court
- ✓ B. High Court
- ✗ C. Supreme Court of India
- ✗ D. Family Court Tribunal

Q.87 **The Fifth Five Year Plan in India aimed for:**

Ans
- ✗ A. employment generation
- ✓ B. eradication of poverty
- ✗ C. promotion of cottage industries
- ✗ D. industrial growth

Q.88 **Who led the revolt of 1857 in the city of Farrukhabad?**

Ans
- ✗ A. Mohammad Khan
- ✓ B. Tafazzul Hussain Khan
- ✗ C. Abdul Ali Khan
- ✗ D. Khan Bahadur Khan

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Q.89 **According to the Economic Survey 2023-24 presented in Parliament on 22 July, what position does India now rank globally in market capitalisation to GDP ratio?**

Ans

✗ A. 1. 7th

✓ B. 2. 5th

✗ C. 3. 3rd

✗ D. 4. 11th

Q.90 **Who among the following claimed his sixth Norway Chess title at the 12th edition of the Norway Chess super-tournament that concluded on 7 June, 2024?**

Ans

✗ A. Gukesh D

✓ B. Magnus Carlsen

✗ C. Fabiano Caruana

✗ D. Ding Liren

Q.91 **Which economic model guided India's planning approach during the 1950s and 1960s?**

Ans

✗ A. Keynesian Model

✗ B. Nehruvian Model

✓ C. Mahalanobis Model

✗ D. Gandhian Model

Q.92 **What humanitarian issue was condemned by the BRICS nations during the 16th summit held in Russia?**

Ans

✓ A. Crises in the Middle East

✗ B. Deforestation in the Amazon

✗ C. Poverty in Africa

✗ D. Refugee crises in Europe

Q.93 **Which of the following dance forms evolved from Assam?**

Ans

✗ A. Kuchipudi

✗ B. Kathakali

✗ C. Kathak

✓ D. Sattriya

Q.94 **To whom did Mahatma Gandhi send a letter in March 1930, explaining why the British rule in India was considered a 'curse'?**

Ans

✗ A. Lord Wellesley

✓ B. Lord Irwin

✗ C. Lord Mountbatten

✗ D. Lord Adam

Q.95 **The northernmost island of the Andaman group is:**

Ans

✗ A. Neil Island

✗ B. Little Andaman Island

✓ C. Landfall Island

✗ D. South Andaman Island

Q.96 **El-Nino, a climate pattern, is an extension of which of the following?**

Ans

✗ A. Equatorial Counter Current

✗ B. East Australian Current

✓ C. Warm Equatorial Current

✗ D. North Pacific Current

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Q.97 **Who became the first Indian gymnast to secure a gold medal in any Asian Championships after winning a gold medal at the Asian Gymnastics Championships 2024, held in Tashkent?**

Ans

✔ A. Dipa Karmakar

✘ B. Meghana Gundlapally Reddy

✘ C. Aruna Reddy

✘ D. Pranati Nayak

Q.98 **Who are eligible to vote in Lok Sabha elections?**

Ans

✘ A. Only citizens with a government job

✔ B. Citizens aged 18 and above who are not disqualified under the Constitution or any law

✘ C. Only citizens aged 21 and above

✘ D. Citizens who have paid income tax

Q.99 **Who among the following scientists discovered the element radium?**

Ans

✔ A. Marie Curie

✘ B. Wilhelm Roentgen

✘ C. Dmitri Mendeleev

✘ D. JJ Thomson

Q.100 **The Right to Vote is:**

Ans

✘ A. a Fundamental Duty

✘ B. neither a Fundamental Right nor a legal right

✔ C. a legal right

✘ D. a Fundamental Right

Q.101 **Which state's Tourism and Art and Culture Department organises the Hornbill Festival?**

Ans

✘ A. Manipur

✘ B. Sikkim

✔ C. Nagaland

✘ D. Mizoram

Q.102 **1 horse power (hp) = ____.**

Ans

✘ A. 1. 746 × 10^{-3} MW

✘ B. 2. 746 × 10^{6} MW

✘ C. 746 MW

✔ D. 4. 746 × 10^{-6} MW

Q.103 **Which of the following is NOT a provision to disqualify the members of a political party on the ground of defection mentioned in the tenth schedule of the Indian Constitution?**

Ans

✘ A. If an elected member joins another party after election

✘ B. If a member votes against his party will

✔ C. If a party merges with another party

✘ D. If a nominated member joins another party after 6 months of his seat

Q.104 **The Green Revolution had a significant socio-economic impact on the rural areas of which two Indian states?**

Ans

✘ A. Tamil Nadu and Kerala

✘ B. Maharashtra and Gujarat

✘ C. Bihar and Uttar Pradesh

✔ D. Punjab and Haryana

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Q.105 **Which crop is referred to as the 'golden fibre' in India?**

Ans
- ✔ A. Jute
- ✘ B. Cotton
- ✘ C. Wheat
- ✘ D. Silk

Q.106 **Match the following.**
Harappan Site Present State
A. Lothal I. Haryana
B. Kalibagan II. Gujarat
C. Daimabad III. Rajasthan
D. Birhan IV. Maharashtra

Ans
- ✘ A. A-IV; B-I; C-III; D-II
- ✘ B. A-I; B-II; C-III; D-IV
- ✘ C. A-III; B-IV; C-II; D-I
- ✔ D. A-II; B-III; C-IV; D-I

Q.107 **How many shuddha notes were primarily there in Hindustani classical music?**

Ans
- ✘ A. 6
- ✘ B. 3
- ✘ C. 11
- ✔ D. 7

Q.108 **As of 26 November 2024, how many constitutional amendments have been made to the Constitution of India since it was first enacted in 1950?**

Ans
- ✘ A. 370
- ✘ B. 144
- ✘ C. 101
- ✔ D. 106

Q.109 **Which policy was introduced to attract foreign companies to invest in India?**

Ans
- ✘ A. Import Substitution Policy
- ✔ B. Liberalisation Policy
- ✘ C. Nationalisation Policy
- ✘ D. Socialist Policy

Q.110 **In which month did the Reserve Bank of India enter its 90th year of operations, in 2024?**

Ans
- ✔ A. April
- ✘ B. June
- ✘ C. August
- ✘ D. February

Q.111 **According to the Union Budget 2024, what is the revised tax slab limit for the 5% tax rate under the new tax policy?**

Ans
- ✘ A. ₹5 lakh
- ✔ B. ₹7 lakh
- ✘ C. ₹10 lakh
- ✘ D. ₹2.5 lakh

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Q.112 **The concept of Directive Principles in the Indian Constitution is borrowed from the Constitution of which country?**

Ans

✗ A. UK

✗ B. USA

✓ C. Ireland

✗ D. Canada

Q.113 **The liver belongs to which organ system in the human body?**

Ans

✓ A. Digestive system

✗ B. Respiratory system

✗ C. Circulatory system

✗ D. Nervous system

Q.114 **Prime Minister Shri Narendra Modi Inaugurated which of the following High-Performance Computing (HPC) Systems tailored for Weather and Climate Research in September 2024?**

Ans

✓ A. Arka and Arunika

✗ B. PARAM Seva and Trinetra

✗ C. Chandra and Trinetra

✗ D. Trinetra and Arka

Q.115 **The Government of India launched UDAN regional connectivity scheme in the year 2016, this is related to _____ sector.**

Ans

✗ A. water transport

✗ B. road transport

✗ C. rail transport

✓ D. civil aviation

Q.116 **Which of the following was a major benefit of globalisation for India after 1991?**

Ans

✗ A. Reduced foreign investment

✗ B. Decreased foreign trade

✓ C. Increased access to foreign markets

✗ D. Isolation from global economies

Q.117 **In which language film category did 777 Charlie win at the South Indian International Movie Awards (SIIMA) 2023?**

Ans

✓ A. Kannada

✗ B. Telugu

✗ C. Tamil

✗ D. Malayalam

Q.118 **The angle between the direction of electric and magnetic fields of an electromagnetic wave is:**

Ans

✓ A. 90°

✗ B. 180°

✗ C. 0°

✗ D. 45°

Q.119 **The four Vedas, together with their Brahmanas are also known as _____.**

Ans

✗ A. Puranas

✗ B. Upavedas

✗ C. Vedangas

✓ D. Shruti

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Q.120 **Which Supreme Court case established the 'Collegium system' for judicial appointments in India?**

Ans

✗ A. SR Bommai vs. Union of India

✓ B. The Second Judges Case (1993)

✗ C. Minerva Mills vs. Union of India

✗ D. Kesavananda Bharati vs. State of Kerala

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	11/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 Simplify the following.

$$168 \div 24 \times \frac{1}{2} + \frac{3}{5} \times 4\frac{1}{3}$$

Ans
- ✔ A. 6.1
- ✘ B. 9.4
- ✘ C. 8.3
- ✘ D. 7.2

Q.2 **Arun can do a piece of work in 8 hours. Mahesh can do it in 4 hours. With the assistance of Vijay, they completed the work in 2 hours. In how many hours can Vijay alone do it?**

Ans
- ✔ A. 8
- ✘ B. 9
- ✘ C. 7
- ✘ D. 10

Q.3
$$\left[\left(\frac{3}{2}\right)^{-9} \times \left(\frac{2}{3}\right)^{-6} \times \left(\frac{1}{4}\right)^{-3} \right]^{-7}$$

Ans
- ✘ A. $\left(\frac{5}{8}\right)^{20}$
- ✘ B. $\left(\frac{8}{3}\right)^{23}$
- ✘ C. $\left(\frac{3}{18}\right)^{21}$
- ✔ D. $\left(\frac{3}{8}\right)^{21}$

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Q.4 **A number, 45000, is increased successively by 20% and 25%. Find the overall increase in percentage.**

Ans

✗ A. 47.5%

✗ B. 22.5%

✗ C. 45%

✓ D. 50%

Q.5 **Aarti and Rita can do a job in 8 hours and 12 hours, respectively. In how many hours can both do the job together?**

Ans

✗ A. 4.4 hours

✗ B. 4.6 hours

✗ C. 4.2 hours

✓ D. 4.8 hours

Q.6 **The average of the marks of 15 students in a class is 41. If the marks of each student are doubled, find the new average?**

Ans

✗ A. 30

✗ B. 15

✗ C. 41

✓ D. 82

Q.7 **A trader offers several discount schemes. Choose the scheme that provides the lowest selling price from the following options.**

Ans

✗ A. Buy one, get one free

✓ B. Buy one, get three free

✗ C. A single discount of 72%

✗ D. Buy two, get five free

Q.8 **The number 56890065 is completely divisible by only:**

Ans

✗ A. 11 and 4

✗ B. 6 and 7

✗ C. 9

✓ D. 3

Q.9 **Kartar marks his goods at 36% above the cost price and allows a discount of 16%. What is his gain percentage?**

Ans

✗ A. 13.6%

✗ B. 13.24%

✓ C. 14.24%

✗ D. 14.6%

Q.10 **There are 7847 students in a school and the ratio of boys to girls in the school is 42 : 17, then find the number of boys in school.**

Ans

✗ A. 5594

✗ B. 5600

✗ C. 5578

✓ D. 5586

Q.11 **The average of first 129 even numbers is**

Ans

✗ A. 131

✗ B. 129.5

✗ C. 130.5

✓ D. 130

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Q.12 A cylindrical rod has an outer curved surface area of 6200 cm^2. If the length of the rod is 32 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$Take\ \pi = \frac{22}{7}$

Ans

✗ A. 29.64

✗ B. 30.31

✓ C. 30.82

✗ D. 32.46

Q.13 What is the least number which when divided by 7, 14, 18 and 24 leaves remainder 6 in each case?

Ans

✓ A. 510

✗ B. 498

✗ C. 504

✗ D. 512

Q.14 Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Gopal borrowed an amount of ₹440000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Gopal after 2 years.

Ans

✗ A. 23500

✗ B. 21500

✓ C. 22000

✗ D. 23000

Q.15 The difference between the compound interest (compounded annually) and the simple interest on a certain sum at 10% per annum for 2 years is ₹547. Find the sum.

Ans

✓ A. ₹54,700

✗ B. ₹74,500

✗ C. ₹45,700

✗ D. ₹50,000

Q.16 In what ratio should sugar costing ₹48 per kg be mixed with sugar costing ₹22 per kg so that by selling the mixture at ₹40.6 per kg, there is a profit of 16%?

Ans

✓ A. 13 : 13

✗ B. 15 : 11

✗ C. 14 : 15

✗ D. 15 : 14

Q.17 A bike goes 83 meters in a second. Find its speed in km/hr.

Ans

✗ A. 302.8

✗ B. 308.1

✓ C. 298.8

✗ D. 297.3

Q.18 The ages of Himani and Pushpraj are in the ratio of 8 : 5 respectively. After 9 years the ratio of their ages will be 3 : 2. What is the difference in their present ages?

Ans

✗ A. 15

✓ B. 27

✗ C. 16

✗ D. 34

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Q.19 The monthly incomes of two friends Ashish and Kiran, are in the ratio 5 : 7 respectively and each of them saves ₹81000 every month. If the ratio of their monthly expenditure is 2 : 3, find the monthly income of Ashish(in ₹).

Ans

✔ A. 405000

✘ B. 567000

✘ C. 404000

✘ D. 406000

Q.20 In what ratio must water be mixed with milk to gain 15% by selling the mixture at cost price?

Ans

✘ A. 20 : 3

✘ B. 17 : 3

✘ C. 3 : 17

✔ D. 3 : 20

Q.21 2% of 7% of a number is what percentage of that number?

Ans

✘ A. 0.014

✘ B. 9

✘ C. 14

✔ D. 0.14

Q.22 P is the perimeter of a square and D is the diagonal of the square, choose the correct relation.

Ans

✘ A. $D = \sqrt{2}P$

✘ B. $4P = \sqrt{2}D$

✔ C. $P = 2\sqrt{2}D$

✘ D. $P = 4\sqrt{2}D$

Q.23 $The\ value\ of\ \left(\frac{15625}{49}\right)^{-\left(\frac{3}{2}\right)} \times \left(\frac{5}{7}\right)^{5} \div \sqrt[4]{(625)^{-3}}\ is:$

Ans

✘ A. $\frac{1}{237}$

✘ B. $\frac{1}{249}$

✘ C. $\frac{1}{233}$

✔ D. $\frac{1}{245}$

Q.24 If the diameter of the base of a cone is $\frac{75.36}{\pi}$ cm and its slant height i

$(\text{Use } \pi = 3.14)$

Ans

✔ A. 3768

✘ B. 5763

✘ C. 7536

✘ D. 1884

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Q.25 Ira has to reach Nagpur which is 744 km away in 16 hours. His starting speed for 8 hours was 34 km/hr. For the next 87 km his speed was 29km/hr. By what speed he must travel now so as to reach Nagpur in decided time of 16hours?

Ans

✗ A. 79 km/hr

✗ B. 74 km/hr

✗ C. 83 km/hr

✓ D. 77 km/hr

Q.26 How many seconds will a boy take to run one complete round around a square field of side 42 metres, if he runs at a speed of 12 km/h?

Ans

✓ A. 50.4

✗ B. 48

✗ C. 47

✗ D. 60

Q.27 Anjali can do a certain piece of work in 24 days. Anjali and Ayushi can together do the same work in 13 days, and Anjali, Ayushi and Ankita can do the same work together in 8 days. In how many days can Anjali and Ankita do the same work?

Ans

✗ A. $\frac{84}{8}$

✗ B. $\frac{81}{7}$

✓ C. $\frac{78}{7}$

✗ D. $\frac{72}{9}$

Q.28 Simplify: $\left[\frac{1}{5}\text{ of }(5\times 7-5)+20\div 5\right]\div\left[\frac{0.27}{0.03}-\{21\div 3+(2-3)\}+\right.$

Ans

✗ A. 2.5

✗ B. 2

✓ C. 1.25

✗ D. 1

Q.29 A car travels 106 km in the first hour and 276 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?

Ans

✗ A. 183

✓ B. 191

✗ C. 189

✗ D. 194

Q.30 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 108. Find the average of the remaining two numbers?

Ans

✗ A. 196.5

✗ B. 187

✗ C. 186

✓ D. 195.5

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Q.31 The difference between the compound interest and simple interest for the sum of ₹5,000 at 10% per annum for two years is:

Ans
- ✔ A. ₹50
- ✘ B. ₹53
- ✘ C. ₹49
- ✘ D. ₹52

Q.32 Find the value of $\left(\frac{1}{4}\right)^{-2} + \left(\frac{1}{6}\right)^{-2} + \left(\frac{1}{2}\right)^{-2}$.

Ans
- ✘ A. 54
- ✘ B. 60
- ✘ C. 61
- ✔ D. 56

Q.33 A sold an article to B at 12% profit and B sold it to C at 8% loss. If A sold it to C at the selling price of B, then find the profit or loss percentage that A would make.

Ans
- ✘ A. 2.15% Profit
- ✘ B. 2.15% Loss
- ✔ C. 3.04% Profit
- ✘ D. 3.04% Loss

Q.34 Calculate the loss percentage (correct up to two decimals) if Moni had a loss of ₹250 and her product was sold at ₹100.

Ans
- ✘ A. 72.53%
- ✘ B. 68.33%
- ✔ C. 71.43%
- ✘ D. 67.23%

Q.35 The ratio of three numbers is 5 : 7 : 9 and their LCM is 2835. Find the sum of the greater number and the difference between the first two numbers.

Ans
- ✘ A. 88
- ✔ B. 99
- ✘ C. 85
- ✘ D. 80

Section : **General Intelligence and Reasoning**

Q.36 CRTQ is related to DTUS in a certain way based on the English alphabetical order. In the same way, PDUA is related to QFVC. To which of the given options is SHKI related, following the same logic?

Ans
- ✘ A. TILK
- ✔ B. TJLK
- ✘ C. TJMJ
- ✘ D. TKLJ

Q.37 Mr. Maximilian starts from Point A and drives 26 km towards south. He then takes a right turn, drives 23 km, turns right and drives 32 km. He then takes a right turn and drives 31 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

Ans
- ✘ A. 8 km to the east
- ✔ B. 8 km to the west
- ✘ C. 6 km to the south
- ✘ D. 6 km to the north

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Q.38 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
All plastics are tarpaulins.
No tarpaulin is a sheet.

Conclusions:
(I) No plastic is a sheet.
(II) Some sheets are tarpaulins.

Ans
- ✗ A. Both conclusions (I) and (II) follow.
- ✗ B. Neither conclusion (I) nor (II) follows.
- ✓ C. Only conclusion (I) follows.
- ✗ D. Only conclusion (II) follows.

Q.39 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All burgers are pears.
No pear is a fan.
Conclusions:
(I): No burger is a fan.
(II): Some fans are pears.

Ans
- ✗ A. Only conclusion (II) follows.
- ✗ B. Both conclusions (I) and (II) follow.
- ✓ C. Only conclusion (I) follows.
- ✗ D. Neither conclusion (I) nor (II) follows.

Q.40 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7318546, which of the following digits will be second from the left?**

Ans
- ✓ A. 4
- ✗ B. 6
- ✗ C. 5
- ✗ D. 7

Q.41 **If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 37846592, what will be difference between the highest and second lowest digits in the number thus formed?**

Ans
- ✗ A. 8
- ✓ B. 6
- ✗ C. 2
- ✗ D. 4

Q.42 **Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.**

(Left) 5 3 1 8 4 5 7 2 4 1 8 7 6 4 7 2 9 3 5 2 5 4 1 9 7 3 6 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans
- ✗ A. More than three
- ✓ B. Three
- ✗ C. One
- ✗ D. Two

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Q.43 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

XNJ TLI PJH ? HFF

Ans

✗ A. LIH

✗ B. KGG

✓ C. LHG

✗ D. KHG

Q.44 **R, A, D, I, U and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. Only two people live between I and U. Only A lives above R. D lives on an even numbered floor. I lives on the lowermost floor. How many people live between S and A?**

Ans

✗ A. One

✗ B. Three

✓ C. Two

✗ D. Four

Q.45 **What should come in place of the question mark (?) in the given series?**

126 126 181 181 236 236 ?

Ans

✗ A. 296

✗ B. 281

✗ C. 276

✓ D. 291

Q.46 **Select the term from among the given options that can replace the question mark (?) in the following series.**

JL35 HJ47 FH59 DF71 ?

Ans

✓ A. BD83

✗ B. BD82

✗ C. BE82

✗ D. BE83

Q.47 **Refer to the following series and answer the question (all numbers are single digit numbers only).**
(Left) 8 2 1 9 8 7 5 5 4 6 3 4 5 3 7 9 1 1 7 5 1 9 5 (Right)
How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✓ A. Two

✗ B. Three

✗ C. None

✗ D. One

Q.48 **A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits second to the left of G. B sits fourth to the right of C. A sits to the immediate right of D. F sits second to the right of A. What is the position of A with respect to B?**

Ans

✓ A. Second to the right

✗ B. Third to the left

✗ C. Second to the left

✗ D. Immediate left

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Q.49 **What should come in place of the question mark (?) in the given series?**

152 138 125 113 102 ?

Ans

✗ A. 76

✓ B. 92

✗ C. 70

✗ D. 83

Q.50 **In a row of 54 students facing North, Hari is 19th from the left end. If Lalit is 25th to the right of Hari, what is Lalit's position from the right end of the line?**

Ans

✓ A. 1. 11th

✗ B. 2. 12th

✗ C. 3. 10th

✗ D. 4. 13th

Q.51 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. NEV

✗ B. EVM

✓ C. QFW

✗ D. XOF

Q.52 **Ron starts from Point A and drives 4 km towards north. He then takes a right turn, drives 5 km, turns right and drives 11 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans

✗ A. 5 km to the east

✓ B. 2 km to the east

✗ C. 3 km to the east

✗ D. 1 km to the east

Q.53 **Seven friends, C, D, E, P, Q, R and S, are sitting around a circular table, facing the centre of the table. E sits to the immediate left of R. Only three people sit between R and Q when counted from the right of Q. Only three people sit between E and C. D sits to the immediate right of P. How many people sit between E and P when counted from the right of P?**

Ans

✗ A. Four

✗ B. Three

✓ C. One

✗ D. Two

Q.54 **Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.**
(Left) Ω 9 % 3 6 # 1 * £ 5 4 2 & @ 8 $ 7 + (Right)
How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

Ans

✗ A. 4

✗ B. 1

✓ C. 2

✗ D. 3

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Q.55 After watching a world cup match, six friends are sitting around a circular table facing towards the centre of the table. G sits second to the right of D and to the immediate left of C. Only two persons sit between F and A. A is an immediate neighbour of H. Who sits second to the right of H?

Ans

✗ A. A

✗ B. D

✗ C. G

✓ D. F

Q.56 In a certain code language, 'LINK' is coded as '8426' and 'NIKE' is coded as '2438'. What is the code for 'E' in the given code language?

Ans

✗ A. 8

✗ B. 2

✓ C. 3

✗ D. 4

Q.57 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:
All tables are chairs.
All chairs are beds.

Conclusions:
(I) Some beds are tables.
(II) Some chairs are tables.

Ans

✗ A. Only conclusion (I) follows.

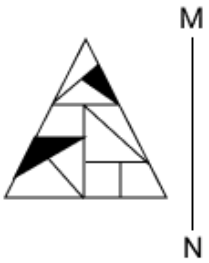
✗ B. Only conclusion (II) follows.

✗ C. Neither conclusion (I) nor (II) follows.

✓ D. Both conclusions (I) and (II) follow.

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Q.58



Ans

✗ A.



✗ B.



✓ C.



✗ D.



Q.59 **In a certain code language, 'doctors are like God' is coded as 'do co to ro' and 'all should respect doctors' is coded as 'ro od oc ot'.**
How is 'doctors' coded in the given language?

Ans

✗ A. do

✗ B. co

✓ C. ro

✗ D. od

Q.60 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. SOV

✓ B. EAG

✗ C. IEL

✗ D. NJQ

Q.61 **MNOP is related to QRST in a certain way based on the English alphabetical order. In the same way, GHIJ is related to KLMN. To which of the following is CDEF related, following the same logic?**

Ans

✗ A. GHIL

✗ B. GHJI

✓ C. GHIJ

✗ D. GHIK

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Q.62 **What should come in place of the question mark (?) in the given series?**

9 11 15 23 39 ?

Ans

✗ A. 61

✗ B. 81

✓ C. 71

✗ D. 91

Q.63 **CFJM is related to FIMP in a certain way based on the English alphabetical order. In the same way, DAHL is related to GDKO. To which of the given options is GJNR related, following the same logic?**

Ans

✗ A. JGRN

✗ B. RJGN

✓ C. JMQU

✗ D. FIMQ

Q.64 **In a certain code language,**
A * B means 'A is the mother of B',
A ^ B means 'A is the wife of B',
A – B means 'A is the daughter of B' and
A ! B means 'A is the father of B'.
Based on the above, how is B related to U if 'B – C ! I * L ^ U'?

Ans

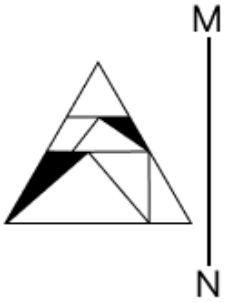
✓ A. Wife's mother's sister

✗ B. Wife's mother's son

✗ C. Wife's mother's brother

✗ D. Wife's mother's husband

Q.65



Ans

✗ A.



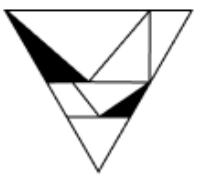
✗ B.



✓ C.



✗ D.



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Q.66 In a certain code language, 'JUNK' is coded as '7268' and 'JUKE' is coded as '8652'. What is the code for 'E' in the given code language?

Ans
- ✗ A. 2
- ✓ B. 5
- ✗ C. 6
- ✗ D. 8

Q.67 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
9 - 8 - 72
12 - 5 - 60

Ans
- ✗ A. 4 - 13 - 56
- ✗ B. 9 - 20 - 160
- ✓ C. 15 - 5 - 75
- ✗ D. 18 - 2 - 38

Q.68 In a certain code language,
A @ B means 'A is the sister of B',
A & B means 'A is the brother of B',
A + B means 'A is the wife of B',
A # B means 'A is the father of B'.

Based on the above, how is S related to T if 'S & D + R # Y @ T'?

Ans
- ✗ A. Mother's father
- ✗ B. Brother
- ✗ C. Father
- ✓ D. Mother's brother

Q.69 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LOK 13, MON 12, NOQ 11, OOT 10, ?

Ans
- ✓ A. POW 9
- ✗ B. IOW 6
- ✗ C. POA 9
- ✗ D. IOW 7

Q.70 If 'A' stands for '+', 'B' stands for '−', 'C' stands for '×' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

1 3 A 1 2 D 4 C 5 B 4 D 2 = ?

Ans
- ✗ A. 12
- ✓ B. 26
- ✗ C. 35
- ✗ D. 19

Section : **General Awareness**

Q.71 The Second Battle of Panipat was fought between the forces of _____.

Ans
- ✓ A. Akbar and Hemu
- ✗ B. Babur and Rana Sanga
- ✗ C. Humayun and Rana Sanga
- ✗ D. Akbar and Sher Shah

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Q.72 **The Lahore Declaration was a bilateral agreement and governance treaty signed in 1999 between Atal Bihari Vajpayee and ____.**

Ans

✔ A. Nawaz Sharif

✘ B. Muhammad Junejo

✘ C. Zulfikar Ali Bhutto

✘ D. Imran Khan

Q.73 **The 44th and 45th ASEAN Summits were held in _____.**

Ans

✘ A. Malaysia

✔ B. Lao People's Democratic Republic

✘ C. Indonesia

✘ D. Thailand

Q.74 **During the period from 30 September to 17 October 2024, how much surplus liquidity was mopped up through variable rate reverse repo (VRRR) auctions?**

Ans

✘ A. ₹3.5 lakh crore

✘ B. ₹2.1 lakh crore

✔ C. ₹4.1 lakh crore

✘ D. ₹1.5 lakh crore

Q.75 **Which of the following committees is responsible for examining the conduct of Members of Parliament?**

Ans

✔ A. The Committee on Privileges

✘ B. The Committee on Rules

✘ C. The Committee on Public Undertakings

✘ D. The Public Accounts Committee

Q.76 **What does the Second Schedule of the Indian Constitution provide for?**

Ans

✘ A. Allocation of seats in the Council of States

✔ B. Provisions related to the President, Governors, and other officials

✘ C. Forms of oaths or affirmations

✘ D. Powers of Municipalities

Q.77 **Which of the following was one of the methods that extremists believed would help in achieving Swaraj?**

Ans

✘ A. Persuasion

✘ B. Appeasement

✔ C. Self-reliance and direct action

✘ D. Constitutional methods

Q.78 **The headquarters of the Asian Development Bank (ADB), which is often seen in the news, is located in _____.**

Ans

✘ A. Bangkok

✘ B. Tokyo

✘ C. Mumbai

✔ D. Manila

Q.79 **Which article specifies that the Governor can summon, prorogue, and dissolve the state legislature?**

Ans

✔ A. Article 174

✘ B. Article 180

✘ C. Article 172

✘ D. Article 167

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Q.80 **At which place was the inaugural ceremony of the Maritime Exercise Malabar 2024 held under the aegis of Eastern Naval Command?**

Ans
- ✔ A. Visakhapatnam
- ✘ B. Tirupati
- ✘ C. Kochi
- ✘ D. Cuddalore

Q.81 **Which of the following was/were the consequences of the Revolt of 1857?**

I. Reorganisation of the army
II. Agrarian reforms
III. Free trade policy
IV. The Arms Act was passed

Ans
- ✘ A. I, II, III and IV
- ✔ B. I and IV only
- ✘ C. I, III and IV only
- ✘ D. III and IV only

Q.82 **Who led the rebellions from Dhule district, Maharashtra in 1857?**

Ans
- ✔ A. Khaza Singh
- ✘ B. Rani Laxmi Bai
- ✘ C. Tatya Tope
- ✘ D. Khan Bahadur

Q.83 **What aspect of electromagnetism is described by Ampere's Circuital Law?**

Ans
- ✘ A. The relationship between electric field and magnetic field in a region of space
- ✘ B. The relationship between the displacement current and the changing electric field in an isolated region of space
- ✘ C. The relationship between the charge density and the electric field in a dielectric material
- ✔ D. The relationship between the magnetic field around a closed loop and the electric current passing through the loop

Q.84 **Hal Chhath in Bihar is celebrated on the _____ day of the Krishna Paksha of the Bhadra month.**

Ans
- ✘ A. second
- ✘ B. ninth
- ✘ C. third
- ✔ D. sixth

Q.85 **In which state is Indira Sagar Hydroelectric Power Project located?**

Ans
- ✔ A. Madhya Pradesh
- ✘ B. Haryana
- ✘ C. Andhra Pradesh
- ✘ D. Bihar

Q.86 **Which of the following factors contributed to the increase in net foreign portfolio investment (FPI) inflows in the equity segment in September 2024?**

Ans
- ✘ A. Decrease in domestic growth prospects
- ✘ B. Increase in interest rates in the US
- ✔ C. Unwinding of Yen carry trade
- ✘ D. Strengthening of the Indian Rupee

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Q.87 **What has been one of the key contributions of globalisation to urban infrastructure development since 1991?**

Ans

✗ A. Expansion of agriculture-related industries in cities

✗ B. Construction of rural roads under the Pradhan Mantri Gram Sadak Yojana

✓ C. Development of modern public transport systems, such as metro rail networks

✗ D. Privatisation of metro rail systems in urban areas

Q.88 **Which of the following has an interface of agriculture and industry and covers large tracts of land, using capital-intensive inputs with the help of migrant labourers?**

Ans

✗ A. Primitive Subsistence Farming

✗ B. Intensive Subsistence Farming

✓ C. Plantation Farming

✗ D. Dryland Farming

Q.89 **FASTag devices of National Electronic Toll Collection (NETC) system, which are used for electronic payments at toll plazas, employ which technology for their functioning, as on 1 November 2024?**

Ans

✗ A. Bluetooth Low Energy (BLE)

✓ B. Radio Frequency Identification (RFID)

✗ C. Near-Field Communication (NFC)

✗ D. Global Positioning System (GPS)

Q.90 **In August 2024, the Global Ayurveda Summit was held in which state of India?**

Ans

✗ A. Goa

✓ B. Kerala

✗ C. Tamil Nadu

✗ D. Karnataka

Q.91 **Which government initiative focuses on building infrastructure and connectivity in India?**

Ans

✓ A. Bharatmala

✗ B. MNREGA

✗ C. Skill India

✗ D. Ayushman Bharat

Q.92 **Which of the following measures is commonly used to estimate poverty levels?**

Ans

✗ A. Gross domestic product

✓ B. Poverty line

✗ C. Exchange rate

✗ D. Consumer price index

Q.93 **Which book by Rajasree Variyar won the Best Author Debut Award at the AutHer Awards 2024?**

Ans

✗ A. How Prime Ministers Decide

✗ B. The God of Small Things

✗ C. In Custody

✓ D. The Daughters of Madurai

Q.94 **Who among the following scientists is credited with discovering the element polonium?**

Ans

✗ A. Niels Bohr

✗ B. Ernest Rutherford

✗ C. Dmitri Mendeleev

✓ D. Marie Curie

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Q.95 **In India, the Sundari tree is a prominent species found in which type of forests?**

Ans

✗ A. Tropical rainforests

✗ B. Tropical deciduous forests

✗ C. Montane forests

✓ D. Mangrove forests

Q.96 **On which of the following scientific principles does a steam engine operate?**

Ans

✗ A. Photoelectric effect

✓ B. Laws of thermodynamics

✗ C. Superconductivity

✗ D. Archimedes' principle

Q.97 **What key interest rate did the RBI keep unchanged during the April 2024 Monetary Policy Committee meeting?**

Ans

✗ A. Base rate

✓ B. Repo rate

✗ C. Bank rate

✗ D. Reverse repo rate

Q.98 **Indian all-rounder cricketer Deepti Sharma attained a career best ranking of which position in the Women's ODI bowlers' rankings, as announced by the International Cricket Council in October 2024?**

Ans

✗ A. First

✗ B. Fifth

✗ C. Fourth

✓ D. Second

Q.99 **Which is the highest peak of the Peninsular plateau of India?**

Ans

✗ A. Doddabetta

✓ B. Anamudi

✗ C. Shevaroy Hills

✗ D. Mahendragiri

Q.100 **The Union Cabinet, chaired by the Prime Minister Shri Narendra Modi, has approved the development of NGLV, that will be a significant step towards the Government's vision of establishing and operating the Bharatiya Antariksh Station and towards developing capability for Indian Crewed Landing on the Moon by 2040. Which of the following is the full form of NGLV?**

Ans

✗ A. Next Gateway Launch Vehicle

✗ B. Nano Governed Launch Vehicle

✓ C. Next Generation Launch Vehicle

✗ D. New Generation Launch Vehicle

Q.101 **Which coastal plain of India is predominantly rocky?**

Ans

✗ A. Northern Coastal Plain

✓ B. Western Coastal Plain

✗ C. Coromandel Plain

✗ D. Eastern Coastal Plain

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Q.102 **Who among the following British Architects designed Chhatrapati Shivaji Terminus (formerly Victoria Terminus)?**

Ans

✗ A. Henry Currey

✓ B. FW Stevens

✗ C. Thomas Edward Collcutt

✗ D. William Wilkins

Q.103 **The Standard Meridian of India (82°30'E), used to set the standard time for the entire country, passes through which of the following places?**

Ans

✗ A. Jaipur

✓ B. Mirzapur

✗ C. Kolkata

✗ D. Bhopal

Q.104 **Which of the following is the 17th country to sign Audio Visual co-production Agreement with India?**

Ans

✗ A. Panama

✓ B. Colombia

✗ C. Nicaragua

✗ D. Canada

Q.105 **Carbohydrates exist in various forms, ranging from simple sugars to complex polymers made up of multiple units. The simplest form of carbohydrates, which cannot be further hydrolysed into simpler forms, is called:**

Ans

✗ A. polysaccharides

✗ B. disaccharides

✓ C. monosaccharides

✗ D. oligosaccharides

Q.106 **Sandhi-Vigrahika was in charge of which of the following departments during the Gupta period?**

Ans

✗ A. Police department

✗ B. Royal palace department

✓ C. Peace and war department

✗ D. Justice department

Q.107 **National Waterway 2 (NW 2) is operational in which of the following Indian states?**

Ans

✗ A. Nagaland

✗ B. Arunachal Pradesh

✗ C. Sikkim

✓ D. Assam

Q.108 **Which program aims to provide houses to the rural poor in India?**

Ans

✗ A. Skill India

✗ B. Digital India

✗ C. Make in India

✓ D. Pradhan Mantri Awas Yojana

Q.109 **The musical instruments that produce sounds by beating or scraping them using a beater, hand or a similar instrument are known as _____ instruments.**

Ans

✗ A. wind

✓ B. percussion

✗ C. string

✗ D. electronic

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Q.110 **Self-Help Groups (SHGs) in rural areas are mainly established to:**

Ans

✗ A. provide large corporate loans

✗ B. improve school enrolment

✓ C. encourage savings and provide small loans among members

✗ D. develop urban infrastructure

Q.111 **Right of parliament to regulate the citizenship by law is mentioned in which of the following articles of the Indian Constitution?**

Ans

✗ A. Article 10

✗ B. Article 93

✓ C. Article 11

✗ D. Article 89

Q.112 **How did the 1991 reforms impact the public sector industries in India?**

Ans

✗ A. Creation of new public monopolies

✓ B. Encouraged disinvestment and reduced government control

✗ C. Increased dominance of public sector enterprises

✗ D. Nationalisation of key private industries

Q.113 **As per Indian Protocol, who among the following ranks highest in the order of precedence?**

Ans

✗ A. Ministers of state

✓ B. Prime Minister

✗ C. Cabinet ministers

✗ D. Deputy ministers

Q.114 **When did Manoj Mittal take charge as the Chairman and Managing Director (CMD) of Small Industries Development Bank of India (SIDBI)?**

Ans

✓ A. July 2024

✗ B. June 2024

✗ C. September 2024

✗ D. October 2024

Q.115 **The Moderates' demand for 'No taxation without representation' was inspired by which historical movement?**

Ans

✗ A. French Revolution

✓ B. American War of Independence

✗ C. Russian Revolution

✗ D. Chinese Revolution

Q.116 **The Constitution (Jammu and Kashmir) Scheduled Tribes Order (Amendment) Bill, 2024, passed by the Parliament, aimed to include how many communities in the list of STs of the UT of Jammu and Kashmir?**

Ans

✗ A. 3

✗ B. 6

✗ C. 2

✓ D. 4

Q.117 **Which of the following biomolecules has the largest molecular weight?**

Ans

✗ A. Fructose

✗ B. Glucose

✗ C. Galactose

✓ D. Sucrose

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Q.118 **The Surshringar is a combination of how many instruments of the stringed variety found in the north India?**

Ans

✗ A. Four

✗ B. Five

✗ C. Two

✓ D. Three

Q.119 **The Fundamental Duty to 'abjure violence' was initially suggested by which of the following committees/commissions?**

Ans

✗ A. Sarkaria Commission

✓ B. Swaran Singh Committee

✗ C. Ashok Mehta Committee

✗ D. Mandal Commission

Q.120 **Which of the following is a Gandhian Principle among the Directive Principles of State Policy (DPSP)?**

Ans

✗ A. Uniform Civil Code

✗ B. Protection of environment

✗ C. Equal justice and free legal aid

✓ D. Organisation of village panchayats

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	11/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **The ages of Nishi and Vineet are in the ratio of 5 : 8 respectively. After 9 years the ratio of their ages will be 2 : 3. What is the difference in their present ages (in years)?**

Ans
- ✗ A. 7
- ✗ B. 24
- ✗ C. 13
- ✓ D. 27

Q.2 **To make a profit of 27%, the selling price of a an item is ₹381. The cost price of the item is:**

Ans
- ✗ A. ₹313
- ✗ B. ₹327
- ✓ C. ₹300
- ✗ D. ₹354

Q.3 **The monthly incomes of two friends Nirmal and Rakesh, are in the ratio 5 : 7 respectively and each of them saves ₹84000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Nirmal(in ₹).**

Ans
- ✓ A. 140000
- ✗ B. 139000
- ✗ C. 196000
- ✗ D. 141000

Q.4 **A rectangular park which is 105 m long and 75 m wide has a grassy walking path 2.5 m wide all around it on the inside. Find the cost of trimming the grass path at ₹18 per sq. m.**

Ans
- ✓ A. ₹15,750
- ✗ B. ₹7,000
- ✗ C. ₹18,250
- ✗ D. ₹7,875

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Q.5 Lata buys a second-hand scooty for ₹30,000. The value of the scooty depreciates at the rate of x% yearly. If the scooty was sold at a price of ₹20,667 after 2 years, then what is the value of x?

Ans

✗ A. 18

✗ B. 16

✗ C. 19

✓ D. 17

Q.6 In what ratio should sugar costing ₹64 per kg be mixed with sugar costing ₹22 per kg so that by selling the mixture at ₹70.8 per kg, there is a profit of 20%?

Ans

✓ A. 37 : 5

✗ B. 38 : 3

✗ C. 36 : 3

✗ D. 35 : 6

Q.7 The value of

$$\sqrt{144} + \sqrt{0.0324} - \sqrt{9} =$$

Ans

✓ A. 9.18

✗ B. 15.32

✗ C. 4.77

✗ D. 5.23

Q.8 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 125. Find the average of the remaining two numbers?

Ans

✓ A. 187

✗ B. 188

✗ C. 204

✗ D. 203

Q.9 An Uber cab covers a distance of 384 km in 16 hours. What is its speed in km/h?

Ans

✗ A. 27

✗ B. 22

✗ C. 14

✓ D. 24

Q.10 A, B and C can complete a piece of work in 8 days, 16 days and 24 days, respectively. If they work together, how many days will it take to complete a task that is eleven times the original work?

Ans

✗ A. 46

✓ B. 48

✗ C. 44

✗ D. 42

Q.11 Find the value of $\left(\frac{1}{4}\right)^{-2} + \left(\frac{1}{9}\right)^{-2} + \left(\frac{1}{3}\right)^{-2}$.

Ans

✓ A. 106

✗ B. 108

✗ C. 116

✗ D. 103

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Q.12 The number of students in a school increases every year by 5%. If the number of the students in 2023 is 5,670, what was the number of students in 2022?

Ans

✗ A. 5,230

✗ B. 5,430

✓ C. 5,400

✗ D. 5,330

Q.13 How many seconds will a boy take to run one complete round around a square field of side 18 metres, if he runs at a speed of 6 km/h?

Ans

✓ A. 43.2

✗ B. 36

✗ C. 40

✗ D. 43

Q.14 If 63 , 21 , 54 , and y are in proportion, then the value of y is:

Ans

✗ A. 27

✓ B. 18

✗ C. 21

✗ D. 25

Q.15 Firoz and Gangadhar can complete a certain piece of work in 18 and 11 days, respectively, They started to work together, and after 5 days, Gangadhar left. In how many days will Firoz complete the remaining work?

Ans

✗ A. $\frac{953}{200}$

✓ B. $\frac{954}{198}$

✗ C. $\frac{957}{198}$

✗ D. $\frac{956}{199}$

Q.16 Mamta invested a certain amount for compound interest at 10% per annum (compounded half yearly) for 2 years. If the interest obtained by Mamta is ₹1,034.43, then find the total amount invested by her.

Ans

✗ A. ₹4,400

✗ B. ₹4,200

✓ C. ₹4,800

✗ D. ₹4,600

Q.17 A number when increased by 50 %', gives 2400. The number is:

Ans

✗ A. 800

✗ B. 3200

✗ C. 4800

✓ D. 1600

Q.18 Find the largest possible value of n, for which a 6-digit number 34159n is divisible by 6.

Ans

✗ A. 4

✗ B. 2

✗ C. 6

✓ D. 8

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Q.19 **A person buys a bicycle for ₹12,000 and sells it for ₹10,500. Find the percentage loss.**

Ans

✗ A. 12%

✓ B. 12.5%

✗ C. 16.5%

✗ D. 14.5%

Q.20 What is the total surface area (correct to two places of decimals) of a r

Ans

✗ A. 1. 173.25 m^2

✗ B. 2. 182.36 m^2

✓ C. 3. 167.95 m^2

✗ D. 4. 178.48 m^2

Q.21 **Find the value of 5.84 × 2.05 − 3.64 × 1.45 − 2.05 × 3.54 + 8.76 × 2.05 − 12.375 + 6.98.**

Ans

✗ A. 19

✓ B. 12

✗ C. 21

✗ D. 15

Q.22 **The cost price (including making charges) of a necklace is ₹2,50,000, and Amit wants to make 15% profit by selling it. At the time of the sale, he declares a discount of 5% on the making charges of the necklace. If making charges are ₹20,000, what is the marked price of the necklace?**

Ans

✗ A. ₹2,87,500

✓ B. ₹2,88,500

✗ C. ₹2,77,500

✗ D. ₹2,97,500

Q.23 **Find the ratio in which rice at ₹36.75 per kg should be mixed with rice at ₹42.25 per kg to produce a mixture worth ₹40.50.**

Ans

✗ A. 169 : 147

✗ B. 15 : 7

✗ C. 147 : 169

✓ D. 7 : 15

Q.24 **The sum of 10 numbers is 300. Find their average.**

Ans

✓ A. 30

✗ B. 28

✗ C. 29

✗ D. 31

Q.25 **Evaluate: 41 - [36 - {48 ÷ 2 - (6 - 6 ÷ 2) ÷ 3}]**

Ans

✗ A. 27

✗ B. 30

✓ C. 28

✗ D. 29

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Q.26 **Pipes A and B can fill an empty cistern in 78 minutes and 24 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 20 minutes?**

Ans

✗ A. 25 min

✗ B. 16 min

✓ C. 13 min

✗ D. 10 min

Q.27 **The volume (in cm^3) of a wire of diameter 14 cm and length 30 m is:**

$take\ \pi = \frac{22}{7}$

Ans

✗ A. 461800

✓ B. 462000

✗ C. 462700

✗ D. 462400

Q.28 **If the ratio of two numbers is 3 : 4 and their LCM is 72, then the sum of the two numbers is:**

Ans

✗ A. 24

✗ B. 18

✗ C. 36

✓ D. 42

Q.29 $0.25 + \frac{0.25}{4} - \frac{3}{8}$

Ans

✓ A. $-\frac{1}{16}$

✗ B. $\frac{1}{16}$

✗ C. $-\frac{1}{8}$

✗ D. $\frac{1}{8}$

Q.30 **A car travels 187 km in the first hour and 77 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?**

Ans

✗ A. 139

✗ B. 134

✗ C. 133

✓ D. 132

Q.31 **An electronic gadget is marked at ₹12,000. A store offers a 15% discount. Additionally, there is a seasonal discount of 5% on the discounted price. What is the final selling price of the gadget?**

Ans

✗ A. ₹10,000

✓ B. ₹9,690

✗ C. ₹9,840

✗ D. ₹9,600

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Q.32 The HCF of $x^{1.5} \times y^{2.5}$ and $y^{3.5} \times x^{2.5}$ is _____.

Ans

✔ A. $x \times y^2 \times \sqrt{x \times y}$

✘ B. $x^2 \times y \times \sqrt{x \times y}$

✘ C. $x^2 \times y^2 \times \sqrt{x \times y}$

✘ D. $x \times y \times \sqrt{x \times y}$

Q.33 **A sum, when invested at 10% simple interest per annum, amounts to ₹3840 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?**

Ans

✘ A. 640

✘ B. 160

✘ C. 1280

✔ D. 320

Q.34 **The average of first 143 even numbers is**

Ans

✘ A. 143.5

✘ B. 144.5

✔ C. 144

✘ D. 145

Q.35 **Train A leaves station M at 7:45 AM and reaches station N at 2:45 PM on the same day. Train B leaves station N at 9:45 AM and reaches station M at 2:45 PM on the same day. Find the time when Trains A and B meet.**

Ans

✘ A. 9:49 AM

✔ B. 11:50 AM

✘ C. 2:50 AM

✘ D. 9:21 PM

Section : **General Intelligence and Reasoning**

Q.36 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) 9 5 < ? * $ 1 \ 4 7 8 @ 4 # 7 & 6 > $ 2 * (Right)

How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

Ans

✘ A. One

✘ B. Three

✔ C. Two

✘ D. None

Q.37 **If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?**
49 A 7 D 6 C 36 B 4 = ?

Ans

✘ A. 140

✔ B. 145

✘ C. 146

✘ D. 144

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Q.38 **A, B, C, D, E, F and G are sitting around a circular table, facing the centre. A sits second to the left of F. E sits third to the left of A. D sits to the immediate right of B. G is not the immediate neighbour of E.**
How many people sit between G and D when counted from the left of G?

Ans
- ✗ A. Three
- ✗ B. Two
- ✗ C. Four
- ✓ D. One

Q.39 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)**

(Left) 5 # 8 7 + 1 2 > 5 7 8 = 6 3 % 7 @ 4 5 & 6 7 $ 4 1 9 (Right)

How many such symbols are there each of which is immediately preceded by an odd number and also immediately followed by an even number?

Ans
- ✗ A. Three
- ✗ B. Two
- ✗ C. One
- ✓ D. Four

Q.40 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

AXB HEI OLP VSW ?

Ans
- ✓ A. CZD
- ✗ B. CDZ
- ✗ C. CDR
- ✗ D. CRD

Q.41 **Each vowel in the word ACQUIRE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?**

Ans
- ✓ A. B
- ✗ B. Q
- ✗ C. P
- ✗ D. J

Q.42 **Seven persons Sapna, Radhika, Natasha, Doli, Leena, Sonia, and Surekha are sitting on a circular table facing the centre. Radhika is sitting immediately to the right of Natasha. Sapna is the only person sitting between Surekha and Radhika, when counted from the left of Surekha. There is exactly one person sitting between Leena and Surekha, when counted from the left of Leena. Leena is sitting second to the left of Natasha. Doli comes at number 4 when counted from the right of Sapna. Who is sitting to the immediate right of Doli?**

Ans
- ✗ A. Sonia
- ✓ B. Natasha
- ✗ C. Radhika
- ✗ D. Leena

Q.43 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 475126, what will be the difference between the highest and lowest digits in the number thus formed?**

Ans
- ✗ A. 5
- ✓ B. 8
- ✗ C. 7
- ✗ D. 6

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Q.44 **FAT is related to IDW in a certain way based on the English alphabetical order. In the same way, HBP is related to KES. To which of the following is ISM related, following the same logic?**

Ans

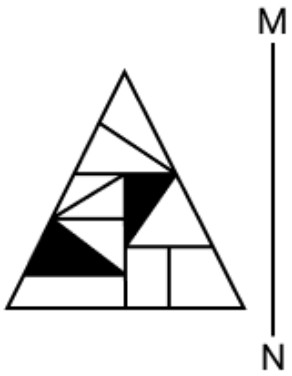
✗ A. MUQ

✗ B. MUP

✓ C. LVP

✗ D. LVQ

Q.45



Ans

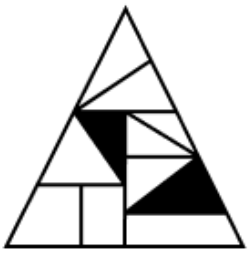
✗ A.



✗ B.



✓ C.



✗ D.



Q.46 **RFBU is related to YYIN in a certain way based on the English alphabetical order. In the same way, TDDS is related to AWKL. To which of the given options is OIYX related, following the same logic?**

Ans

✓ A. VBFQ

✗ B. VFQB

✗ C. VQFB

✗ D. VQBF

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Q.47 **This question is based on the five, three-digit numbers given below.**

(Left) 246 317 209 349 294 (Right)

(Example- 697 – First digit = 6, second digit = 9, and third digit = 7)
(Note: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

Ans
- ✔ A. 13
- ✘ B. 15
- ✘ C. 11
- ✘ D. 12

Q.48 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✘ A. FG - JK
- ✘ B. MN - QR
- ✘ C. ST - WX
- ✔ D. BC - GH

Q.49 **In a certain code language, 'FISH' is coded as '8219' and 'SHIP' is coded as '1852'. What is the code for 'P' in the given code language?**

Ans
- ✘ A. 8
- ✔ B. 5
- ✘ C. 2
- ✘ D. 1

Q.50 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✘ A. NIP
- ✘ B. KFM
- ✔ C. TOU
- ✘ D. QLS

Q.51 **What should come in place of the question mark (?) in the given series?**

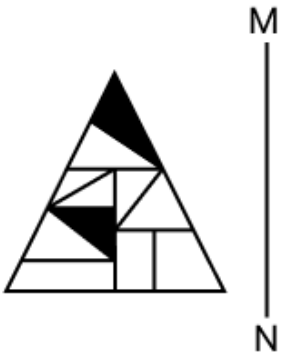
1341, 1344, 675, ?, 60, 15

Ans
- ✘ A. 198
- ✔ B. 228
- ✘ C. 218
- ✘ D. 138

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Q.52



Ans

✗ A.



✓ B.



✗ C.



✗ D.



Q.53 **Seven boxes R, O, C, K, E, T and S are kept one over the other but not necessarily in the same order. Only two boxes are kept below E. Only three boxes are kept between C and E. Only one box is kept between T and O. O is kept immediately above E. Only four boxes are kept between T and S. R is kept at some place above K. How many boxes are kept above R?**

Ans

✓ A. Two

✗ B. One

✗ C. Three

✗ D. Four

Q.54 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

VKJ WIM XGP YES ?

Ans

✗ A. ZBV

✗ B. ACV

✗ C. ABV

✓ D. ZCV

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Q.55 **What should come in place of the question mark (?) in the given series?**

5 8 14 23 35 ?

Ans

✗ A. 52

✗ B. 51

✓ C. 50

✗ D. 49

Q.56 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
No pen is a box.
No box is a crayon.
Conclusions:
(I): No pen is a crayon.
(II): Some boxes are pens.

Ans

✗ A. Only conclusion (I) follows.

✗ B. Both conclusions (I) and (II) follow.

✓ C. Neither conclusion (I) nor (II) follows.

✗ D. Only conclusion (II) follows.

Q.57 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

PDM NFJ LHG JJD ?

Ans

✗ A. GKZ

✓ B. HLA

✗ C. GKA

✗ D. HKA

Q.58 **Sharon starts from Point A and drives 9 km towards west. He then takes a left turn, drives 9 km, turns left and drives 12 km. He then takes a left turn and drives 14 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans

✓ A. 5 km to the south

✗ B. 3 km to the south

✗ C. 2 km to the south

✗ D. 4 km to the south

Q.59 **In a certain code language,**
A + B means 'A is the sister of B',
A − B means 'A is the brother of B',
A × B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

How is P related to T if 'P − Q + R ÷ S × T'?

Ans

✗ A. Wife's mother's father

✗ B. Wife's mother's brother

✓ C. Wife's father's brother

✗ D. Wife's father's father

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Q.60 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some shoes are coats.
Some coats are belts.

Conclusions:
(I) All shoes are belts.
(II) Some coats are shoes.

Ans

✗ A. Neither conclusion (I) nor (II) follows.

✗ B. Only conclusion (I) follows.

✓ C. Only conclusion (II) follows.

✗ D. Both conclusions (I) and (II) follow.

Q.61 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 10, 16)
(8, 13, 22)

Ans

✓ A. (9, 14, 24)

✗ B. (16, 11, 18)

✗ C. (20, 25, 104)

✗ D. (12, 17, 38)

Q.62 **Muna starts from Point A and drives 7 km towards the west. He then takes a left turn, drives 5 km, turns left and drives 10 km. He then takes a left turn and drives 12 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans

✗ A. 10 km to the north

✗ B. 8 km to the north

✗ C. 5 km to the south

✓ D. 7 km to the south

Q.63 **In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.**

MONK - OMNK - KNOM
KEAN - EKAN - NAEK

Ans

✓ A. RICE - IRCE - ECIR

✗ B. MOLE - OMLE - OLEM

✗ C. NEAL - ENAL - LEAN

✗ D. RAIN - RIAN - NIAR

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Q.64 In a certain code language,
A = B means 'A is the sister of B',
A $ B means 'A is the brother of B',
A @ B means 'A is the wife of B',
A * B means 'A is the father of B'.

Based on the above, how is T related to K if 'T @ D * S $ W = K'?

Ans
- ✗ A. Sister
- ✓ B. Mother
- ✗ C. Husband
- ✗ D. Wife

Q.65 What should come in place of the question mark (?) in the given series?

26 37 50 65 82 ?

Ans
- ✓ A. 101
- ✗ B. 118
- ✗ C. 94
- ✗ D. 110

Q.66 If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?
16 − 7 ÷ 3 + 25 × 5 = ?

Ans
- ✗ A. 100
- ✗ B. 112
- ✗ C. 102
- ✓ D. 110

Q.67 In a certain code language, 'LOSE' is coded as '3278' and 'SEAL' is coded as '7683'. What is the code for 'A' in the given code language?

Ans
- ✗ A. 7
- ✓ B. 6
- ✗ C. 8
- ✗ D. 3

Q.68 In a certain code language, '78&R' is coded as 'WQOZ' and 'R&67' is coded as 'MOZQ'. What is the code for '6' in the given code language?

Ans
- ✗ A. O
- ✗ B. Q
- ✓ C. M
- ✗ D. Z

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Q.69 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All crows are tickets.
Some tickets are dolphins.
All magpies are tickets.

Conclusions:
(I) Some magpies are crows.
(II) Some crows are dolphins.

Ans
- ✗ A. Both conclusions (I) and (II) follow.
- ✗ B. Only conclusion (II) follows.
- ✓ C. Neither conclusion (I) nor (II) follows.
- ✗ D. Only conclusion (I) follows.

Q.70 **Seven boxes A, B, C, D, L, M and N are kept one over the other but not necessarily in the same order. L is kept second from the bottom. Only three boxes are kept between L and M. D is kept at one of the positions below L. Only B is kept between M and N. A is kept at one of the positions above M. How many boxes are kept between N and D?**

Ans
- ✓ A. Four
- ✗ B. Two
- ✗ C. Three
- ✗ D. One

Section : **General Awareness**

Q.71 **What was the name of the high-altitude military exercise conducted by the Indian Army in Ladakh in August 2024?**

Ans
- ✓ A. Parvat Prahaar
- ✗ B. Yudh Abhyas
- ✗ C. Desert Strike
- ✗ D. HimVijay

Q.72 **What was the net foreign portfolio investment (FPI) inflow amount recorded in September 2024?**

Ans
- ✗ A. US $5.9 billion
- ✗ B. US $6.6 billion
- ✓ C. US $9.6 billion
- ✗ D. US $7.9 billion

Q.73 **In rural development, technology that can be added in development without displacing labour and at less expenditure is called _____.**

Ans
- ✗ A. labour displacement technology
- ✓ B. labour intensive technology
- ✗ C. capital intensive technology
- ✗ D. capital displacement technology

Q.74 **_____ launched digital prediabetes risk checker tool for early diagnosis in November 2024 in India.**

Ans
- ✗ A. Metropolis Labs
- ✗ B. Glenmark Labs
- ✓ C. Redcliffe Labs
- ✗ D. Apollo Labs

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Q.75 **Which of the following Acts introduced the bicameral system of legislature in India?**

Ans

✗ A. Simon Commission, 1927

✗ B. Indian Independence Act, 1947

✓ C. Government of India Act, 1919

✗ D. Government of India Act, 1935

Q.76 **Gauri Diwakar is a famous ____ dancer.**

Ans

✗ A. Manipuri

✓ B. Kathak

✗ C. Kathakali

✗ D. Odissi

Q.77 **India ranks ___ in global ethanol production as per India-Biotech-Handbook-2024.**

Ans

✗ A. second

✓ B. third

✗ C. sixth

✗ D. fourth

Q.78 **Which of the following is the largest container port in India?**

Ans

✗ A. Kandla Port

✓ B. Mumbai Port

✗ C. Nhava Sheva Port

✗ D. Visakhapatnam Port

Q.79 **How much FDI did India attract between April 2014 and June 2024?**

Ans

✗ A. $1 trillion

✗ B. $500 billion

✓ C. $689.88 billion

✗ D. $667.41 billion

Q.80 **What is meant by a 'depleted economy,' as observed in India at the time of independence?**

Ans

✗ A. An economy with a high level of foreign debt and reliance on imports

✗ B. An economy that has a surplus of physical assets but lacks skilled labour

✓ C. An economy with no provisions to replace physical assets that have deteriorated due to excessive use

✗ D. An economy that relies heavily on agriculture with minimal industrial development

Q.81 **The mole (mol) is used to measure which of the following?**

Ans

✗ A. Temperature of a substance

✓ B. Amount of substance

✗ C. Conductivity of a substance

✗ D. Pressure of a gas

Q.82 **Which of the following organisations publish the Human Development Index?**

Ans

✗ A. World Bank

✓ B. United Nations Development Programme

✗ C. International Monetary Fund

✗ D. World Health Organization

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Q.83 **The word 'vaishya' comes from which word in the Vedic period?**

Ans

✔ A. Vish

✘ B. Vigraha

✘ C. Vasnva

✘ D. Vidaya

Q.84 **Which of the following notes are used together in the early morning raga Lalit?**

Ans

✘ A. G and G'

✘ B. P and P'

✔ C. M and M'

✘ D. N and N'

Q.85 **Which of the following teams won the 2024 Copa America championship?**

Ans

✔ A. Argentina

✘ B. Brazil

✘ C. Chile

✘ D. Uruguay

Q.86 **Which of the following was NOT a reason for the unrest among Indian soldiers for the British before 1857?**

Ans

✘ A. British disregard for Indian customs

✘ B. Poor pay and bad conditions

✘ C. The annexation of Indian territories by the British

✔ D. Support for the Mughal emperor

Q.87 **The Luni River, flowing through the Thar Desert, eventually flows into:**

Ans

✔ A. Rann of Kutch

✘ B. Arabian Sea

✘ C. Palk Bay

✘ D. Bay of Bengal

Q.88 **According to 2001 Census, _____ of Indians live in about 7,89,201 villages.**

Ans

✘ A. 73.12%

✘ B. 80.14%

✔ C. 72.22%

✘ D. 63.86%

Q.89 **Who made the first official demand for the partition of Bengal?**

Ans

✘ A. Lala Lajpat Rai

✘ B. AO Hume

✔ C. Lord Curzon

✘ D. Lord Dufferin

Q.90 **Which Amendment of the Indian Constitution introduced the concept of 'Panchayat Raj' in India?**

Ans

✘ A. 1. 61st Amendment

✔ B. 2. 73rd Amendment

✘ C. 3. 44th Amendment

✘ D. 4. 74th Amendment

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Q.91 **Which of the following statements about Public Interest Litigation (PIL) in India is INCORRECT?**

Ans

✗ A. PIL is used to advance human rights and address issues of public concern.

✗ B. PILs can only be filed in the Supreme Court or High Courts in India.

✗ C. PIL can be filed by any individual or organisation for the general public's benefit.

✓ D. PILs are the same as Writ Petitions, as both are filed for individual interests.

Q.92 **The ESG disclosures under SEBI's BRSR requirements are intended to improve compliance in which of the following areas?**

Ans

✗ A. Ethical, Sustainable and Governance standards

✓ B. Environmental, Social and Governance standards

✗ C. Ethical, Social and Governance standards

✗ D. Environmental, Sustainable and Governance standards

Q.93 **In December 2024, the 52nd meeting of the Monetary Policy Committee (MPC) was held under which section of the Reserve Bank of India Act, 1934?**

Ans

✗ A. Section 45ZL

✗ B. Section 45ZM

✗ C. Section 45ZC

✓ D. Section 45ZB

Q.94 **Who allied with Annie Besant for the Home Rule Movement?**

Ans

✗ A. Rajendra Prasad

✗ B. CR Das

✓ C. Bal Gangadhar Tilak

✗ D. BR Ambedkar

Q.95 **The Samhitas represent the _____ segment/part of each Veda, comprising a compilation of mantras.**

Ans

✓ A. first

✗ B. second

✗ C. third

✗ D. fourth

Q.96 **What is the jurisdiction of a District Judge when dealing with civil matters?**

Ans

✗ A. They can only issue judgements without hearing arguments.

✓ B. They have original and appellate jurisdiction.

✗ C. They only deal with small claims and petty disputes.

✗ D. They can only hear appeals from lower courts.

Q.97 **The First Five Year Plan in India primarily focused on which sector?**

Ans

✗ A. Industry

✗ B. Education

✓ C. Agriculture

✗ D. Transport

Q.98 **In the Vedic period, which of the following was considered the highest social class of society?**

Ans

✗ A. Shudra

✗ B. Vaishya

✓ C. Brahmin

✗ D. Kshatriya

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Q.99 **In October 2024, India's first village, related to which of the following, was inaugurated in Dehradun?**

Ans
- ✔ A. Writers
- ✘ B. Pottery
- ✘ C. Dancers
- ✘ D. Defence personnel

Q.100 **To which part of the human body does cochlea belong?**

Ans
- ✔ A. Ear
- ✘ B. Eye
- ✘ C. Throat
- ✘ D. Nose

Q.101 **Which physiographic division of India includes the Great Indian Plains?**

Ans
- ✘ A. The Coastal Plains
- ✘ B. The Peninsular Plateau
- ✔ C. The Northern Plains
- ✘ D. The Northern Mountains

Q.102 **In which type of forest is scrub vegetation typically found in India?**

Ans
- ✘ A. Tropical Evergreen forests
- ✔ B. Tropical Thorn forests
- ✘ C. Littoral and Swamp forests
- ✘ D. Montane forests

Q.103 **In which of the following countries, was the UEFA Champions League 2023/24 final match held in June 2024?**

Ans
- ✔ A. England
- ✘ B. Philippines
- ✘ C. Nepal
- ✘ D. China

Q.104 **Idukki Hydroelectric Power Project is located in which state?**

Ans
- ✘ A. Telangana
- ✘ B. Karnataka
- ✔ C. Kerala
- ✘ D. Jharkhand

Q.105 **Prof. Govindarajan Padmanabhan, recipient of the first Vigyan Ratna Award in 2024, is related to which of the following fields?**

Ans
- ✘ A. Food Processing
- ✘ B. Power Electronics
- ✔ C. Molecular Biology and Biotechnology Research
- ✘ D. Atomic Energy

Q.106 **Nitrogen is an essential element in biochemistry. What is its atomic number?**

Ans
- ✔ A. 7
- ✘ B. 11
- ✘ C. 5
- ✘ D. 14

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Q.107 **Which of the following Indian veteran actresses and dancers was awarded the Padma Vibhushan in 2024?**

Ans
- ✔ A. Vyjayanthimala Bali
- ✘ B. Shabana Azmi
- ✘ C. Hema Malini
- ✘ D. Sharmila Tagore

Q.108 **How many commodities are currently supported by the government's Minimum Support Price (MSP) as given in Economic Survey 2024?**

Ans
- ✘ A. 25
- ✘ B. 20
- ✘ C. 18
- ✔ D. 23

Q.109 **The rights mentioned in Part III of the Indian Constitution are termed as ____.**

Ans
- ✘ A. Economic Rights
- ✘ B. Legal Rights
- ✘ C. Fundamental Rights
- ✔ D. Foundational Rights

Q.110 **Who among the following was the President of the Constituent Assembly?**

Ans
- ✘ A. Vallabhbhai Patel
- ✔ B. Dr. Rajendra Prasad
- ✘ C. Dr. BR Ambedkar
- ✘ D. Jawaharlal Nehru

Q.111 **The sun and other stars are mostly composed of which of the following states of matter?**

Ans
- ✘ A. Gas
- ✘ B. Solid
- ✘ C. Liquid
- ✔ D. Plasma

Q.112 **Who among the following was the leader of the Revolt of 1857 from Mathura?**

Ans
- ✘ A. Firoz Shah
- ✘ B. Raja Pratap Singh
- ✔ C. Devi Singh
- ✘ D. Maulvi Liyakat Ali

Q.113 **Name the author who wrote the book 'Kavyadarsha'.**

Ans
- ✘ A. Kundakunda
- ✘ B. Badarayana
- ✘ C. Jaimini
- ✔ D. Dandin

Q.114 **What does the Law of Conservation of Energy state?**

Ans
- ✘ A. Energy can be created from matter.
- ✘ B. Energy can be created and destroyed.
- ✔ C. Energy can neither be created nor destroyed.
- ✘ D. Energy is lost in every energy transfer process.

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Q.115 Which leader(s) represented the Bengal group of Extremists?

Ans
- ✗ A. Dayananda Saraswati
- ✓ B. BC Pal and Aurobindo
- ✗ C. Lala Lajpat Rai
- ✗ D. BG Tilak

Q.116 When was the first passenger train service in India started?

Ans
- ✗ A. 1903
- ✓ B. 1853
- ✗ C. 1925
- ✗ D. 1885

Q.117 Which of the following are the main reasons for the excessive cold in north India during the winter season?

(1) Presence of moderating influence of sea
(2) Snowfall in the Himalayan ranges
(3) Coming of cold winds from the Caspian Sea and Turkmenistan

Ans
- ✓ A. Only 2 and 3
- ✗ B. Only 1 and 2
- ✗ C. 1, 2 and 3
- ✗ D. Only 1 and 3

Q.118 Under which Act was the institution of Lok Adalat given statutory status in India?

Ans
- ✓ A. Legal Services Authorities Act, 1987
- ✗ B. Code of Civil Procedure, 1908
- ✗ C. 3. The Constitution (42nd Amendment) Act of 1976
- ✗ D. Arbitration and Conciliation Act, 1996

Q.119 In July 2024, the Weapon Systems School (WSS) was inaugurated in which city by Chief of the Air Staff?

Ans
- ✓ A. Hyderabad
- ✗ B. Pune
- ✗ C. Puri
- ✗ D. Chandigarh

Q.120 The Sagarmala programme is the flagship programme to promote port-led development in the country through harnessing India's 7,500 km long coastline. 14,500 km of potentially navigable waterways was approved by the Union cabinet in the year _____.

Ans
- ✗ A. 2013
- ✗ B. 2010
- ✗ C. 2017
- ✓ D. 2015

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	12/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 $The\ value\ of\ \left(\frac{15625}{4}\right)^{-\left(\frac{3}{2}\right)} \times \left(\frac{5}{2}\right)^{5} \div \sqrt[4]{(625)^{-3}}\ \ is:$

Ans

✔ A. $\frac{1}{20}$

✘ B. $\frac{1}{26}$

✘ C. $\frac{1}{29}$

✘ D. $\frac{1}{22}$

Q.2 **There are 2822 students in a school and the ratio of boys to girls in the school is 36 : 47, then find the number of boys in school.**

Ans

✘ A. 1207

✘ B. 1218

✘ C. 1226

✔ D. 1224

Q.3 **In what ratio should sugar costing ₹78 per kg be mixed with sugar costing ₹14 per kg so that by selling the mixture at ₹73.5 per kg, there is a profit of 47%?**

Ans

✘ A. 34 : 27

✘ B. 35 : 30

✘ C. 37 : 26

✔ D. 36 : 28

Q.4 **A number when increased by 40 %', gives 3780. The number is:**

Ans

✘ A. 8100

✔ B. 2700

✘ C. 5400

✘ D. 1350

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Q.5 **A man rows down a river of length 24 km in 4 hours with the stream and returns in 8 hours. What is the speed of the boat in still water?**

Ans

✗ A. 6.3 km/h

✗ B. 9.4 km/h

✓ C. 4.5 km/h

✗ D. 5.4 km/h

Q.6 **If the radius of the base of a right circular cylinder is decreased by 32% and its height is increased by 168%, then what is the percentage increase (closest integer) in its volume?**

Ans

✗ A. 46%

✓ B. 24%

✗ C. 23%

✗ D. 6%

Q.7 **Find the value of** $\left(\frac{1}{5}\right)^{-4} + \left(\frac{1}{9}\right)^{-4} + \left(\frac{1}{2}\right)^{-4}$.

Ans

✗ A. 7211

✗ B. 7195

✓ C. 7202

✗ D. 7197

Q.8

Find the value of $\left[\left(\frac{9}{5}\right)^{-6} \times \left(\frac{5}{9}\right)^{-4} \times \left(\frac{1}{3}\right)^{-2} \right]^{-2}$

Ans

✗ A. $\left(\frac{15}{9}\right)^{6}$

✗ B. $\left(\frac{9}{25}\right)^{4}$

✓ C. $\left(\frac{9}{5}\right)^{4}$

✗ D. $\left(\frac{11}{15}\right)^{3}$

Q.9 **There are 380 members in a club; 25% more persons joined the club. What is the new strength of the club?**

Ans

✓ A. 475

✗ B. 450

✗ C. 405

✗ D. 425

Q.10 **6 men can complete a piece of work in 10 days while 3 women can do it in 14 days. In how many days can 7 women and 5 men complete it?**

Ans

✗ A. 6 days

✗ B. 8 days

✗ C. 7 days

✓ D. 4 days

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Q.11 Simplify $10^3 - 3^3 - 2^3/10^2 + 10^2 \times 35 \div 7$.

Ans

✗ A. 1472.29

✗ B. 1427.92

✓ C. 1472.92

✗ D. 1427.29

Q.12 A gift in the form of a cube, whose side measures 10 cm, has to be wrapped with gift paper, which costs ₹0.05 per cm^2. Find the cost of the gift wrap.

Ans

✓ A. ₹30

✗ B. ₹60

✗ C. ₹300

✗ D. ₹600

Q.13 Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Mukund borrowed an amount of ₹440000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Mukund after 4 years.

Ans

✗ A. 45500

✓ B. 44000

✗ C. 43500

✗ D. 45000

Q.14 A and B together can do a piece of work in 13 days and A alone can do it in 18 days. In how many days can B alone do it?

Ans

✗ A. $46\frac{2}{5}$ days

✗ B. $46\frac{3}{5}$ days

✗ C. $46\frac{1}{5}$ days

✓ D. $46\frac{4}{5}$ days

Q.15 The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 123. Find the average of theremaining two numbers?

Ans

✗ A. 199

✗ B. 192

✓ C. 191

✗ D. 198

Q.16 An amount of ₹20,000 is invested at an annual interest rate of 10%, compounded annually. What will be the compound interest earned after 3 years?

Ans

✗ A. ₹5,625

✗ B. ₹6,430

✗ C. ₹6,777

✓ D. ₹6,620

Q.17 Find the value of 7.56 + 3.48 − 8.52 + 2.78 − 3.14.

Ans

✓ A. 2.16

✗ B. 3.25

✗ C. 2.01

✗ D. 3.85

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Q.18 The average of first 116 even numbers is

Ans
- ✔ A. 117
- ✘ B. 116.5
- ✘ C. 118
- ✘ D. 117.5

Q.19 Pipes A and B can fill an empty cistern in 13 minutes and 39 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 27 minutes?

Ans
- ✔ A. 4 min
- ✘ B. 10 min
- ✘ C. 5 min
- ✘ D. 7 min

Q.20 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 118. Find the average of the remaining two numbers?

Ans
- ✔ A. 190.5
- ✘ B. 197
- ✘ C. 196
- ✘ D. 191.5

Q.21 The HCF of $2^{18}-1$ and $2^{20}-1$ is ____.

Ans
- ✘ A. 65
- ✘ B. 7
- ✘ C. 15
- ✔ D. 3

Q.22 What is the largest four-digit number which is exactly divisible by 92?

Ans
- ✘ A. 9,996
- ✘ B. 9,944
- ✔ C. 9,936
- ✘ D. 9,984

Q.23 A bike goes 23 meters in a second. Find its speed in km/hr.

Ans
- ✔ A. 82.8
- ✘ B. 75.5
- ✘ C. 84.9
- ✘ D. 80.3

Q.24 The HCF of 36, 48 and 172 is _____.

Ans
- ✘ A. 12
- ✘ B. 8
- ✘ C. 6
- ✔ D. 4

Q.25 The difference between a discount of 30% on ₹2,200 and two successive discounts of 25% and 5% on the same amount is:

Ans
- ✘ A. ₹28.5
- ✔ B. ₹27.5
- ✘ C. ₹25.5
- ✘ D. ₹26.5

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Q.26 The sum of 10 numbers is 324. Find their average.

Ans
- ✗ A. 33.4
- ✗ B. 31.4
- ✓ C. 32.4
- ✗ D. 30.4

Q.27 P sells an item to Q at 54% profit. Q sells the same item to R at 60% loss. If R paid ₹ 5467 for the item, then at what price (in ₹) is the item purchased by P?

Ans
- ✓ A. 8875
- ✗ B. 8876
- ✗ C. 8872
- ✗ D. 8873

Q.28 A 214 m long train crosses a man walking at a speed of 5.7 km/h in the opposite direction in 9 seconds. What is the speed (in km/h) of the train?

Ans
- ✗ A. 82.8
- ✗ B. 84.3
- ✓ C. 79.9
- ✗ D. 83.7

Q.29 The ratio of investments of two partners A and B is 7 : 9 and the ratio of their profits is 7 : 8. If A invested the money for 9 months, for how much time did B invested his money?

Ans
- ✓ A. 8 months
- ✗ B. 10 months
- ✗ C. 9 months
- ✗ D. 11 months

Q.30 A car travels 243 km in the first hour and 225 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?

Ans
- ✗ A. 238
- ✓ B. 234
- ✗ C. 240
- ✗ D. 243

Q.31 A person buys a toy for ₹70 and sells it for ₹91. What will be his gain percentage?

Ans
- ✗ A. 20%
- ✗ B. 50%
- ✓ C. 30%
- ✗ D. 40%

Q.32 The perimeter of a square is 14 cm. If each side of the square is increased by x cm, its area increases by 120 cm^2. What is the value of x?

Ans
- ✗ A. 5
- ✓ B. 8
- ✗ C. 6
- ✗ D. 7

Q.33 The amount that ₹4,375 computes in 2 years at annual compound interest, if the rates for the successive years be 8% and 12% per annum, respectively, is:

Ans
- ✓ A. ₹5,292
- ✗ B. ₹5,250
- ✗ C. ₹4,812
- ✗ D. ₹4,417

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Q.34 After 58 litres of petrol was poured into an empty storage tank, it was still 1% empty. How much petrol (in litres, rounded off to two decimal place) must be poured into the storage tank in order to fill it?

Ans

✗ A. 57.59

✗ B. 59.59

✗ C. 59

✓ D. 58.59

Q.35 A chair is listed at ₹600 and a discount of 8% is given. The selling price is:

Ans

✗ A. ₹584

✗ B. ₹592

✗ C. ₹600

✓ D. ₹552

Section : **General Intelligence and Reasoning**

Q.36 A, B, C, D, E, F and G are sitting around a circular table, facing the centre. E sits to the immediate right of G. C sits third to the left of E. F is the immediate neighbour of B and D. A sits third to the left of D.
How many people sit between E and B when counted from the left of B?

Ans

✗ A. Four

✗ B. Five

✓ C. Two

✗ D. Three

Q.37 Shivam starts from Point A and drives 11 km towards south. He then takes a right turn, drives 8 km, turns right and drives 13 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

Ans

✗ A. 4 km to the west

✗ B. 4 km to the east

✗ C. 3 km to the east

✓ D. 3 km to the west

Q.38 In a certain code language,
A # B means ' A is the brother of B'
A ! B means 'A is the wife of B'
A + B means 'A is the mother of B'
A ~ B means 'A is the father of B'
Based on the above, how is L related to T if 'L # I ! G ~ H + T'?

Ans

✗ A. Mother's mother's father

✗ B. Mother's sister's son

✓ C. Mother's mother's brother

✗ D. Mother's daughter's son

Q.39 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6721584, what will be the sum of the digits that are second from the left and second from the right?

Ans

✓ A. 14

✗ B. 12

✗ C. 13

✗ D. 10

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Q.40 In a certain code language, '7029' is coded as 'RYXQ' and '2069' is coded as 'QSXY'.What is the code for '6' in the given code language?

Ans

✗ A. X

✗ B. Y

✓ C. S

✗ D. Q

Q.41 Each of D, I, R, E, C, T and S has holidays on a different day of a week, starting from Monday and ending on Sunday of the same week. Only S has a holiday after T. Only three people have holidays between C and T. Only three people have holidays between D and S. E has a holiday on some day before I and on some day after R. How many people have a holiday before D?

Ans

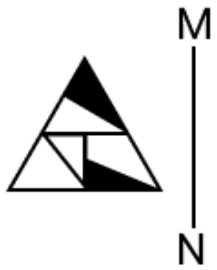
✓ A. Two

✗ B. Zero

✗ C. Three

✗ D. One

Q.42



Ans

✓ A.



✗ B.



✗ C.



✗ D.



Q.43 Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).

(Left) 7 9 8 9 4 8 5 6 8 7 2 2 6 7 1 7 8 4 8 2 5 5 1 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

Ans

✗ A. One

✗ B. None

✓ C. Two

✗ D. Three

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Q.44 **Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.**

IK – LN – OQ
GC – JF – MI

Ans
- ✗ A. DP – GS – JU
- ✓ B. AM – DP – GS
- ✗ C. CH – GK – JO
- ✗ D. NF – RJ – TL

Q.45 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

RJD : NNZ
IKA : EOW

Ans
- ✗ A. SNG : ORK
- ✓ B. HPK : DTG
- ✗ C. MRC : IVX
- ✗ D. SFT : OBP

Q.46 **Satish starts from Point A and drives 11 km towards North. He then takes a right turn, drives 12 km, turns right and drives 5 km. He then takes a right turn and drives 23 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)**

Ans
- ✗ A. 10 km towards North
- ✗ B. 11 km towards West
- ✓ C. 11 km towards East
- ✗ D. 12 km towards South

Q.47 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
Some coats are elephants.
All elephants are stories.

Conclusions:
(I) : Some coats are stories.
(II) : Some stories are elephants.

Ans
- ✓ A. Both conclusions (I) and (II) follow
- ✗ B. Only conclusion (II) follows
- ✗ C. Only conclusion (I) follows
- ✗ D. Neither conclusion (I) nor (II) follows

Q.48 **In a certain code language, 'HIDE' is coded as '2453' and 'HELD' is coded as '5314'. What is the code for 'L' in the given code language?**

Ans
- ✗ A. 4
- ✗ B. 5
- ✗ C. 3
- ✓ D. 1

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Q.49 **In a certain code language,**

'A ÷ B' means 'A is the wife of B',
'A # B' means 'A is the father of B',
'A ! B' means ' A is the brother of B' and
'A @ B' means 'A is the sister of B'.

How is T related to Z if 'T @ U ! W # X ÷ Z'?

Ans

✗ A. Wife's father's daughter

✓ B. Wife's father's sister

✗ C. Wife's father's brother

✗ D. Wife's father's son

Q.50 **Each of the digits in the number 6315428 is arranged in descending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?**

Ans

✗ A. Three

✗ B. Two

✓ C. One

✗ D. None

Q.51 **E, F, G, H, I, and J are sitting around a circular table facing the centre. F sits second to the left of J. I is an immediate neighbour of F. Only H sits between I and E. How many people sit between G and H when counted from the right of G?**

Ans

✓ A. Two

✗ B. None

✗ C. One

✗ D. Three

Q.52 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. GI - MO

✗ B. RT - XZ

✗ C. PR - VX

✓ D. MJ - RV

Q.53 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 14, 21)
(7, 18, 25)

Ans

✗ A. (10, 29, 36)

✗ B. (6, 15, 22)

✗ C. (9, 14, 21)

✓ D. (8, 20, 27)

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Q.54 **AXVJ is related to MIFS in a certain way based on the English alphabetical order. In the same way, WPJT is related to IATC. To which of the given options is GWNU related, following the same logic?**

Ans

✗ A. SXDH

✓ B. SHXD

✗ C. SHDX

✗ D. SXHD

Q.55 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. OL-SQ

✓ B. HE-LI

✗ C. UR-YW

✗ D. MJ-QO

Q.56 **In a certain code language, 'SINE' is coded as '2893' and 'NOSE' is coded as '1293'. What is the code for 'O' in the given code language?**

Ans

✗ A. 3

✗ B. 2

✗ C. 9

✓ D. 1

Q.57 **Six friends R, S, T, X, Y, and Z are sitting in a straight line facing north. Only two people sit to the left of X. S sits second to the right of X. Only one person sits between X and T. Only two persons sit to the right of Z. Y is not an immediate neighbour of X. How many people sit between Y and R?**

Ans

✓ A. Three

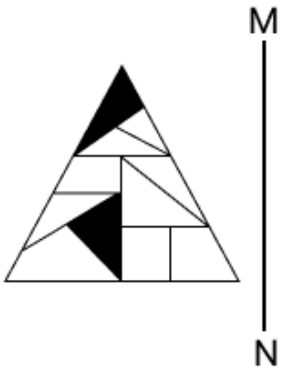
✗ B. One

✗ C. Two

✗ D. Four

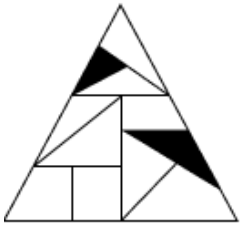
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Q.58

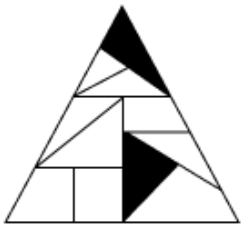


Ans

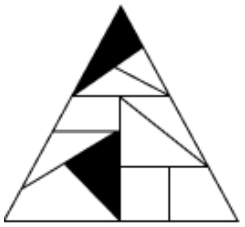
✗ A.



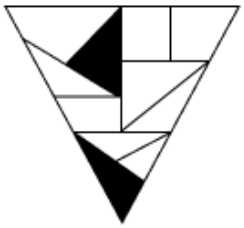
✓ B.



✗ C.



✗ D.



Q.59 **Seven boxes A, B, C, D, L, M and N are kept one over the other but not necessarily in the same order.**
N is kept immediately above L. M is kept immediately above B. Only A is kept above C. Only two boxes are kept above N. M is not kept at the third position from the bottom.
How many boxes are kept between D and A?

Ans

✗ A. Two

✓ B. Three

✗ C. Four

✗ D. One

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Q.60 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All books are guides.
No guide is a reference.
No guide is a novel.
Conclusions:
(I): No book is a reference.
(II): Some novels are references.

Ans
✗ A. Neither conclusion (I) nor (II) follows.
✓ B. Only conclusion (I) follows.
✗ C. Both conclusions (I) and (II) follow.
✗ D. Only conclusion (II) follows.

Q.61 **This question is based on the five, three-digit numbers given below.**

(Left) 436 147 325 594 672 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, the position of how many number(s) will remain unchanged?

Ans
✗ A. None
✗ B. One
✓ C. Two
✗ D. Three

Q.62 **What should come in place of the question mark (?) in the given series?**

782 780 776 770 762 ?

Ans
✗ A. 756
✓ B. 752
✗ C. 754
✗ D. 750

Q.63 **This question is based on the five, three-digit numbers given below.**

(Left) 421 731 375 762 547 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

Ans
✗ A. 3
✓ B. 0
✗ C. 1
✗ D. 2

Q.64 **If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?**
18 B 3 D 16 A 4 C 11 = ?

Ans
✗ A. 69
✗ B. 59
✗ C. 41
✓ D. 61

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Q.65 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UBIP DKRY MTAH VCJQ ?

Ans

✗ A. ELZS

✓ B. ELSZ

✗ C. SLEZ

✗ D. SLZE

Q.66 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ULX RJU OHR LFO ?

Ans

✗ A. JDL

✗ B. IDK

✗ C. ICL

✓ D. IDL

Q.67 What should come in place of the question mark (?) in the given series?

74 75 67 94 30 ?

Ans

✓ A. 155

✗ B. 264

✗ C. 165

✗ D. 246

Q.68 What should come in place of the question mark (?) in the given series?

62, 71, 89, 116, ?, 197

Ans

✗ A. 162

✓ B. 152

✗ C. 123

✗ D. 142

Q.69 Select the term from among the given options that can replace the question mark (?) in the following series.
UY21 TX29 SW37 RV45 ?

Ans

✗ A. QU54

✗ B. QV54

✗ C. QV53

✓ D. QU53

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Q.70 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).**

Statements:

Some shoes are crocs.

All crocs are formals.

Some crocs are blankets.

Conclusions:

I. Some shoes are blankets.

II. At least some blankets are formals.

Ans

✗ A. Neither I nor II follows

✗ B. Both I and II follow

✓ C. Only II follows

✗ D. Only I follows

Section : **General Awareness**

Q.71 **Name the author who wrote the book Tajul-Ma'asir, considered as the first official history of the Delhi Sultanate.**

Ans

✗ A. Ibn Battuta

✗ B. Abdur Razzaq

✓ C. Hasan Nizami

✗ D. Abul Fazl

Q.72 **Which of the following classes of elements are used in transistors?**

Ans

✓ A. Metalloids

✗ B. Lanthanoids

✗ C. Metals

✗ D. Nonmetals

Q.73 **On which of the following days did the Congress Party make a public announcement, urging Indians to celebrate it as 'Independence Day'?**

Ans

✗ A. 26 January 1928

✗ B. 26 January 1929

✓ C. 26 January 1930

✗ D. 26 January 1932

Q.74 **Which of the following states was NOT part of the Phase-7 polling for the Indian Lok Sabha elections conducted in June 2024?**

Ans

✗ A. Punjab

✗ B. Bihar

✓ C. Karnataka

✗ D. Himachal Pradesh

Q.75 **In September 2024, the Supreme Court held that viewing, storing and possessing 'child pornography' is punishable under the POCSO Act. What does 'P' stand for in POCSO?**

Ans

✗ A. Prevention

✗ B. Provision

✓ C. Protection

✗ D. Prohibition

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Q.76 **During which of the following periods will Phase IV of the Pradhan Mantri Gram Sadak Yojana be implemented?**

Ans

✗ A. FY 2024-25 to FY 2027-28

✗ B. FY 2024-25 to FY 2025-26

✗ C. FY 2024-25 to FY 2026-27

✓ D. FY 2024-25 to FY 2028-29

Q.77 **Which Constitutional Amendment Act added Article 371A, granting special status to Nagaland?**

Ans

✗ A. 1. 10th Amendment

✗ B. 2. 12th Amendment

✓ C. 3. 13th Amendment

✗ D. 4. 14th Amendment

Q.78 **According to Basic Road Statistics in India-2018-19, which state has the largest network of National Highways?**

Ans

✗ A. Madhya Pradesh

✗ B. Uttar Pradesh

✓ C. Maharashtra

✗ D. Tamil Nadu

Q.79 **What is the phenomenon called when two or more compounds with the same molecular formula display different physical or chemical properties?**

Ans

✓ A. Isomerism

✗ B. Isotopes

✗ C. Polymerization

✗ D. Homomorphism

Q.80 **Who among the following leaders strongly supported the idea of self-reliance and was an extremist?**

Ans

✗ A. Surendranath Banerjee

✓ B. Bal Gangadhar Tilak

✗ C. Dadabhai Naoroji

✗ D. Feroz Shah Mehta

Q.81 **Which of the following activities is included in the service sector?**

Ans

✗ A. Mining

✗ B. Construction

✗ C. Farming

✓ D. Banking

Q.82 **What is the primary purpose of pedigree analysis in the context of genetics?**

Ans

✗ A. To study the ecological interactions between species in an environment

✗ B. To analyse the nutritional requirements of different organisms

✓ C. To track the inheritance of specific traits across generations within a family

✗ D. To measure the physical traits of individuals in a population

Q.83 **The Rajya Sabha is to the Union Government as the _____ is to the State Government.**

Ans

✗ A. Chief Minister's Office

✓ B. State Legislative Council

✗ C. State Legislative Assembly

✗ D. Governor's Office

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Q.84 **How many Atal Tinkering Labs have been established across India as of October 2024?**

Ans
- ✗ A. 12,000
- ✗ B. 8,000
- ✓ C. 10,000
- ✗ D. 5,000

Q.85 **Who is credited with starting the rumour about cartridges coated with cow and pig fat, which resulted in the outbreak of the First War of Independence in India in 1857?**

Ans
- ✓ A. A low-caste khalasi working in Dum Dum
- ✗ B. A Brahmin priest
- ✗ C. A sepoy commander
- ✗ D. A British officer

Q.86 **Which of the following is the cheapest and most suitable mode of transport for carrying heavy and bulky material?**

Ans
- ✗ A. Airways
- ✗ B. Railways
- ✓ C. Waterways
- ✗ D. Roadways

Q.87 **Which countries have participated in Maritime Exercise Malabar 2024 in Visakhapatnam with host nation India?**

Ans
- ✗ A. Nepal, Bhutan, Bangladesh
- ✗ B. Germany, France, England
- ✗ C. Sri Lanka, Indonesia, Malaysia
- ✓ D. Australia, Japan, USA

Q.88 **In which year did India discontinue the Five Year Plan model?**

Ans
- ✗ A. 2015
- ✗ B. 2019
- ✗ C. 2012
- ✓ D. 2017

Q.89 **On which day was Delhi declared captured by the British during the suppression of the Revolt of 1857?**

Ans
- ✓ A. 21 September
- ✗ B. 30 June
- ✗ C. 30 August
- ✗ D. 21 July

Q.90 **Which of the following banks announced in June 2024 that it would increase its equity stake in Max Life Insurance by acquiring additional shares worth ₹336 crore?**

Ans
- ✓ A. Axis Bank
- ✗ B. HDFC Bank
- ✗ C. ICICI Bank
- ✗ D. Kotak Mahindra Bank

Q.91 **Which of the following teams won the Women's T20 World Cup 2024?**

Ans
- ✗ A. Australia
- ✗ B. 2. South Africa
- ✓ C. New Zealand
- ✗ D. England

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Q.92 **The Lakshadweep Islands lie close to the which coastal plain of India?**

Ans

✔ A. Malabar Coast

✘ B. Kathiawar Coast

✘ C. Northern Circar Coast

✘ D. Coromandel Coast

Q.93 **Which of the following is the fastest supercomputer of India as on 1 November 2024, which ranked 75th among Global Top 500 supercomputers in 2023?**

Ans

✘ A. Mihir (Cray XC40)

✘ B. Pratyush (Cray XC40)

✔ C. Airawat PSAI

✘ D. PARAM Siddhi-AI

Q.94 **As per the RBI's April 2024 Monetary Policy Committee, which new entity will be allowed to distribute Central Bank Digital Currencies (CBDCs) in India?**

Ans

✘ A. Stock brokers

✘ B. Foreign exchange agencies

✘ C. Commercial banks only

✔ D. Non-bank payment system operators

Q.95 **SBI's Gross NPA ratio at the end of Q3 FY24 was reduced to how much percentage?**

Ans

✘ A. 13.05%

✘ B. 74.17%

✘ C. 0.64%

✔ D. 2.42%

Q.96 **A raga must have at least how many of the notes of M, M' and P (to serve as an additional reference for the upper tetrachord)?**

Ans

✘ A. Three

✔ B. One

✘ C. Two

✘ D. Not necessary to have any one

Q.97 **In the Thar Desert, inselbergs are:**

Ans

✘ A. riverbeds that are periodically dry

✔ B. isolated rock hills rising sharply from the surrounding plain

✘ C. flat desert plains formed by wind erosion

✘ D. sand dunes shaped by monsoon winds

Q.98 **Which of the following was the unique feature of Dholavira's city layout during the Indus Valley Civilisation?**

Ans

✘ A. It was divided into two distinct parts.

✘ B. It was a single unique tomb.

✔ C. It was divided into three distinct parts.

✘ D. It was divided into eight parts.

Q.99 **Which of the following is the largest lagoon in India?**

Ans

✘ A. Vembanad Lake

✘ B. Kolleru Lake

✔ C. Chilika Lake

✘ D. Pulicat Lake

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Q.100 **Which of the following rivers is known for creating a rift valley in the Deccan Plateau and flows from Central India to the Arabian Sea?**

Ans

✗ A. Mahi

✗ B. Krishna

✓ C. Narmada

✗ D. Godavari

Q.101 **Which of the following best describes the purpose of the industrial licensing system introduced by the Indian government in the 1950s?**

Ans

✗ A. To dismantle trade protection and encourage a free-market approach, reducing government intervention in the private sector

✓ B. To control the expansion and activities of private enterprises, ensuring alignment with the national planners' goals and limiting competition from foreign industries

✗ C. To create a competitive environment by encouraging private enterprises to compete with efficient foreign producers

✗ D. To allow private firms the freedom to expand capacity and change input mixes freely, promoting rapid industrial growth

Q.102 **After the 1991 reforms, foreign direct investment (FDI) was allowed in:**

Ans

✗ A. education only

✗ B. agriculture only

✓ C. selected sectors with limitations

✗ D. all sectors without restrictions

Q.103 **Which of the following countries' Senate approved a controversial judicial reform in September 2024 under which judges will be elected by popular vote?**

Ans

✗ A. Sweden

✗ B. Spain

✓ C. Mexico

✗ D. New Zealand

Q.104 **The Union Public Service Commission (UPSC) is a constitutional body under which Article of the Indian Constitution, and what is its primary responsibility?**

Ans

✓ A. Article 315; Responsible for recruitment and examinations for All India Services

✗ B. Article 310; Responsible for conducting state elections

✗ C. Article 325; Responsible for appointing Chief Ministers in states

✗ D. Article 356; Responsible for appointing Governors in states

Q.105 **At which of the following places was the 'Servants of India Society' founded by Gopal Krishna Gokhale in 1905?**

Ans

✗ A. Nagpur

✓ B. Pune

✗ C. Amravati

✗ D. Raigad

Q.106 **Consider the following.**

At a constant temperature, the pressure of a fixed amount of gas is inversely proportional to its volume. This gas law is known as:

Ans

✗ A. Charles's law

✗ B. Avogadro's law

✗ C. Gay-Lussac's law

✓ D. Boyle's law

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Q.107 RBI retained which monetary policy instrument at 3.35% on 9 October 2024?

Ans

✗ A. Bank rate

✓ B. Reverse repo rate

✗ C. Standing deposit facility rate

✗ D. Marginal standing facility rate

Q.108 Which Constitutional Amendment lowered the voting age from 21 years to 18 years in India?

Ans

✗ A. 1. 52nd Amendment

✓ B. 2. 61st Amendment

✗ C. 3. 44th Amendment

✗ D. 4. 73rd Amendment

Q.109 The concept of Public Interest Litigation (PIL) in India was borrowed from which of the following countries?

Ans

✓ A. United States of America

✗ B. United Kingdom

✗ C. Australia

✗ D. Canada

Q.110 Under the sports category, who among the following won the Pradhan Mantri Rashtriya Bal Puraskar (PMRBP), 2024?

Ans

✗ A. Ishfaq Hamid

✗ B. Suhani Chauhan

✗ C. Aryan Singh

✓ D. Charvi A

Q.111 Which of the following Indus Valley sites was discovered by Rakhal Das Bannerjee?

Ans

✗ A. Kalibangan

✓ B. Mohenjo-Daro

✗ C. Surkotada

✗ D. Harappa

Q.112 Which initiative in the 1960s marked the beginning of technological advancement in agriculture in India?

Ans

✗ A. New Industrial Policy

✓ B. Green Revolution

✗ C. Land Reforms

✗ D. Industrial Licensing

Q.113 Which of the following authorities decides, how far the fundamental rights can apply to the members of the armed forces in India?

Ans

✗ A. Armed forces

✗ B. President of India

✗ C. Supreme Court

✓ D. Parliament of India

Q.114 Who among the following propagated the motto 'Back to the Vedas'?

Ans

✗ A. Jyotirao Govindrao Phule

✗ B. Swami Vivekananda

✗ C. Raja Ram Mohan Roy

✓ D. Swami Dayanand Saraswati

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Q.115 The radioactive elements radium and polonium were discovered by:

Ans

✗ A. Avogadro

✗ B. Irène Joliot-Curie

✗ C. John Dalton

✓ D. Marie Curie

Q.116 Which of the following musical forms in Carnatic classical music DOES NOT have a counterpart in Hindustani music?

Ans

✗ A. Pada

✗ B. Gitam

✗ C. Kirtanam

✓ D. Varnam

Q.117 Which sector of the economy involves industries and manufacturing?

Ans

✗ A. Tertiary

✓ B. Secondary

✗ C. Primary

✗ D. Informal

Q.118 'The state shall endeavor to protect and improve the environment' is a Directive Principle of State Policy inserted by the _____ of the Indian Constitution.

Ans

✗ A. 1. 44th Constitutional Amendment Act

✗ B. 2. 86th Constitutional Amendment Act

✗ C. 3. 73rd Constitutional Amendment Act

✓ D. 4. 42nd Constitutional Amendment Act

Q.119 Who is the director of the film 'To Kill a Tiger', which was nominated in the 'Best Feature Documentary' category for the Oscars 2024?

Ans

✗ A. Anshuman Vichare

✓ B. Nisha Pahuja

✗ C. Supriyo Sen

✗ D. Kartiki Gonsalves

Q.120 What is the name of the blockchain framework launched by the Ministry of Electronics and Information Technology, Government of India in September 2024?

Ans

✗ A. Bharat-Blockchain Technology Stack

✓ B. Vishvasya-Blockchain Technology Stack

✗ C. Krishi-Blockchain Technology Stack

✗ D. Vikram-Blockchain Technology Stack

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	12/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A sum, when invested at 10% simple interest per annum, amounts to ₹2160 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?**

Ans
- ✗ A. 720
- ✗ B. 360
- ✗ C. 90
- ✓ D. 180

Q.2 **The monthly incomes of two friends David and Ajay, are in the ratio 5 : 7 respectively and each of them saves ₹78000 every month. If the ratio of their monthly expenditure is 1 : 4, find the monthly income of David(in ₹).**

Ans
- ✗ A. 126000
- ✗ B. 91000
- ✓ C. 90000
- ✗ D. 89000

Q.3 **A hollow spherical shell is made of a metal of density 21 g/cm^3. Its internal and external radius are 16 cm and 17 cm, respectively. What is the weight (in kg) of the shell ?**

$(take\ \pi = \frac{22}{7})$

Ans
- ✓ A. 71.896
- ✗ B. 73.56
- ✗ C. 73.66
- ✗ D. 68.896

Q.4 **Which of the following numbers is divisible by 7?**

a) 171
b) 119
c) 701
d) 387

Ans
- ✗ A. c
- ✗ B. a
- ✗ C. d
- ✓ D. b

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Q.5 **Hemant and Irfan can complete a certain piece of work in 9 and 14 days, respectively, They started to work together, and after 3 days, Irfan left. In how many days will Hemant complete the remaining work?**

Ans

✔ A. $\frac{171}{42}$

✘ B. $\frac{170}{43}$

✘ C. $\frac{173}{44}$

✘ D. $\frac{175}{42}$

Q.6 **A water tank is in the shape of a cone with a radius of 5 m and a height of 12 m. How much water can the tank hold when full? (Use π ≈ 3.14).**

Ans

✔ A. 1. 314 m^3

✘ B. 2. 327 m^3

✘ C. 3. 424 m^3

✘ D. 4. 345 m^3

Q.7 **Two trains of equal length are running on parallel lines in the same direction at speeds of 112 km/h and 46 km/h. The faster train passes the slower train in 12 seconds. The length of each train is:**

Ans

✘ A. 113 meters

✘ B. 122 meters

✔ C. 110 meters

✘ D. 103 meters

Q.8 **A store sells a product with an original price of ₹45,520. Calculate the total amount of discount provided if 10% trade discount and 5% scheme discount is applied on the transaction.**

Ans

✘ A. ₹3,300.40

✘ B. ₹4,400.40

✘ C. ₹5,500.40

✔ D. ₹6,600.40

Q.9 **The sum of five numbers is 655. The average of the first two numbers is 76 and the third number is 108. Find the average of the remaining two numbers?**

Ans

✘ A. 198.5

✔ B. 197.5

✘ C. 185

✘ D. 184

Q.10 **1% of 93% of a number is what percentage of that number?**

Ans

✘ A. 0.093

✘ B. 94

✔ C. 0.93

✘ D. 93

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Q.11 The difference between the compound interest (compounded annually) and simple interest on a sum of money for two years at 11% per annum is ₹242. Find the sum.

Ans

✔ A. ₹20,000

✘ B. ₹21,800

✘ C. ₹20,500

✘ D. ₹21,000

Q.12 If 5 (A's capital) = 15 (B's capital) = 25 (C's capital), then out of a profit of ₹8,740, how much amount will be received by C?

Ans

✔ A. ₹1,140

✘ B. ₹1,315

✘ C. ₹960

✘ D. ₹1,210

Q.13

Find the value of $64^{-12} \div 64^{14} \times 64^{-16}$

Ans

✘ A. 1.
64^{-45}

✘ B. 2.
64^{-50}

✘ C. 3.
64^{-37}

✔ D. 4.
64^{-42}

Q.14 The average of first 141 even numbers is

Ans

✘ A. 143

✘ B. 142.5

✔ C. 142

✘ D. 141.5

Q.15 Mohan purchased a table for ₹2,025 and due to some scratches on its top, he had to sell it for ₹1,675. Find his loss percentage (correct to two places of decimals).

Ans

✘ A. 16.85%

✘ B. 17.91%

✔ C. 17.28%

✘ D. 16.31%

Q.16 A merchant buys 150 books for ₹200 each and sells them at ₹250 each. Calculate the profit percentage.

Ans

✔ A. 25%

✘ B. 15%

✘ C. 25.5%

✘ D. 35%

Q.17 If y is the length of the median of an equilateral triangle, then find its area.

Ans

✘ A. 2y

✘ B. $\sqrt{3y}$

✔ C. $\frac{y^2}{\sqrt{3}}$

✘ D. $\frac{\sqrt{3}y}{4}$

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Q.18 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 101. Find the average of the remaining two numbers?

Ans

✗ A. 179

✗ B. 200

✓ C. 199

✗ D. 180

Q.19 Pipes A and B can fill an empty cistern in 86 minutes and 43 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 42 minutes?

Ans

✓ A. 2 min

✗ B. 5 min

✗ C. 15 min

✗ D. 20 min

Q.20 The rate of interest is 8% per annum and the interest is compounded semi-annually. The equivalent rate of interest per annum in a time period of one year is ___%.

Ans

✓ A. 8.16

✗ B. 8.20

✗ C. 8.25

✗ D. 8.00

Q.21 Evaluate:

$$\sqrt{\left(20+\sqrt{\left((17+\sqrt{\left(55+\sqrt{\left(73+\sqrt{(64)}\right)}\right)}\right)}\right)}$$

Ans

✗ A. 8

✗ B. 4

✗ C. 3

✓ D. 5

Q.22 Two pipes can fill a cistern separately in 40 minutes and 60 minutes, respectively. They can together fill the cistern in:

Ans

✗ A. 20 minutes

✗ B. 23 minutes

✗ C. 25 minutes

✓ D. 24 minutes

Q.23 The average of X and Y is 40, that of Y and Z is 38, and that of Z and X is 42. Find the average of X, Y and Z.

Ans

✗ A. 38

✗ B. 42

✗ C. 120

✓ D. 40

Q.24 Find HCF of 1826 and 2486.

Ans

✗ A. 44

✓ B. 22

✗ C. 11

✗ D. 33

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Q.25 **Which of the following is the greatest number which divides 1658 and 2041 leaving remainders 7 and 9, respectively?**

Ans
- ✗ A. 135
- ✗ B. 235
- ✓ C. 127
- ✗ D. 129

Q.26 **Find the value of 2.035 − 20.35 + 28.56 × 0.8 + 13.02 − 3.65 − 8.05.**

Ans
- ✗ A. 4.905
- ✓ B. 5.853
- ✗ C. 4.582
- ✗ D. 5.263

Q.27 **A bike goes 32 meters in a second. Find its speed in km/hr.**

Ans
- ✗ A. 113.8
- ✗ B. 117.4
- ✓ C. 115.2
- ✗ D. 105.3

Q.28 **The average of the marks of 14 students in a class is 67. If the marks of each student are doubled, find the new average?**

Ans
- ✓ A. 134
- ✗ B. 14
- ✗ C. 28
- ✗ D. 67

Q.29 **Train 1 travelling at a speed of 80 km/hr leaves station A at 6:00 a.m., and train 2 travelling at 105 km/hr starts from station A at 8:30 a.m. in the same direction on a parallel track. At what distance (in km) from station A will train 2 meet train 1?**

Ans
- ✗ A. 920
- ✗ B. 860
- ✗ C. 780
- ✓ D. 840

Q.30 **If 162 : y :: y : 128, find the positive value of y.**

Ans
- ✗ A. 153
- ✗ B. 140
- ✗ C. 142
- ✓ D. 144

Q.31 **A car travels 209 km in the first hour and 157 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?**

Ans
- ✗ A. 174
- ✓ B. 183
- ✗ C. 193
- ✗ D. 179

Q.32 **Gursimar was given an increment of 15% on her salary. If her new salary is ₹84,180, what was her salary before the increment?**

Ans
- ✗ A. ₹72,750
- ✗ B. ₹72,300
- ✗ C. ₹73,050
- ✓ D. ₹73,200

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Q.33

Find the value of $34^{-10} \div 34^{7} \times 34^{-11}$

Ans

✗ A. 1.
34^{-34}

✗ B. 2.
34^{-37}

✗ C. 3.
34^{-33}

✓ D. 4.
34^{-28}

Q.34 **The cost price of an article is 64% of the marked price. Calculate the gain percentage after allowing a discount of 12%.**

Ans

✗ A. 32.5%

✓ B. 37.5%

✗ C. 47.2%

✗ D. 45.7%

Q.35 **Find the value of given expression.**

$$\frac{0.5}{0.5} + \frac{0.5}{(0.5)^2} + \frac{0.375}{(0.5)^3} + \frac{0.25}{(0.5)^4}$$

Ans

✓ A. 10

✗ B. 4

✗ C. 0.1

✗ D. 1

Section : **General Intelligence and Reasoning**

Q.36 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✓ A. PJ-FZ

✗ B. HB-XP

✗ C. EY-UM

✗ D. YS-OG

Q.37 **Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.**

OP - ST - WX
HI - LM - PQ

Ans

✗ A. BC - EF - HI

✓ B. EF - IJ - MN

✗ C. WX - ZA - EF

✗ D. QR - VW - CD

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Q.38 **Seven friends C, D, E, P, Q, R and S are sitting around a circular table facing the center of the table. Only two people sit between P and D when counted from the right of P. C sits third to the left of Q. S sits to the immediate right of Q. S sits second to the left of P. R is not an immediate neighbour of C. How many people sit between E and S when counted form the right of E?**

Ans

✗ A. Three

✓ B. Two

✗ C. None

✗ D. One

Q.39 **This question is based on the five, three-digit numbers given below.**

(Left) 138 436 253 173 752 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the lowest number is added to the second digit of the highest number?

Ans

✗ A. 12

✗ B. 11

✗ C. 10

✓ D. 13

Q.40 **This question is based on the five, three-digit numbers given below.**

(Left) 897 687 819 623 832 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

Ans

✗ A. 3

✓ B. 12

✗ C. 11

✗ D. 7

Q.41 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1672548, what will be the sum of the digits that are second from the left and second from the right?**

Ans

✗ A. 8

✗ B. 4

✗ C. 7

✓ D. 6

Q.42 **If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?**
35 B 4 C 6 D 84 A 14 = ?

Ans

✗ A. 138

✗ B. 137

✓ C. 140

✗ D. 141

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Q.43 If '<' stands for '−', '>' stands for '+', '=' stands for '×' and '$' stands for '÷', what will come in place of the question mark (?) in the following equation?
31 > 81 $ 9 < 7 = ?

Ans
- ✗ A. 32
- ✗ B. 36
- ✓ C. 33
- ✗ D. 37

Q.44 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. RVS
- ✗ B. OSP
- ✗ C. LPM
- ✓ D. UYW

Q.45 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:
Some diaries are laptops.
All computers are laptops.

Conclusions:
(I) Some diaries are computers.
(II) All laptops are computers.

Ans
- ✗ A. Both conclusions (I) and (II) follow.
- ✗ B. Only conclusion (II) follows.
- ✗ C. Only conclusion (I) follows.
- ✓ D. Neither conclusion (I) nor (II) follows.

Q.46 What should come in place of '?' in the given series?

1019, 1025, 1042, 1071, 1113, ?

Ans
- ✗ A. 1153
- ✓ B. 1169
- ✗ C. 1186
- ✗ D. 1196

Q.47 Sam starts from Point A and drives 8 km towards north. He then takes a left turn, drives 9 km, turns left and drives 13 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

Ans
- ✗ A. 3 km to the east
- ✓ B. 2 km to the west
- ✗ C. 2 km to the east
- ✗ D. 1 km to the east

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Q.48 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

GTJ : IXG
LUR : NYO

Ans
- ✗ A. LPS : NTQ
- ✓ B. GGY : IKV
- ✗ C. IKS : KPP
- ✗ D. FGL : HKJ

Q.49 **In a certain code language, 'IDEA' is coded as '5823' and 'DIET' is coded as '3482'. What is the code for 'T' in the given code language?**

Ans
- ✗ A. 2
- ✗ B. 8
- ✓ C. 4
- ✗ D. 3

Q.50 **In a certain code language,**
A + B means 'A is the mother of B'
A – B means 'A is the father of B'
A X B means 'A is the sister of B'
A / B means 'A is the brother of B'
A > B means 'A is the husband of B'
A * B means 'A is the wife of B'

How is L related to A if A * K – Q X L > T?

Ans
- ✓ A. Son
- ✗ B. Sister
- ✗ C. Daughter
- ✗ D. Mother

Q.51 **In a certain code language, 'FORM' is coded as '6541' and 'MORE' is coded as '1674'. What is the code for 'E' in the given code language?**

Ans
- ✗ A. 1
- ✗ B. 6
- ✓ C. 7
- ✗ D. 4

Q.52 **Sanjay starts from Point Y and drives 43 km towards north. He then takes a left turn, drives 67 km, turns left and drives 94 km. He then takes a left turn and drives 22 km. He takes a left turn, drives 68 km. He then turns right, drives 31 km, turns right and drives 17 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)**

Ans
- ✓ A. 14 km towards east
- ✗ B. 18 km towards north
- ✗ C. 24 km towards west
- ✗ D. 19 km towards north

Q.53 **Each of A, B, C, S, W, Y and Z has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has the exam on Friday. Only two people have the exam between Y and C. Only four people have the exam between W and Y. B has the exam immediately after Z. S doesn't have the exam on Monday. How many people have the exam before S and after A?**

Ans
- ✗ A. Three
- ✓ B. Four
- ✗ C. One
- ✗ D. Two

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Q.54 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All kiwis are fruits.
All tomatoes are fruits.
All cherries are fruits.
Conclusions:
(I): Some cherries are kiwis.
(II): Some tomatoes are cherries.

Ans
✗ A. Only conclusion (I) follows.
✗ B. Both conclusions (I) and (II) follow.
✗ C. Only conclusion (II) follows.
✓ D. Neither conclusion (I) nor (II) follows.

Q.55 **All 61 people are standing in a row facing North. Dheeru is 37th from the left end while Carl is 19th from the right end. How many people are there between Dheeru and Carl?**

Ans
✗ A. 4
✓ B. 5
✗ C. 3
✗ D. 6

Q.56 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

SCE : ELS
HGM : MPH

Ans
✗ A. SRY : YIS
✓ B. THA : AQT
✗ C. HUN : NFH
✗ D. SRI : IRS

Q.57 **In a certain code language, 'GRIL' is coded as '9463' and 'RING' is coded as '6974'. What is the code for 'N' in the given code language?**

Ans
✗ A. 4
✗ B. 9
✗ C. 6
✓ D. 7

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Q.58



Ans

✗ A.



✗ B.



✗ C.



✓ D.



Q.59 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

IJX GIW EHV CGU ?

Ans

✗ A. AFS

✗ B. AGS

✓ C. AFT

✗ D. AST

Q.60 **P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only two people sit between V and R when counted from the right of V. Only two people sit between R and T. Only three people sit between V and U. Q sits to the immediate left of S. How many people sit between Q and T when counted from the right of Q?**

Ans

✓ A. 4

✗ B. 2

✗ C. 3

✗ D. 1

Q.61 **What should come in place of the question mark (?) in the given series?**

6 16 27 39 52 ?

Ans

✗ A. 65

✗ B. 64

✓ C. 66

✗ D. 67

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Q.62 **Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. No one sits to the left of C. Only two people sit between C and S. D sits to second to the right of S. Q sits to the immediate left of E. P is an immediate neighbour of S. How many people sit between P and R?**

Ans

✗ A. None

✗ B. Three

✓ C. One

✗ D. Four

Q.63 **In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

3 - 1
111 - 109

Ans

✗ A. 134 - 131

✓ B. 51 - 49

✗ C. 44 - 41

✗ D. 165 - 162

Q.64 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

ETU LAB SHI ZOP ?

Ans

✓ A. GVW

✗ B. GUW

✗ C. GWV

✗ D. GVU

Q.65 **In a certain code language,**
A + B means 'A is the brother of B',
A – B means 'A is the father of B',
A x B means 'A is the mother of B',
A ÷ B means 'A is the wife of B'.

Based on the above, how is P related to T if 'P x Q ÷ R – S + T'?

Ans

✓ A. Mother's mother

✗ B. Father's mother

✗ C. Sister

✗ D. Wife's mother

Q.66 **This question is based on the five, three-digit numbers given below.**

(Left) 468 429 517 371 386 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is multiplied with the second digit of the lowest number?

Ans

✗ A. 9

✗ B. 4

✗ C. 6

✓ D. 7

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Q.67 **Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.**

AEZU ZDYT YCXS XBWR ?

Ans

✗ A. WAVT

✓ B. WAVQ

✗ C. WAQV

✗ D. WATV

Q.68 **What should come in place of the question mark (?) in the given series?**

3 9 16 35 68 ?

Ans

✗ A. 133

✗ B. 140

✓ C. 139

✗ D. 138

Q.69 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some balls are stumps.
All stumps are gloves.
Some gloves are helmets.

Conclusions:
(I) All helmets are stumps.
(II) All gloves are balls.

Ans

✓ A. Neither conclusion (I) nor (II) follows.

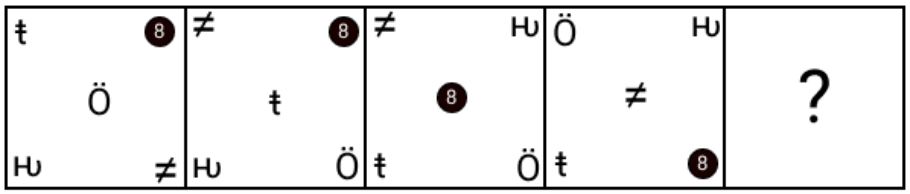
✗ B. Only conclusion (II) follows.

✗ C. Only conclusion (I) follows.

✗ D. Both conclusions (I) and (II) follow.

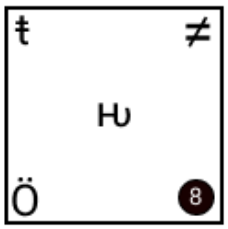
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Q.70

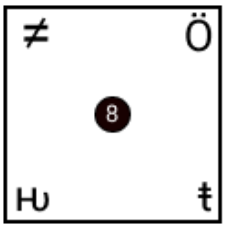


Ans

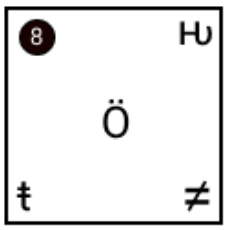
✗ A.



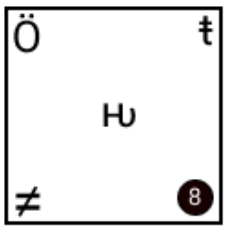
✗ B.



✗ C.



✓ D.



Section : **General Awareness**

Q.71 **Which of the following parts of the Indian Constitution outlines the powers and procedures of the Parliament?**

Ans

✗ A. Part IX

✗ B. Part IV

✓ C. Part V

✗ D. Part VII

Q.72 **All of the following were extremist leaders, EXCEPT _____.**

Ans

✗ A. Bal Gangadhar Tilak

✗ B. Aurobindo Ghosh

✓ C. Surendranath Banerjee

✗ D. Bipin Chandra Pal

Q.73 **As a rule of Indian classical music, a Raga must have at least _____ notes.**

Ans

✗ A. four

✗ B. three

✓ C. five

✗ D. six

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Q.74 **Dibang and Lohit rivers are part of which river basin?**

Ans

✗ A. Ganga

✓ B. Brahmaputra

✗ C. Krishna

✗ D. Narmada

Q.75 **On 17 September 2024, Kenya signed an arrangement with which country to exchange technical information and cooperate on nuclear safety matters?**

Ans

✗ A. Canada

✓ B. United States

✗ C. France

✗ D. Russia

Q.76 **Which edition of Fit India Swachhata Freedom Run was organised in October 2024 with an aim to indulge people in fitness activities?**

Ans

✗ A. Sixth

✗ B. Fourth

✓ C. Fifth

✗ D. Third

Q.77 **What is the total geographical area of India?**

Ans

✓ A. 3.28 million sq. km

✗ B. 2.5 million sq. km

✗ C. 2.9 million sq. km

✗ D. 4.1 million sq. km

Q.78 **The reflecting telescope was invented by which of the following physicists?**

Ans

✗ A. Christiaan Huygens

✗ B. Galileo Galilei

✓ C. Isaac Newton

✗ D. Johannes Kepler

Q.79 **By how much percentage did SBI's net interest income (NII) increase year-over-year in Q3 FY24?**

Ans

✗ A. 3.69%

✗ B. 10.75%

✓ C. 4.59%

✗ D. 15.28%

Q.80 **In October 2024, the Supreme Court by what majority upheld constitutional validity of Section 6A of the Citizenship Act?**

Ans

✓ A. 4 : 1

✗ B. 3 : 2

✗ C. 8 : 1

✗ D. 5 : 2

Q.81 **'Zero tillage' farming, a technique that minimises soil disturbance, is primarily practiced in the cultivation of which crop in India?**

Ans

✗ A. Cotton

✗ B. Banana

✗ C. Tea

✓ D. Wheat

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Q.82 **The Revolt of 1857 ended with the British victory in:**

Ans

✗ A. 1860

✗ B. 1867

✓ C. 1858

✗ D. 1877

Q.83 **Which of the following is true for a free-falling body of mass m under gravity from a height h from the surface of ground?**

Ans

✗ A. At the surface of ground, kinetic energy is zero.

✓ B. Total energy of the body at all the positions is 'mgh'.

✗ C. At the middle, total energy of the body is 'mgh/2'.

✗ D. At the top, kinetic energy is 'mgh' and potential energy is zero.

Q.84 **Who mobilised the headmen and cultivators of chaurasee des, moving at night from village to village, urging people to rebel against the British during the Revolt of 1857?**

Ans

✗ A. Maulvi Ahmadullah Shah

✓ B. Shah Mal

✗ C. Maulvi Liaqat Ali

✗ D. Gonoo

Q.85 **Which of the following statements regarding rolling and sliding friction is correct?**

Ans

✗ A. Rolling friction is an integer multiple of sliding friction.

✗ B. Rolling friction is typically larger than sliding friction.

✗ C. Rolling friction and sliding friction are equal in magnitude.

✓ D. Sliding friction is typically larger than rolling friction.

Q.86 **Jannik Sinner became the first ____ man to win the US Open, defeating Taylor Fritz in September 2024.**

Ans

✗ A. Spanish

✓ B. Italian

✗ C. French

✗ D. German

Q.87 **The southwest monsoon is believed to engulf the entire subcontinent by mid _____.**

Ans

✗ A. May

✓ B. July

✗ C. June

✗ D. August

Q.88 **If a body of mass is m, linear momentum is p and kinetic energy is K, then which of the following expressions is true?**

Ans

✗ A. p= 2Km

✗ B. K= p/2m

✓ C. $\sqrt{2Km}$

✗ D. 4. $K= 2m/p^2$

Q.89 **The Law of Conservation of Mass states that:**

Ans

✗ A. energy is conserved and cannot be created or destroyed

✗ B. the volume of a gas is inversely proportional to its pressure at constant temperature

✗ C. the total mass of reactants does not equal the total mass of products in a chemical reaction

✓ D. matter cannot be created or destroyed in a chemical reaction

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Q.90 **Which of the following is NOT a genre of Carnatic classical music?**

Ans

- ✔ A. Tappa
- ✘ B. Tanam
- ✘ C. Javali
- ✘ D. Tillana

Q.91 **Which of the following Indian Institutes of Technology (IIT) has transferred a first-of-its-kind vaccine technology to BioMed Pvt. Ltd, in March 2024?**

Ans

- ✘ A. IIT Roorkee
- ✘ B. IIT Indore
- ✔ C. IIT Guwahati
- ✘ D. IIT Goa

Q.92 **In July 2024, India's first sunken museum was inaugurated at which location?**

Ans

- ✘ A. Qutub Minar, Delhi
- ✘ B. India Gate, Delhi
- ✘ C. Red Fort, Delhi
- ✔ D. Humayun's Tomb Complex, Delhi

Q.93 **When did Akbar become the emperor of Delhi?**

Ans

- ✘ A. 1568
- ✘ B. 1540
- ✘ C. 1566
- ✔ D. 1556

Q.94 **Which of the following Sustainable Development Goals of United Nations deals with 'reduced inequalities'?**

Ans

- ✘ A. Goal 11
- ✔ B. Goal 10
- ✘ C. Goal 9
- ✘ D. Goal 8

Q.95 **In which year was the Reserve Bank of India (RBI) established?**

Ans

- ✔ A. 1935
- ✘ B. 1955
- ✘ C. 1920
- ✘ D. 1949

Q.96 **Which of the following fundamental rights is mentioned from Article 25 to Article 28 of the Indian Constitution?**

Ans

- ✘ A. Right to Freedom
- ✘ B. Right against Exploitation
- ✘ C. Right to Equality
- ✔ D. Right to Freedom of Religion

Q.97 **Which of the following powers does the Governor NOT possess?**

Ans

- ✘ A. Legislative powers
- ✘ B. Financial powers
- ✘ C. Executive powers
- ✔ D. Diplomatic powers

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Q.98 **The National Green Tribunals has been established for the enforcement for environmental rights emanating from which Article of the Indian Constitution?**

Ans
- ✔ A. Article 21
- ✘ B. Article 20
- ✘ C. Article 23
- ✘ D. Article 22

Q.99 **Who founded the Gupta empire?**

Ans
- ✘ A. Babur
- ✔ B. Chandragupta I
- ✘ C. Ashoka
- ✘ D. Akbar

Q.100 **What is the RBI's target inflation rate in 2024?**

Ans
- ✘ A. 3%
- ✘ B. 6%
- ✘ C. 5%
- ✔ D. 4%

Q.101 **Indian shuttlers won how many gold medals at the Japan Para Badminton International 2024?**

Ans
- ✘ A. Nine
- ✘ B. Eight
- ✘ C. Four
- ✔ D. Six

Q.102 **What was the weighted average call rate (WACR) during the period from 16 September to 17 October 2024?**

Ans
- ✘ A. 6.75%
- ✘ B. 6.52%
- ✔ C. 6.50%
- ✘ D. 6.48%

Q.103 **Which of the following was a direct consequence of the Foreign Exchange Regulation Act (FERA) of 1973 on India's industrial sector?**

Ans
- ✔ A. Restrictions on foreign ownership in Indian companies
- ✘ B. Encouragement of export-oriented industries
- ✘ C. Promotion of agricultural exports
- ✘ D. Increased foreign investment in manufacturing

Q.104 **In November 2024, which of the following banks launched e-Bank Guarantee (e-BG) facility in partnership with NeSL, replacing the physical documentation usually associated with issuing BG?**

Ans
- ✘ A. UCO Bank
- ✘ B. Indian Overseas Bank
- ✘ C. Syndicate Bank
- ✔ D. Punjab and Sind Bank

Q.105 **Which is the Indian light tank whose initial automotive trials were conducted by Defense Research and Development Organization (DRDO) on 13 September 2024?**

Ans
- ✘ A. Atharva
- ✘ B. Bhishma
- ✘ C. Ajeya
- ✔ D. Zorawar

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Q.106 **How many variants are there in Hindustani music that makes in all twelve notes to a saptak?**

Ans

✗ A. 6

✓ B. 5

✗ C. 9

✗ D. 2

Q.107 **Rukmini Devi Arundale was a trailblazer in the world of ____.**

Ans

✗ A. Kathak

✓ B. Bharatnatyam

✗ C. Odissi

✗ D. Manipuri

Q.108 **Which two banks were involved in the ₹25 crore Credit Default Swap (CDS) trade in 2024?**

Ans

✗ A. HDFC Bank and ICICI Bank

✓ B. State Bank of India and Standard Chartered Bank

✗ C. Axis Bank and Bank of Baroda

✗ D. Punjab National Bank and Yes Bank

Q.109 **Which sector contributed the most to India's GDP growth after 1991?**

Ans

✓ A. Services

✗ B. Agriculture

✗ C. Industry

✗ D. Mining

Q.110 **The only tribal group in the Andaman Islands still living in isolation is:**

Ans

✗ A. Nicobarese

✗ B. Jarawa

✓ C. Sentinelese

✗ D. Onge

Q.111 **The National Rural Employment Programme (NREP) and the Rural Landless Employment Guarantee Programme (RLEGP) were merged in April 1989 with the _____ scheme.**

Ans

✗ A. Indira Awas Yojna (IAY

✗ B. Indira Gandhi Swarojgar Yojana

✓ C. Jawahar Rozgar Yojana (JRY)

✗ D. Swaran Jyanti Gram Swayamrozgar Yojana

Q.112 **Which of the following qualifications is NOT required for a person to be appointed as a district judge in a state?**

Ans

✗ A. The candidate should not already be in the service of the Central or state government.

✗ B. The candidate should have been an advocate or a pleader for at least seven years.

✓ C. The candidate should have prior experience as a judge in the subordinate courts.

✗ D. The candidate should be recommended by the High Court for the appointment.

Q.113 **In June 2024, which city in Kerala was declared India's first UNESCO 'City of Literature'?**

Ans

✗ A. Thiruvananthapuram

✗ B. Kannur

✓ C. Kozhikode

✗ D. Kochi

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Q.114 Which of the following are important oil fields of the Brahmaputra Valley?

Ans

✗ A. Badarpur and Masimpur

✗ B. Lunej and Ankhleshwar

✗ C. Naharkhatia and Moran

✓ D. Digboi and Kilboi

Q.115 The idea of a 'welfare state' is promoted by which of the following with respect to the Indian Constitution?

Ans

✗ A. Fundamental Duties

✗ B. Fundamental Rights

✗ C. Preamble

✓ D. Directive Principles of State Policy

Q.116 Which of the following is true about subordinate courts in India?

Ans

✗ A. They are directly under the authority of the Supreme Court of India.

✗ B. They are part of the central judicial system.

✗ C. They have independent authority without any oversight from the High Court.

✓ D. They come under the authority of the High Court of the respective state.

Q.117 When did the sepoys in the cantonment of Meerut break out in mutiny?

Ans

✗ A. 10 June 1858

✓ B. 10 May 1857

✗ C. 8 May 1856

✗ D. 10 July 1859

Q.118 In which state is the Hugli Industrial Region located?

Ans

✗ A. Odisha

✗ B. Maharashtra

✓ C. West Bengal

✗ D. Andhra Pradesh

Q.119 When was a special session of the Indian National Congress held, specifically to pass the resolution of the non-cooperation movement with the demand of Swaraj?

Ans

✗ A. May 1920

✗ B. December 1919

✗ C. June 1919

✓ D. September 1920

Q.120 PM GatiShakti National Master Plan (PMGS-NMP), launched on 13 October 2021, is a transformative approach for economic growth and sustainable development. The approach is driven by ____ engines.

Ans

✗ A. five

✓ B. seven

✗ C. nine

✗ D. eleven

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	12/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **The monthly incomes of two friends Kiran and Mahesh, are in the ratio 5 : 7 respectively and each of them saves ₹78000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Kiran(in ₹).**

Ans
- ✔ A. 97500
- ✘ B. 98500
- ✘ C. 96500
- ✘ D. 136500

Q.2 **The ages of Himani and Pushpraj are in the ratio of 9 : 7 respectively. After 6 years the ratio of their ages will be 5 : 4. What is the difference in their present ages?**

Ans
- ✘ A. 22
- ✔ B. 12
- ✘ C. 13
- ✘ D. 31

Q.3 **Two trains of equal length are running on parallel lines in the same direction at speeds of 101 km/h and 29 km/h. The faster train passes the slower train in 21 seconds. The length of each train is:**

Ans
- ✘ A. 202 meters
- ✔ B. 210 meters
- ✘ C. 209 meters
- ✘ D. 208 meters

Q.4 **A bus travelling at 100 km/h completes a journey in 17 hours. At what speed will it have to cover the same distance in 5 hours?**

Ans
- ✘ A. 332 km/h
- ✔ B. 340 km/h
- ✘ C. 347 km/h
- ✘ D. 344 km/h

Q.5 **In what ratio should sugar costing ₹41 per kg be mixed with sugar costing ₹69 per kg so that by selling the mixture at ₹73.5 per kg, there is a profit of 50%?**

Ans
- ✔ A. 20 : 8
- ✘ B. 6 : 21
- ✘ C. 10 : 22
- ✘ D. 9 : 22

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Q.6 Which of the following ratio is smallest?

Ans
- ✗ A. 11 : 34
- ✗ B. 17 : 40
- ✓ C. 15 : 60
- ✗ D. 26 : 53

Q.7 A bank offers 10% per annum compound interest calculated on half-yearly basis. A customer deposits ₹3,60,000 each on 1st January and 1st July of a year. At the end of the year, find the amount he would have gained by way of interest.

Ans
- ✗ A. ₹4,33,800
- ✗ B. ₹3,24,900
- ✗ C. ₹3,75,600
- ✓ D. ₹54,900

Q.8 A sum, when invested at 10% simple interest per annum, amounts to ₹2880 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?

Ans
- ✗ A. 960
- ✗ B. 480
- ✗ C. 120
- ✓ D. 240

Q.9 Evaluate: 41 - [21 - {11 - (15 - 8 ÷ 3 × 3)}]

Ans
- ✗ A. 21
- ✗ B. 19
- ✓ C. 24
- ✗ D. 26

Q.10 In what ratio should sugar costing ₹17 per kg be mixed with sugar costing ₹72 per kg so that by selling the mixture at ₹41.3 per kg, there is a profit of 18%?

Ans
- ✗ A. 20 : 38
- ✗ B. 16 : 39
- ✓ C. 37 : 18
- ✗ D. 16 : 38

Q.11 A car travels 272 km in the first hour and 294 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?

Ans
- ✗ A. 277
- ✓ B. 283
- ✗ C. 293
- ✗ D. 289

Q.12 The marked price of a juicer is ₹7,500. The store offers a 15% discount. What is the price (in ₹) after the discount?

Ans
- ✗ A. 6,735
- ✗ B. 6,335
- ✗ C. 6,357
- ✓ D. 6,375

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Q.13 **The value of**

$$8^3 - 1^2 + \left(\frac{42}{2}\right)^2 - 7 + 4 \times 9 = \_\_\_\_\_$$

Ans

✗ A. 982

✗ B. 984

✗ C. 983

✓ D. 981

Q.14 **The sum of 8 numbers is 948. Find their average.**

Ans

✗ A. 117.5

✓ B. 118.5

✗ C. 119.5

✗ D. 116.5

Q.15 **Find the value of $91^{-2} \div 91^{7} \times 91^{-17}$**

Ans

✓ A. $1.\ 91^{-26}$

✗ B. $2.\ 91^{-30}$

✗ C. $3.\ 91^{-27}$

✗ D. $4.\ 91^{-25}$

Q.16 **What will be the compound interest (in ₹) on a sum of ₹30,000 after two years at a rate of 16% per annum compounded annually?**

Ans

✓ A. 10,368

✗ B. 10,638

✗ C. 10,683

✗ D. 10,386

Q.17 Arif is thrice as good as Salman and is therefore able to finish a piece of work in 15 days less than Salman. In how many days can they complete the whole work, working together?

Ans

✓ A. $\frac{45}{8}$ days

✗ B. $\frac{35}{6}$ days

✗ C. $\frac{25}{4}$ days

✗ D. $\frac{55}{12}$ days

Q.18 8281 hollow spheres of external and internal diameters 1.2 cm and 1 cm, respectively, are melted and recast into a solid sphere. What is the change (in cm^2 rounded off to the nearest whole number) in the external surface area of the original spheres and that of the solid sphere? Take $\pi = \frac{22}{7}$

Ans

✗ A. 32654

✗ B. 34663

✓ C. 36436

✗ D. 35456

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Q.19 A dealer purchased a washing machine for ₹15,700. He allows a discount of 16% on its marked price and still makes a profit of 20%. Find the marked price (nearest in ₹) of the washing machine.

Ans

✔ A. ₹22,429

✘ B. ₹22,942

✘ C. ₹22,492

✘ D. ₹22,249

Q.20 The perimeter of one face of a cube is 36 cm. What is its volume?

Ans

✔ A. 1. 729 cm^3

✘ B. 2. 314 cm^3

✘ C. 3. 942 cm^3

✘ D. 4. 243 cm^3

Q.21 The average of first 124 even numbers is

Ans

✔ A. 125

✘ B. 124.5

✘ C. 126

✘ D. 125.5

Q.22 The length of the base of a triangle is 1 cm more than the corresponding height. If the area of the triangle is 45 cm^2, find the length of the base of the triangle.

Ans

✘ A. $8\ cm$

✘ B. $12\ cm$

✔ C. $10\ cm$

✘ D. $14\ cm$

Q.23 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 111. Find the average of the remaining two numbers?

Ans

✔ A. 194

✘ B. 195

✘ C. 190

✘ D. 189

Q.24 If the HCF of two numbers is 23 and their sum is 161, the possible numbers CANNOT be:

Ans

✘ A. (23, 138)

✘ B. (69, 92)

✔ C. (61, 100)

✘ D. (46, 115)

Q.25 The number divisible by 35 is:

Ans

✘ A. 29300

✘ B. 16630

✔ C. 38885

✘ D. 34972

Q.26 Shaurya has to reach Indore which is 652 km away in 18 hours. His starting speed for 3 hours was 73 km/hr. For the next 134 km his speed was 67km/hr. By what speed he must travel now so as to reach Indore in decided time of 18hours?

Ans

✘ A. 26 km/hr

✔ B. 23 km/hr

✘ C. 20 km/hr

✘ D. 18 km/hr

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Q.27 On selling an item for ₹180, a shopkeeper earns 20% profit. To earn only a 5% profit, the selling price of the item should have been ₹_____.

Ans

✗ A. 152.50

✗ B. 155

✗ C. 160

✓ D. 157.50

Q.28 Find the greatest number which when divided by 1124 and 1868, leaves remainders 17 and 23, respectively.

Ans

✓ A. 369

✗ B. 41

✗ C. 143

✗ D. 82

Q.29 Find the value of $2.54 \times 0.4 - 0.58 \times 5.64 + 2.85 \times 3.14 - 0.84 + 4.8 \times 3.8 - 7.0938$.

Ans

✗ A. 19

✓ B. 17

✗ C. 23.67

✗ D. 21.58

Q.30 Shifa can do a certain piece of work in 18 days. Shifa and Afiya can together do the same work in 14 days, and Shifa, Afiya and Mariyam can do the same work together in 9 days. In how many days can Shifa and Mariyam do the same work?

Ans

✓ A. $\frac{21}{2}$

✗ B. $\frac{14}{4}$

✗ C. $\frac{11}{3}$

✗ D. $\frac{23}{2}$

Q.31 Suhail purchased 400 purses and sold them at 25% profit. If $37\frac{1}{2}\%$ o

Ans

✗ A. ₹120

✗ B. ₹130

✓ C. ₹127.54

✗ D. ₹125.70

Q.32 The present cost of a apartment is ₹152629. After a year, its cost increased to ₹186783. The percentage increase (rounded off to the nearest integer) in the cost of the apartment is:

Ans

✗ A. 26

✓ B. 22

✗ C. 19

✗ D. 18

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Q.33 $\left(\frac{21 \times 3}{7}\right) \div \frac{30}{4}$

Ans

✗ A. $\frac{5}{14}$

✗ B. $\frac{5}{28}$

✓ C. $\frac{6}{5}$

✗ D. $\frac{28}{5}$

Q.34 **A can do a piece of work in 12 days. B can do it in 20 days. With the assistance of C, they completed the work in 3 days. C alone can do it in _____days.**

Ans

✗ A. 6

✗ B. 7

✗ C. 4

✓ D. 5

Q.35 **The price of edible oil is increased by 30%. To maintain the budget, Reena reduces the consumption of this oil by 18%. Find the increased percentage in expenditure due to this edible oil.**

Ans

✗ A. 6.3%

✗ B. 6.9%

✗ C. 6.1%

✓ D. 6.6%

Section : **General Intelligence and Reasoning**

Q.36 **Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only two people sit to the right of D. Only two people sit between D and E. Only two people sit between A and B. B sits to the immediate left of D. F sits to the immediate right of C. How many people sit to the right of C?**

Ans

✗ A. 2

✓ B. 1

✗ C. 4

✗ D. 3

Q.37 **Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).**

(Left) 1 4 9 9 5 8 1 9 1 3 9 7 3 5 7 1 6 8 4 1 3 3 8 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✗ A. None

✗ B. Two

✓ C. One

✗ D. Three

Q.38 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

GBV LGA QLF VQK ?

Ans

✗ A. APO

✓ B. AVP

✗ C. AVI

✗ D. APV

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Q.39 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

PTE : SWH
ICS : LFV

Ans
- ✔ A. LOW : ORZ
- ✘ B. DRN : GUK
- ✘ C. UGD : RDB
- ✘ D. THR : WEU

Q.40 **Each digit in the number 8152346 is arranged in the descending order from left to right. How many digits have changed their position as compared to that in the original number?**

Ans
- ✔ A. Four
- ✘ B. Two
- ✘ C. Three
- ✘ D. One

Q.41 **Seven boxes A, B, C, D, U, V and W are kept one over the other but not necessarily in the same order. Only D is kept above W. Only C is kept between W and V. Only A is kept below U. How many boxes are kept between B and A?**

Ans
- ✔ A. One
- ✘ B. Three
- ✘ C. Four
- ✘ D. Two

Q.42 **What should come in place of the question mark (?) in the given series?**
114 117 122 129 138 ?

Ans
- ✘ A. 249
- ✘ B. 148
- ✔ C. 149
- ✘ D. 248

Q.43 **What should come in place of the question mark (?) in the given series?**

27 ? 63 99 147 207

Ans
- ✔ A. 39
- ✘ B. 51
- ✘ C. 46
- ✘ D. 42

Q.44 **In a certain code language, '2059' is coded as 'WSLP' and '0562' is coded as 'SLIP'.What is the code for '6' in the given code language?**

Ans
- ✘ A. S
- ✘ B. L
- ✔ C. I
- ✘ D. P

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Q.45 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All plants are trees.
Some trees are herbs.
Conclusions:
(I): All herbs are plants.
(II): No herb is a tree.

Ans
✗ A. Only conclusion (I) follows.
✗ B. Both conclusions (I) and (II) follow.
✗ C. Only conclusion (II) follows.
✓ D. Neither conclusion (I) nor (II) follows.

Q.46 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

IFP 30, LHN 26, OJL 22, RLJ 18, ?

Ans
✗ A. SMH 14
✗ B. TNN 14
✓ C. UNH 14
✗ D. UHN 20

Q.47 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
Some ants are bees.
No goats are bees.
All ants are crows.

Conclusions:
(I) Some crows are bees.
(II) Some ants are not goats.

Ans
✗ A. Only conclusion (I) follows.
✗ B. Neither conclusion (I) nor (II) follows.
✗ C. Only conclusion (II) follows.
✓ D. Both conclusions (I) and (II) follow.

Q.48 **Select the term from among the given options that can replace the question mark (?) in the following series.**
BAD 1, FEH 3, JIL 9, NMP 27, ?

Ans
✓ A. 1. RQT 81
✗ B. 2. QRT 81
✗ C. 3. RQT 243
✗ D. QRT 243

Q.49 **If we replace the letters 'D', 'A', 'B', and 'C' with the corresponding mathematical symbols '+', '−', '×', and '÷', respectively, what is the value of the following expression?**
21 D 3 A 20 C 5

Ans
✗ A. 18
✗ B. 26
✗ C. 24
✓ D. 20

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Q.50 In a certain code language, 'ROPE' is coded as '2637' and 'PEAR' is coded as '7238'. What is the code for 'A' in the given code language?

Ans

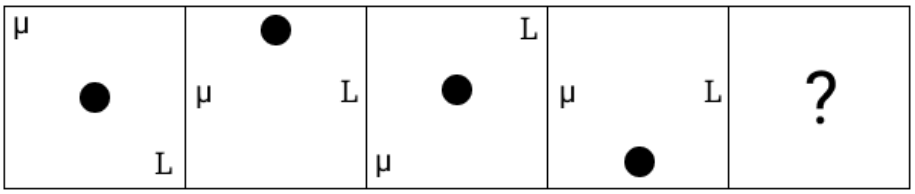
✔ A. 8

✘ B. 7

✘ C. 2

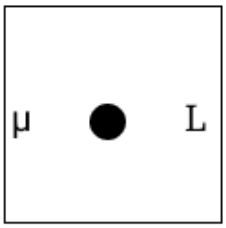
✘ D. 3

Q.51

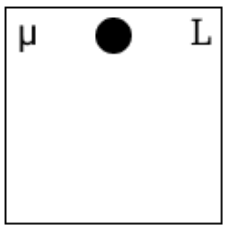


Ans

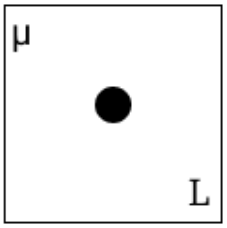
✘ A.



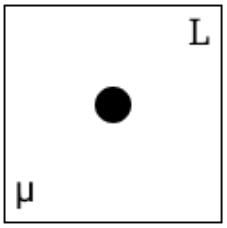
✘ B.



✔ C.



✘ D.



Q.52 In a certain code language, 'nothing can stop' is coded as 'io ij hy' and 'we all can' is coded as 'jh jn ij'. How is 'can' coded in the given language?

Ans

✘ A. jn

✔ B. ij

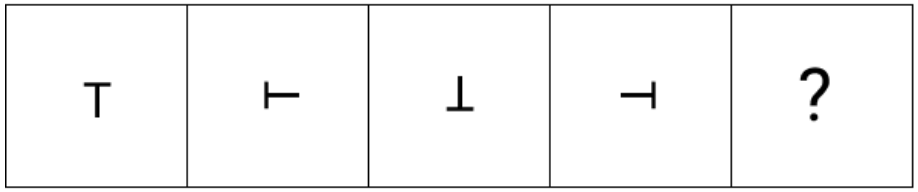
✘ C. io

✘ D. hy

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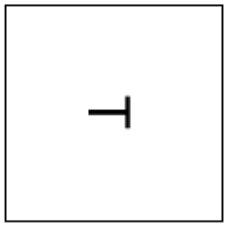
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Q.53

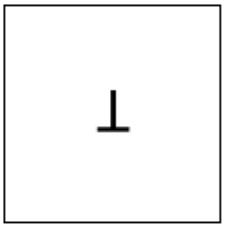


Ans

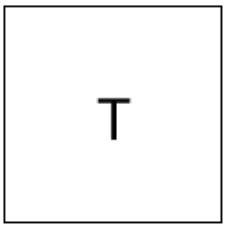
✗ A.



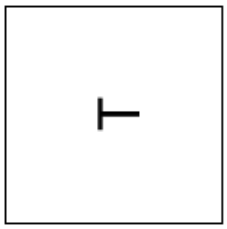
✗ B.



✓ C.



✗ D.



Q.54 **OEUB is related to NFSE in a certain way based on the English alphabetical order. In the same way, KIMN is related to JJKQ. To which of the following is HLGW related, following the same logic?**

Ans

✗ A. CMZE

✗ B. POSK

✓ C. GMEZ

✗ D. MESJ

Q.55 **P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only three people sit between Q and V when counted from the left of Q. Only three people sit between S and P when counted from the right of P. U sits to the immediate right of S. T is an immediate neighbour of P as well as V. How many people sit between R and T when counted from the right of T?**

Ans

✓ A. 1

✗ B. 3

✗ C. 2

✗ D. 4

Q.56 **VS21 is related to CZ11 in a certain way. In the same way, LI39 is related to SP29. To which of the given options is BY25 related, following the same logic?**

Ans

✗ A. IG15

✗ B. IF17

✗ C. JF20

✓ D. IF15

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Q.57 **This question is based on the five, three-digit numbers given below.**

(Left) 453 148 236 754 672 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans

✔ A. 11

✘ B. 9

✘ C. 10

✘ D. 8

Q.58 **Arihant starts from Point A and drives 10 km towards the south. He then takes a right turn, drives 7 km, turns right and drives 13 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans

✔ A. 3 km to the west

✘ B. 3 km to the east

✘ C. 4 km to the east

✘ D. 4 km to the west

Q.59 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✘ A. NK-IP

✘ B. RO-MT

✔ C. GD-BH

✘ D. JG-EL

Q.60 **In a certain code language,**
'A : B' means 'A is the wife of B',
'A × B' means 'A is the brother of B',
'A < B' means 'A is the father of B' and
'A + B' means 'A is the mother of B'.

How is A related to Z if 'A + B < C × Y : Z'?

Ans

✔ A. Wife's father's mother

✘ B. Wife's father's brother

✘ C. Wife's brother's mother

✘ D. Wife's mother's brother

Q.61 **A person walked 3 km and then turned right and walked 1 km. After that, he again turned to the left and walked for 5 km. In the end, he found that he was moving towards the East. In which direction did he start his journey?**

Ans

✘ A. South

✘ B. North

✘ C. West

✔ D. East

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Q.62 If '+' means '−', '−' means '×', '×' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?
31 − 5 ÷ 21 + 114 × 6 =?

Ans
✗ A. 152
✗ B. 161
✗ C. 144
✓ D. 157

Q.63 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:
All chairs are beds.
Some chairs are pillows.
All pillows are blankets.

Conclusions:
(I) Some blankets are chairs.
(II) Some pillows are beds.

Ans
✗ A. Only conclusion (II) follows.
✓ B. Both conclusions (I) and (II) follow.
✗ C. Only conclusion (I) follows.
✗ D. Neither conclusion (I) nor (II) follows.

Q.64 Seven students, Q, R, S, T, W, X and Y, are sitting in a straight line facing north. Only three people sit to the right of R. Only one person sits to the left of T. X sits immediately to the right of W. Only four people sit between X and T. S sits at some place to the left of Q but some place to the right of Y. How many people sit between Y and X?

Ans
✗ A. Three
✗ B. Four
✗ C. Two
✓ D. Five

Q.65 This question is based on the five, three-digit numbers given below.

(Left) 435 748 326 254 672 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

Ans
✗ A. 11
✗ B. 8
✓ C. 13
✗ D. 9

Q.66 What should come in place of the question mark (?) in the given series?

175 160 140 115 85 ?

Ans
✗ A. 40
✗ B. 55
✓ C. 50
✗ D. 45

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Q.67 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**

Ans
- ✔ A. SK–MO
- ✘ B. OG–IL
- ✘ C. ME–GJ
- ✘ D. QI–KN

Q.68 **In a certain code language,**
A + B means 'A is the mother of B',
A – B means 'A is the brother of B',
A × B means 'A is the wife of B',
and A ÷ B means ' A is the father of B'.

How is E related to R if 'D – E – P × Q ÷ R'?

Ans
- ✘ A. Wife's brother
- ✘ B. Father
- ✔ C. Mother's brother
- ✘ D. Brother

Q.69 **A, F, J, K, P and Q live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only two people live between F and Q. Only two people live between K and P. No one lives above K. Q lives below P but above A. How many people live below J?**

Ans
- ✘ A. One
- ✘ B. Zero
- ✔ C. Three
- ✘ D. Two

Q.70 **Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

10, 33
15, 48

Ans
- ✘ A. 17, 53
- ✘ B. 12, 38
- ✔ C. 12, 39
- ✘ D. 9, 31

Section : **General Awareness**

Q.71 **Liquids and solids are difficult to compress due to which type of intermolecular forces?**

Ans
- ✘ A. London force
- ✔ B. Repulsive force
- ✘ C. Dispersion force
- ✘ D. Van der Waals force

Q.72 **The term 'Kalbaisakhi', referring to a hot weather local storm, primarily affects which locations?**

Ans
- ✘ A. Western Ghats
- ✔ B. Bengal and Assam
- ✘ C. Southern India
- ✘ D. South-West India

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Q.73 **Which of the following was the primary form of resistance used by the rebels during the Revolt of 1857?**

Ans

✗ A. Non-violent protest

✗ B. Political negotiations

✗ C. Mass migrations

✓ D. Armed revolt

Q.74 **The Constitution (20th Amendment) Act, 1966, was enacted primarily to address which issue?**

Ans

✗ A. The establishment of Panchayati Raj institutions

✓ B. The validation of appointments and judicial acts of certain district judges

✗ C. The reorganisation of states based on linguistic lines

✗ D. The abolition of the privy purses of erstwhile princely states

Q.75 **In which of the following cities did Dr. Jitendra Singh, Union Minister of State for Science and Technology, inaugurate India's first Demonstration Facility for Biopolymers, in October 2024?**

Ans

✗ A. Bengaluru

✗ B. Hyderabad

✗ C. Jaipur

✓ D. Pune

Q.76 **Who was the Governor-General of India during the First War of Independence of 1857?**

Ans

✓ A. Charles Canning

✗ B. Lord Hardinge I

✗ C. Lord William Bentinck

✗ D. Lord Auckland

Q.77 **Jabro dance is a nomadic dance of _____.**

Ans

✗ A. Assam

✗ B. Sikkim

✓ C. Ladakh

✗ D. Puducherry

Q.78 **Which of the following is NOT the social cause of the Revolt of 1857?**

Ans

✓ A. Decline of traditional industries

✗ B. Influence of missionaries

✗ C. Forced conversions

✗ D. Religious interference

Q.79 **Which of the following is a major crop grown during the Zaid season in India?**

Ans

✗ A. Wheat

✗ B. Maize

✓ C. Vegetables

✗ D. Mustard

Q.80 **The Bank of Baroda EaseMyTrip Co-branded Travel Debit Card, announced in September 2024, was designed for the:**

Ans

✓ A. frequent travellers and those spending on entertainment and lifestyle

✗ B. students and young professionals

✗ C. large corporations

✗ D. government employees

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Q.81 **What were the class of people who performed various rituals in the Vedic period?**

Ans

✗ A. Shudras

✓ B. Brahmins

✗ C. Kshatriyas

✗ D. Vaishyas

Q.82 **Who among the following formed the Satyashodhak Samaj to uplift the lower caste people and untouchables?**

Ans

✗ A. Dr. Bhimrao Ambedkar

✗ B. Swami Dayanand Saraswati

✓ C. Jyotirao Govindrao Phule

✗ D. Ramaswamy Naiker Periyar

Q.83 **In August 2024, the Banking Laws (Amendment) Bill was introduced in the Lok Sabha. This Bill proposes changes to which of the following Acts?**

Ans

✗ A. Government Securities Regulations, 2007

✓ B. Reserve Bank of India Act, 1934

✗ C. Foreign Exchange Management Act, 1999

✗ D. Public Debt Act, 1944 / Government Securities Act, 2006

Q.84 **What was the approximate total production of rice during the year 2023-24 in India?**

Ans

✗ A. 527.25 LMT

✗ B. 8953.25 LMT

✓ C. 1378.25 LMT

✗ D. 5120.25 LMT

Q.85 **What defines the Intertropical Convergence Zone (ITCZ) during the monsoon season in India?**

Ans

✗ A. A high-pressure zone at the Equator

✗ B. A cold front over the Himalayas

✓ C. A low-pressure zone over the Gangetic plains

✗ D. A high-pressure zone over the Indian Ocean

Q.86 **According to Article 46, the State shall promote the educational and economic interests of:**

Ans

✓ A. weaker sections, particularly Scheduled Castes and Scheduled Tribes

✗ B. urban populations

✗ C. all citizens

✗ D. only women

Q.87 **Considering a stone is rotated with uniform speed in a horizontal plane by means of a string, select the correct option.**

Ans

✗ A. The direction of momentum is fixed.

✗ B. The velocity of the stone is fixed.

✗ C. The direction of momentum changes but not the velocity.

✓ D. The magnitude of momentum is fixed.

Q.88 **Who is responsible for advising the Governor on the formation of the Council of Ministers?**

Ans

✗ A. The State Legislature

✗ B. The President of India

✓ C. The Chief Minister

✗ D. The Supreme Court

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Q.89 **In 2024, which Bollywood actress wrote a book called 'Ed Finds a Home'?**

Ans

✗ A. Janhvi Kapoor

✗ B. Sonam Kapoor

✓ C. Alia Bhatt

✗ D. Kiara Advani

Q.90 **The process of condensation is best described by which of the following statements?**

Ans

✗ A. The transition of a solid directly to a gas without passing through the liquid phase

✗ B. The melting of a solid to form a liquid

✗ C. The transition of a gas directly to a solid without passing through the liquid phase

✓ D. The transformation from gaseous phase to liquid phase

Q.91 **Right to Education is given in _____ of the Indian Constitution.**

Ans

✗ A. Article 21

✗ B. Article 19A

✓ C. Article 21A

✗ D. Article 24

Q.92 **Which of the following statements is correct about Avani Lekhara with respect to her performance at the 2024 Paris Paralympic games?**

Ans

✗ A. She claimed her third gold medal.

✗ B. She claimed her second bronze medal.

✗ C. She set a new Paralympic record of 259.6 points.

✓ D. She set a new Paralympic record of 249.7 points.

Q.93 **In August 2024, the 10th edition of the Joint Military Exercise MITRA SHAKTI was held between India and which country?**

Ans

✓ A. Sri Lanka

✗ B. Nepal

✗ C. Bhutan

✗ D. Bangladesh

Q.94 **Among the major systems of human physiology, to which organ system does blood belong?**

Ans

✗ A. Endocrine system

✗ B. Digestive system

✗ C. Nervous system

✓ D. Circulatory system

Q.95 **How many Fundamental Duties were inserted in the Indian Constitution by the 42nd Constitutional Amendment Act?**

Ans

✗ A. 11

✗ B. 0

✗ C. 8

✓ D. 10

Q.96 **Which of the following Governor Generals of British India abolished the Doctrine of Lapse?**

Ans

✗ A. Lord Ellenborough

✗ B. Lord Hardinge

✓ C. Lord Canning

✗ D. Lord William Bentinck

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Q.97 **Unemployment that arises when people are between jobs is known as:**

Ans

✗ A. structural unemployment

✗ B. underemployment

✓ C. frictional unemployment

✗ D. seasonal unemployment

Q.98 **The Pong Dam, also known as the Maharana Pratap Sagar, is on which of the following rivers?**

Ans

✗ A. Yamuna

✗ B. Ganga

✓ C. Beas

✗ D. Sutlej

Q.99 **Which factor does the Economic Survey 2024 identify as crucial for sustaining economic recovery in India?**

Ans

✗ A. Expanded public sector hiring

✗ B. Reduced global trade tensions

✗ C. Increased foreign trade

✓ D. Enhanced domestic efforts

Q.100 **Which of the following tribes was included in the list of Scheduled Tribes in Andhra Pradesh under the Constitution (Scheduled Tribes) Order (Amendment) Bill, 2024?**

Ans

✗ A. Abor

✗ B. Momba

✗ C. Galong

✓ D. Bondo Porja

Q.101 **Which of the following processes used in food processing kills harmful microorganisms?**

Ans

✗ A. Culturing

✓ B. Pasteurisation

✗ C. Maturation

✗ D. Fermentation

Q.102 **As part of the 2030 Agenda for Sustainable Development, in 2015, all United Nations member countries adopted 17 goals and _____ targets.**

Ans

✓ A. 169

✗ B. 170

✗ C. 218

✗ D. 210

Q.103 **What was the primary economic focus of India's development since the 1991 reforms, as highlighted by Dr. Manmohan Singh?**

Ans

✗ A. Maintaining an agrarian economy with limited industrial growth

✓ B. Achieving significant growth in services and manufacturing sectors

✗ C. Reducing dependency on the information technology sector

✗ D. Eliminating foreign trade to boost domestic production

Q.104 **Which of the following Mauryan rulers is known for his support of Buddhism and spreading its teachings?**

Ans

✗ A. Brihadratha

✓ B. Ashoka

✗ C. Chandragupta Maurya

✗ D. Bindusara

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Q.105 When was Awadh annexed under the Subsidiary Alliance system?

Ans

✗ A. 1851 AD

✗ B. 1853 AD

✗ C. 1855 AD

✓ D. 1856 AD

Q.106 The Green Revolution, which began in the 1960s, primarily focused on which of the following crops?

Ans

✓ A. Wheat and Rice

✗ B. Fruits and Vegetables

✗ C. Cotton and Sugarcane

✗ D. Maize and Millet

Q.107 Which of the following statements is correct with respect to Comptroller and Auditor General of India?

Ans

✓ A. He is appointed by the President of India.

✗ B. He is appointed by the Finance Minister of India.

✗ C. He is eligible for reappointment.

✗ D. He is appointed by the Prime Minister of India.

Q.108 Who among the following was a famous santoor player in India?

Ans

✗ A. Allauddin Khan

✓ B. Pt. Shiv Kumar Sharma

✗ C. Pt. Ravi Shankar

✗ D. Annapurna Devi

Q.109 Which city has been officially confirmed as the host city for the 2026 Commonwealth Games?

Ans

✗ A. Aberdeen

✓ B. Glasgow

✗ C. New Delhi

✗ D. Edinburgh

Q.110 India's total land boundary length is approximately:

Ans

✗ A. 10,000 km

✗ B. 18,000 km

✓ C. 15,200 km

✗ D. 7,000 km

Q.111 Select the correct statement with respect to the Finance Commission of India.

Ans

✓ A. It is constituted by the President of India.

✗ B. It is constituted by the Leader of Opposition.

✗ C. It is constituted by the Prime Minister of India.

✗ D. It is constituted by the Finance Minister.

Q.112 Why is investment in education considered to be a part of social infrastructure?

Ans

✗ A. It enhances industrial output.

✓ B. It improves the skills and productivity of the workforce.

✗ C. It promotes trade.

✗ D. It reduces government revenue.

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Q.113 **How much FDI did India attract between April 2014 and March 2024 as a result of initiatives like 'Make in India'?**

Ans
- ✗ A. $784.23 billion
- ✗ B. $600.50 billion
- ✗ C. $720.98 billion
- ✓ D. $667.41 billion

Q.114 **Which of the following is a man-made island in India?**

Ans
- ✓ A. Willingdon Island
- ✗ B. Minicoy Island
- ✗ C. Jurong Island
- ✗ D. Amwaj Islands

Q.115 **Which of the following States has the highest number of Khelo India Athletes (KIAs) who benefited under Khelo India Scheme for the year 2024-25?**

Ans
- ✗ A. Karnataka
- ✗ B. Kerala
- ✓ C. Haryana
- ✗ D. Maharashtra

Q.116 **What is a key goal for India's development by 2047 as per the Economic Survey 2024?**

Ans
- ✓ A. Achieving status as a developed nation (Viksit Bharat)
- ✗ B. Reaching zero poverty
- ✗ C. Doubling per capita income
- ✗ D. Complete rural electrification

Q.117 **How many PARAM Rudra supercomputers were launched by Prime Minister Narendra Modi on September 26, 2024, developed under the National Supercomputing Mission with a total investment of ₹850 crore?**

Ans
- ✓ A. Three
- ✗ B. Seven
- ✗ C. Two
- ✗ D. Five

Q.118 **Which of the following measures helped India integrate with the global economy in 1991?**

Ans
- ✗ A. Increasing restrictions on foreign investment
- ✓ B. Liberalisation of foreign trade policies
- ✗ C. Introduction of trade barriers
- ✗ D. Withdrawal from global trade agreements

Q.119 **In October 2024, Bank of Baroda (BoB) announced the sale of its Oman operations to Bank Dhofar. What was the value of BoB's Oman operations?**

Ans
- ✗ A. 125.50 million Omani Rials
- ✗ B. 120 million Omani Rials
- ✓ C. 113.35 million Omani Rials
- ✗ D. 100 million Omani Rials

Q.120 **Tabla is what type of musical instrument?**

Ans
- ✗ A. Bowed
- ✗ B. Wind
- ✓ C. Percussion
- ✗ D. Stringed

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	17/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 Find the sum $\frac{4}{10} + \frac{6}{100} + \frac{7}{1000} + \frac{9}{10000}$ in decimal form.

Ans
- ✗ A. 0.4579
- ✗ B. 0.4679
- ✓ C. 0.4379
- ✗ D. 0.4479

Q.2 **The average of the marks of 14 students in a class is 59. If the marks of each student are doubled, find the new average?**

Ans
- ✗ A. 28
- ✗ B. 14
- ✓ C. 118
- ✗ D. 59

Q.3 **Evaluate: 41 - [21 - {11 - (15 - 7 ÷ 3 × 3)}]**

Ans
- ✗ A. 18
- ✓ B. 23
- ✗ C. 20
- ✗ D. 25

Q.4 **The value of**

$\sqrt{324} + \sqrt{0.0324} - \sqrt{5.29} =$

Ans
- ✗ A. 6.12
- ✗ B. 8.34
- ✓ C. 15.88
- ✗ D. 1.5

Q.5 **Pari marked a toy at 65% above the cost price of ₹6,580. If she offers a discount of 25% on the marked price and customer pays ₹P for the toy, the value of P is:**

Ans
- ✗ A. ₹8,000
- ✗ B. ₹9,000
- ✗ C. ₹7,966.50
- ✓ D. ₹8,142.75

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Q.6 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 126. Find the average of the remaining two numbers?

Ans

✗ A. 204

✓ B. 186.5

✗ C. 205

✗ D. 187.5

Q.7 A sum of ₹4,000 is invested at 10% per annum, compounded annually. What will the difference between the compound interest (in ₹) earned in the second year and the first year be?

Ans

✗ A. 60

✓ B. 40

✗ C. 50

✗ D. 46

Q.8 In a race, an athlete covers a distance of 456 m in 152 sec in the first lap. He covers the second lap of the same length in 76 sec. What is the average speed (in m/sec) of the athlete?

Ans

✗ A. 5

✓ B. 4

✗ C. 10

✗ D. 1

Q.9 Select the least number from among the following.

a) 0.8

b) $0.\overline{8}$

c) $1 \div 0.8$

d) $\frac{2}{5} \times 0.8$

Ans

✗ A. a)

✗ B. b)

✗ C. c)

✓ D. d)

Q.10 Ravi, Arvind and Vimal can complete a piece of work in 5 days, 6 days and 8 days, respectively. In how many days can all the three together complete the work?

Ans

✓ A. $2\frac{2}{59}$ days

✗ B. $3\frac{4}{51}$ days

✗ C. $3\frac{6}{65}$ days

✗ D. $2\frac{3}{47}$ days

Q.11 1% of 96% of a number is what percentage of that number?

Ans

✗ A. 0.096

✗ B. 97

✓ C. 0.96

✗ D. 96

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Q.12 In covering a distance of 144 km, Pranshu takes 3 hours more than Chandu. If Pranshu doubles his speed, then he would take 5 hour less than Chandu. Pranshu's speed is:

Ans
- ✗ A. 3 km/h
- ✗ B. 16 km/h
- ✓ C. 9 km/h
- ✗ D. 4 km/h

Q.13 Find the area of a triangle, whose altitude and base are 28 cm and 12 cm, respectively.

Ans
- ✓ A. 1. 168 cm^2
- ✗ B. 2. 156 cm^2
- ✗ C. 3. 159 cm^2
- ✗ D. 4. 164 cm^2

Q.14 Pipe P can fill $\frac{5}{9}$ part of a tank in 25 hours and pipe Q can fill $\frac{8}{9}$ part

Ans
- ✗ A. 28 hours
- ✓ B. 23 hours
- ✗ C. 27 hours
- ✗ D. 44 hours

Q.15 If the length of cuboid is 2 cm, breadth is 4 cm and the volume of cuboid is 1712 cm^3, then find the height of cuboid (in cm).

Ans
- ✗ A. 206
- ✓ B. 214
- ✗ C. 209
- ✗ D. 219

Q.16 In what ratio should sugar costing ₹52 per kg be mixed with sugar costing ₹73 per kg so that by selling the mixture at ₹87.1 per kg, there is a profit of 30%?

Ans
- ✗ A. 14 : 4
- ✗ B. 14 : 8
- ✗ C. 13 : 5
- ✓ D. 6 : 15

Q.17 A retailer buys an electronic item for ₹175. His overhead expenses are ₹5. He sells the electronic item for ₹360 and makes x%' profit. The value of x is:

Ans
- ✓ A. 100
- ✗ B. 80
- ✗ C. 120
- ✗ D. 90

Q.18 The average of first 128 odd natural numbers, is:

Ans
- ✗ A. 128.5
- ✗ B. 127.5
- ✗ C. 129
- ✓ D. 128

Q.19 A dealer buys an article for ₹2,200 and sells it for ₹4,000. If his overhead charges are ₹300, then what is his gain percentage?

Ans
- ✗ A. 65%
- ✓ B. 60%
- ✗ C. 40%
- ✗ D. 50%

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Q.20 Find the value of $\left(\frac{1}{6}\right)^{-2} + \left(\frac{1}{5}\right)^{-2} + \left(\frac{1}{4}\right)^{-2}$.

Ans
- ✔ A. 77
- ✘ B. 85
- ✘ C. 67
- ✘ D. 83

Q.21 The monthly incomes of two friends Chetan and Vipul, are in the ratio 5 : 7 respectively and each of them saves ₹96000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Chetan(in ₹).

Ans
- ✔ A. 160000
- ✘ B. 159000
- ✘ C. 161000
- ✘ D. 224000

Q.22 In what ratio should sugar costing ₹74 per kg be mixed with sugar costing ₹27 per kg so that by selling the mixture at ₹45.6 per kg, there is a profit of 14%?

Ans
- ✘ A. 17 : 36
- ✘ B. 15 : 36
- ✔ C. 13 : 34
- ✘ D. 12 : 32

Q.23 There is 2600 ml oil in a bottle. If the quantity of oil is increased by 22%, the bottle is completely filled. Find the capacity of the bottle.

Ans
- ✘ A. 3096 ml
- ✘ B. 3136 ml
- ✔ C. 3172 ml
- ✘ D. 3000 ml

Q.24 Find the greatest number which will exactly divide 2610, 2900 and 3190.

Ans
- ✘ A. 305
- ✘ B. 580
- ✔ C. 290
- ✘ D. 145

Q.25 If 96 : y :: y : 6, find the positive value of y.

Ans
- ✔ A. 24
- ✘ B. 17
- ✘ C. 30
- ✘ D. 27

Q.26 6h

Ans
- ✘ A. $2a, 2b$
- ✘ B. $3a, 3b$
- ✔ C. $2a, 3b$
- ✘ D. $3a, 2b$

Q.27 The marked price of a pair of shoes is ₹2,500. A discount of 16% is offered. What is the amount of discount?

Ans
- ✘ A. ₹350
- ✘ B. ₹450
- ✔ C. ₹400
- ✘ D. ₹300

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Q.28 An Uber bike covers a distance of 304 km in 19 hours. What is its speed in km/h?

Ans
- ✔ A. 16
- ✘ B. 14
- ✘ C. 23
- ✘ D. 7

Q.29 Pipes A and B can fill an empty cistern in 52 minutes and 65 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe A be turned off so that the empty cistern is completely filled in a total of 60 minutes?

Ans
- ✔ A. 4 min
- ✘ B. 20 min
- ✘ C. 5 min
- ✘ D. 15 min

Q.30 Which of the following numbers is divisible by 6?

Ans
- ✘ A. 608
- ✔ B. 534
- ✘ C. 622
- ✘ D. 584

Q.31 An amount of ₹741 is divided among three persons in the ratio of 2 : 14 : 10. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans
- ✘ A. 401
- ✔ B. 342
- ✘ C. 331
- ✘ D. 323

Q.32 Samrudh has a solid metal ball with a diameter of 9 cm. He melts it and uses the material to make a solid cylinder. If the diameter of the cylinder is same as the ball, then what would be the height of the cylinder?

Ans
- ✘ A. 8 cm
- ✘ B. 12 cm
- ✔ C. 6 cm
- ✘ D. 18 cm

Q.33 Salim borrows a sum of ₹60,000 from the bank for 18 months at R% per annum compound interest (interest being calculated half yearly). The amount paid back by Salim to the bank was ₹69,457.5. The value of R is:

Ans
- ✘ A. 5%
- ✘ B. 12%
- ✘ C. 20%
- ✔ D. 10%

Q.34 Two trains of equal length are running on parallel lines in the same direction at speeds of 100 km/h and 66 km/h. The faster train passes the slower train in 18 seconds. The length of each train is:

Ans
- ✘ A. 74 meters
- ✔ B. 85 meters
- ✘ C. 65 meters
- ✘ D. 102 meters

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Q.35 **A sum, when invested at 10% simple interest per annum, amounts to ₹5040 after 4 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 1 year?**

Ans

✗ A. 720

✗ B. 180

✓ C. 360

✗ D. 1440

Section : **General Intelligence and Reasoning**

Q.36 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

TQ 30, AO 60, HM 120, OK 240, ?

Ans

✗ A. VI 420

✗ B. UI 420

✓ C. VI 480

✗ D. UI 480

Q.37 **In a certain code language, 'all teachers are God' is written as 'to th po in' and 'God is everywhere' is coded as 'tr tt th'. How is 'God' coded in the given language?**

Ans

✗ A. tr

✗ B. tt

✓ C. th

✗ D. to

Q.38 **In a certain code language, 'PREY' is coded as '4628' and 'RANK' is coded as '5417'. What is the code for 'R' in the given code language?**

Ans

✓ A. 4

✗ B. 5

✗ C. 7

✗ D. 6

Q.39 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✓ A. AGY

✗ B. PVB

✗ C. UAG

✗ D. ZFL

Q.40 **Six people, A, B, C, D, E and F are sitting in a row, facing north. D sits to the immediate left of E. C sits third to the left of F. E is an immediate neighbour of C. B sits second to the right of C. A sits to the immediate left of B. Who sits at the extreme right end of the line?**

Ans

✓ A. F

✗ B. A

✗ C. E

✗ D. B

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Q.41 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

LIO - MJP
DFR - EGS

Ans

✗ A. BHU - CJY

✗ B. SER - TFT

✓ C. JMI - KNJ

✗ D. XUI - YVG

Q.42 **What will be the value of the following expression, if the '−' and '÷' signs are interchanged?**
12 − 6 × 4 ÷ 1 + 1 × 7 + 2 ÷ 8

Ans

✗ A. 11

✓ B. 8

✗ C. 6

✗ D. 3

Q.43 **What will come in place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '×' and '−' are interchanged?**

6 − 9 ÷ 16 + 8 × 10 = ?

Ans

✗ A. 42

✗ B. 54

✗ C. 38

✓ D. 46

Q.44 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
No peanuts are sparrows.
All ants are sparrows.
All horses are sparrows.

Conclusions:
(I) Some horses are ants.
(II) No peanuts are ants.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Only conclusion (I) follows.

✗ C. Neither conclusion (I) nor (II) follows.

✓ D. Only conclusion (II) follows.

Q.45 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. CJ-KT

✓ B. LS-TY

✗ C. EL-MV

✗ D. OV-WF

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Q.46 **In a certain code language,**
A + B means 'A is the son of B'
A − B means 'A is the brother of B'
A × B means 'A is the mother of B'
A ÷ B means 'A is the daughter of B'

Based on the above, how is P related to T if 'P × Q + R − S ÷ T'?

Ans
- ✔ A. Daughter-in-law
- ✘ B. Grand daughter
- ✘ C. Mother
- ✘ D. Sister

Q.47 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) 1 % 9 & # # 5 < 5 6 7 > 7 + 6 < % / % 6 \ (Right)

How many such numbers are there each of which is immediately preceded by another number and also immediately followed by a symbol?

Ans
- ✘ A. Two
- ✘ B. Three
- ✘ C. Four
- ✔ D. One

Q.48 **Raman starts from Point A and drives 25 km towards the south. He then takes a right turn, drives 26 km, turns right and drives 28 km. He then takes a right turn and drives 35 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✘ A. 5 km to the east
- ✔ B. 9 km to the west
- ✘ C. 1km to the east
- ✘ D. 10 km to the west

Q.49 **What should come in place of the question mark (?) in the given series?**

132 185 238 ? 344 397

Ans
- ✘ A. 284
- ✘ B. 275
- ✘ C. 302
- ✔ D. 291

Q.50 **Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.**
TU : UV : VW
AD : BE : CF

Ans
- ✘ A. PW : QX : SZ
- ✘ B. UE : VF : FW
- ✘ C. RE : SF : UG
- ✔ D. TR : US : VT

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Q.51 **Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).**

(Left) 5 8 7 5 6 9 9 3 1 3 2 9 4 7 2 4 6 5 8 8 7 9 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

Ans

✗ A. Three

✗ B. One

✓ C. Two

✗ D. None

Q.52 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

ITK : NYP
BJL : GOQ

Ans

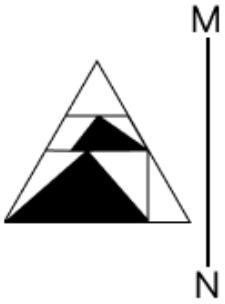
✗ A. SEP : YJT

✓ B. SAP : XFU

✗ C. DIG : IOK

✗ D. KHL : PNQ

Q.53



Ans

✗ A.



✗ B.



✓ C.



✗ D.



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Q.54 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 8, 15)
(12, 17, 31)

Ans
- ✔ A. (23, 31, 56)
- ✘ B. (19, 12, 75)
- ✘ C. (16, 32, 64)
- ✘ D. (24, 18, 35)

Q.55 **In a certain code language, 'HIDE' is coded as '5691' and 'DICE' is coded as '6715'. What is the code for 'C' in the given code language?**

Ans
- ✘ A. 1
- ✔ B. 7
- ✘ C. 5
- ✘ D. 6

Q.56 **What should come in place of the question mark (?) in the given series?**

5 7 11 17 25 ?

Ans
- ✘ A. 39
- ✘ B. 36
- ✘ C. 37
- ✔ D. 35

Q.57 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some apples are oranges.
Some oranges are bananas.
Conclusions:
(I): No banana is an orange.
(II): Some apples are bananas.

Ans
- ✔ A. Neither conclusion (I) nor (II) follows.
- ✘ B. Only conclusion (II) follows.
- ✘ C. Only conclusion (I) follows.
- ✘ D. Both conclusions (I) and (II) follow.

Q.58 **Mr. W starts from Point A and drives 5 km towards the south. He then takes a left turn, drives 6 km, turns left and drives 7 km. He then takes a left turn and drives 8 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✘ A. 2 km towards the south
- ✔ B. 2 km towards the east
- ✘ C. 6 km towards the west
- ✘ D. 5 km towards the north

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Q.59 In a certain code language,
A & B means 'A is the brother of B'
A # B means 'A is the wife of B'
A : B means 'A is the son of B'
A ÷ B means 'A is the father of B'

Based on the above, how is F related to V if 'F & G # H : U ÷ V'?

Ans
- ✗ A. Son's wife's sister
- ✗ B. Son's wife's mother
- ✓ C. Brother's wife's brother
- ✗ D. Bother's wife's father

Q.60 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ZSV XQT VOR TMP ?

Ans
- ✗ A. RLN
- ✗ B. RKM
- ✓ C. RKN
- ✗ D. RLM

Q.61 In a row of 21 students facing North, Samdup is 5th from the right end. If Jigmee is 9th to the left of Samdup, what is Jigmee's position from the left end of the line?

Ans
- ✓ A. 1. 8th
- ✗ B. 2. 7th
- ✗ C. 3. 6th
- ✗ D. 4. 5th

Q.62 What should come in place of the question mark (?) in the given series?

120 126 144 180 240 ?

Ans
- ✗ A. 320
- ✓ B. 330
- ✗ C. 350
- ✗ D. 340

Q.63 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 % 1 2 & @ 3 # 7 & 8 Ω 6 $ 5 * 4 £ (Right)

How many such symbols are there each of which is immediately preceded by an odd number but not immediately followed by an even number?

Ans
- ✗ A. Three
- ✗ B. None
- ✓ C. Two
- ✗ D. One

Q.64 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

AWN XBK UGH RLE ?

Ans
- ✗ A. NPB
- ✗ B. PQA
- ✓ C. OQB
- ✗ D. NRC

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Q.65 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some ships are cars.
Some bikes are ships.
All cars are fans.
Conclusions:
I. All ships are fans.
II. Some fans are bikes.

Ans

✗ A. Only conclusion I follows

✗ B. Only conclusion II follows

✓ C. Neither conclusion I nor II follows

✗ D. Both conclusions I and II follow

Q.66 **Each of D, E, T, A, I, L and S has an interview on a different day of a week, starting from Monday and ending on Sunday of the same week. Only three people have an interview between T and S. S has an interview on the last day of the week. D has an interview on the second day after A. I has an interview immediately the day before L. E doesn't have an interview on Friday. How many people have an interview before E?**

Ans

✗ A. Two

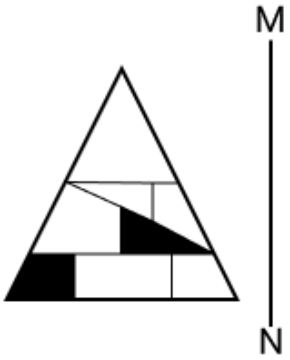
✓ B. Zero

✗ C. One

✗ D. Three

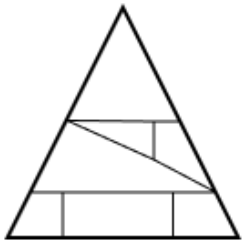
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Q.67



Ans

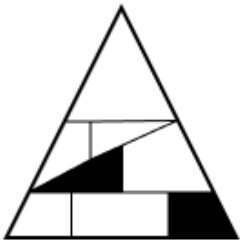
✗ A.



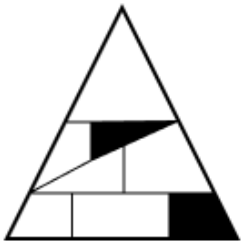
✗ B.



✓ C.



✗ D.



Q.68 **Each vowel in the word ENGLISH is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?**

Ans

✗ A. J

✗ B. M

✓ C. F

✗ D. K

Q.69 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5143786, how many digits will appear more than once in the new number thus formed?**

Ans

✗ A. Two

✗ B. One

✗ C. None

✓ D. Three

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Q.70 **Seven friends C, D, E, P, Q, R and S are sitting in a straight line facing north. Only two people sit to the left of Q. Only three people sit between Q and D. E sits second to the right of Q. Only two people sit between E and C. R sits at some place to the right of S but at some place to the left of P. How many people sit to the right of R?**

Ans

✔ A. Three

✘ B. None

✘ C. One

✘ D. Two

Section : **General Awareness**

Q.71 **What percentage of Earth's total land area does India occupy?**

Ans

✔ A. 2.4%

✘ B. 1.2%

✘ C. 3.6%

✘ D. 4.2%

Q.72 **Which of the following Constitutional Amendment Acts had added the Ninth Schedule to the Indian Constitution?**

Ans

✘ A. Fourth Constitutional Amendment Act

✘ B. Fifth Constitutional Amendment Act

✘ C. Ninth Constitutional Amendment Act

✔ D. First Constitutional Amendment Act

Q.73 **Who among the following appoints the Speaker Pro Tem of the Lok Sabha?**

Ans

✘ A. The Vice President

✘ B. The Prime Minister

✘ C. The Speaker of the previous Lok Sabha

✔ D. The President

Q.74 **The DPT vaccine is given to infants as part of their immunisation schedule. What is the full form of DPT?**

Ans

✔ A. Diphtheria, Pertusis and Tetanus

✘ B. Diphtheria, Polio and Tetanus

✘ C. Diphtheria, Pancreatitis and Tetanus

✘ D. Diphtheria, Pneumonia and Tetanus

Q.75 **What was the main focus of the review meeting of the Regional Rural Banks (RRBs) in New Delhi in August 2024?**

Ans

✔ A. To upgrade digital technology services and foster business growth in MSME clusters

✘ B. To double the RRBs' employees by 2030

✘ C. To accelerate the participation in stock market

✘ D. To double the total number of RRBs by 2028

Q.76 **Which of the following is India's first atomic power station?**

Ans

✘ A. Kakrapar

✘ B. Kaiga

✘ C. Kudankulam

✔ D. Tarapur

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Q.77 **As per the Calcutta High Court (Extension of Jurisdiction) Act, 1953, the jurisdiction of the Calcutta High Court was extended to cover which of the following areas?**

Ans

✗ A. The state of Sikkim

✗ B. Dadra and Nagar Haveli, and Daman and Diu

✓ C. Chandannagar, and Andaman and Nicobar Islands

✗ D. Union Territory Lakshadweep and Puducherry

Q.78 **Who looked after markets and checked wrong practices in the Maurya empire?**

Ans

✗ A. Rajjukas

✗ B. Annapala

✓ C. Samsthadhyaksha

✗ D. Durgapala

Q.79 **The Eastern Ghats are part of which physical feature of the Indian Peninsular Plateau?**

Ans

✓ A. Plateau

✗ B. Coastal Plains

✗ C. Mountain Ranges

✗ D. Desert Regions

Q.80 **How many Technology Transfer Agreements (TTAs) were signed by ISRO, IN-SPACe, and NSIL in September 2024 with non-governmental entities, enabling private companies to access ISRO's technologies for commercial use in various sectors?**

Ans

✗ A. 25

✗ B. 85

✓ C. 75

✗ D. 50

Q.81 **Which financial institution received the 'Best Conduct of Business Regulator' award in Asia-Pacific at the Asian Banker Awards in June 2024?**

Ans

✓ A. SEBI

✗ B. IFCI

✗ C. IDBI

✗ D. IIBI

Q.82 **Which of the following statements about the resistivity of metals is INCORRECT?**

Ans

✗ A. Resistivity is inversely proportional to the number density of electrons.

✗ B. Resistivity is directly proportional to the mass of the electron.

✗ C. Resistivity is inversely proportional to the relaxation time of the electrons.

✓ D. Resistivity is inversely proportional to the cross-sectional area of the metal.

Q.83 **Which crop was NOT a major cash crop cultivated in India at the time of independence?**

Ans

✓ A. Wheat

✗ B. Cotton

✗ C. Sugarcane

✗ D. Jute

Q.84 **Which of the following was the immediate cause of the Revolt of 1857?**

Ans

✗ A. Doctrine of Lapse

✗ B. Spreading Western Civilisation

✗ C. Introduction of Railways and Telegraph

✓ D. Introduction of the Enfield Rifle

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Q.85 **DNA is a molecule that holds the genetic information in the cells of living organisms. DNA stands for ____.**

Ans

✗ A. Disulphate Nitric Acid

✓ B. Deoxyribonucleic Acid

✗ C. Dinitric Acid

✗ D. Dioxide Nitrogen Acetate

Q.86 **The government allocated ₹1.48 lakh crore in the 2024 Budget for which purpose?**

Ans

✗ A. Defense

✗ B. Education

✓ C. Employment and skill development

✗ D. Healthcare

Q.87 **What was the net profit reported by SBI for Q3 FY24?**

Ans

✗ A. ₹7,100 crore

✗ B. ₹14,330 crore

✗ C. ₹14,205 crore

✓ D. ₹9,164 crore

Q.88 **In October 2024, the Union Cabinet (of India) approved an increase of ____ in Dearness Allowance (DA) for central government employees and Dearness Relief (DR) for pensioners, effective July 1, 2024.**

Ans

✓ A. 3%

✗ B. 5%

✗ C. 6%

✗ D. 8%

Q.89 **In Equestrian, who has become the first Indian rider to win a three-star Grand Prix event held at Lipica, Slovenia in June 2024?**

Ans

✗ A. Imtiaz Anees

✗ B. Anush Agarwalla

✓ C. Shruti Vora

✗ D. Fouaad Mirza

Q.90 **From what period did the Congress become more openly associated with Hindu religious nationalist groups, such as the Hindu Mahasabha?**

Ans

✗ A. Mid-1940s

✗ B. Mid-1930s

✓ C. Mid-1920s

✗ D. Mid-1950s

Q.91 **The 'Toda' tribe is known for its distinct culture and is mainly found in which region?**

Ans

✓ A. Tamil Nadu

✗ B. Maharashtra

✗ C. Odisha

✗ D. Madhya Pradesh

Q.92 **Maulana Abul Kalam Azad, a supporter of Hindu-Muslim unity, became the ____ in the first cabinet of independent India.**

Ans

✗ A. Law Minister

✗ B. Finance Minister

✓ C. Education Minister

✗ D. Defense Minister

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Q.93 **Which of the following debuted the first-ever generative AI-inspired trophy at the Formula 1 Canadian Grand Prix 2024, in June 2024?**

Ans

✗ A. Reliance Web Services

✗ B. Soap Web Services

✗ C. Restful Web Services

✓ D. Amazon Web Services

Q.94 **When was the 20-year road plan introduced in Independent India?**

Ans

✗ A. 1952

✗ B. 1975

✗ C. 1965

✓ D. 1961

Q.95 **The Pradhan Mantri Grammen Sadak Yojana was launched in the year _____.**

Ans

✓ A. 2000

✗ B. 2010

✗ C. 2005

✗ D. 1995

Q.96 **In July 2024, the Maharashtra government launched which stipend scheme aimed at supporting the youth?**

Ans

✗ A. Shiksha Kalyan Yojana

✗ B. Bal Vikas Yojana

✓ C. Ladka Bhau Yojana

✗ D. Mukhyamantri Yuva Sahayta Yojana

Q.97 **What was the primary aim of the Industrial Policy Resolution of 1956?**

Ans

✗ A. To promote free trade

✗ B. To prioritise the IT sector

✓ C. To establish a socialist pattern of society

✗ D. To increase private investment in all sectors

Q.98 **Known as the 'Dakshin Ganga', which river is the largest river system in Peninsular India?**

Ans

✗ A. Krishna

✓ B. Godavari

✗ C. Mahanadi

✗ D. Kaveri

Q.99 **The National Heritage City Development and Augmentation Yojana (HRIDAY), a central sector scheme launched on 21st January 2015, was implemented in _____ cities.**

Ans

✗ A. 20

✗ B. 10

✓ C. 12

✗ D. 14

Q.100 **According to Section 22C(1) of the Legal Services Authorities Act, 1987, Permanent Lok Adalats DO NOT have jurisdiction over disputes related to:**

Ans

✓ A. non-compoundable offences

✗ B. compoundable offenses

✗ C. public utility services

✗ D. civil disputes

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Q.101 What was the purpose of declaring 14 April as World Quantum Day?

Ans

✔ A. To promote global awareness of quantum science and technology

✘ B. To encourage international collaborations in quantum research

✘ C. To celebrate quantum breakthroughs in communication systems

✘ D. To commemorate advancements in quantum mechanics and applications

Q.102 What was the main slogan for the Extremists' economic policy?

Ans

✘ A. Quit India

✔ B. Swadeshi

✘ C. Swaraj

✘ D. Self-governance

Q.103 Which is the largest river that flows through the Great Indian Desert?

Ans

✘ A. Son

✔ B. Luni

✘ C. Ken

✘ D. Yamuna

Q.104 Which of the following events shook the foundation of British rule in India and led to the end of the East India Company's rule?

Ans

✘ A. Battel of Plassey

✘ B. Battel of Banaras

✔ C. The 1857 Revolt

✘ D. Battel of Buxar

Q.105 In the Nagara style of North India, it is common for an entire temple to be built on a _____ platform with steps leading up to it.

Ans

✘ A. iron

✘ B. wood

✔ C. stone

✘ D. bricks

Q.106 How many books does Abhidhamma Pitaka consist of?

Ans

✔ A. Seven

✘ B. Eleven

✘ C. Nine

✘ D. Five

Q.107 The Agra Fort is primarily made of which of the following materials?

Ans

✘ A. Red bricks

✔ B. Red sandstone

✘ C. White marble

✘ D. White sandstone

Q.108 Which of the following do NOT participate in the election of the President of India?

Ans

✘ A. Elected members of the Legislative Assemblies of states

✘ B. Elected members of both Houses of Parliament

✘ C. Elected members of the Legislative Assemblies of Delhi and Puducherry

✔ D. Nominated members of both Houses of Parliament and Members of Jammu and Kashmir Legislative Assembly

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Q.109 In India's parliamentary system of government, the Prime Minister is regarded as the:

Ans
- ✔ A. De facto executive authority
- ✘ B. Head of the judiciary
- ✘ C. Ceremonial head of state
- ✘ D. Nominal executive authority

Q.110 Which Article of the Indian Constitution establishes the Finance Commission as a constitutional body?

Ans
- ✘ A. Article 275
- ✔ B. Article 280
- ✘ C. Article 110
- ✘ D. Article 324

Q.111 Which of the following characteristics corresponding to plant functions is true for angiosperms?

Ans
- ✔ A. They produce seeds enclosed within fruits.
- ✘ B. They reproduce using spores.
- ✘ C. They predominantly rely on wind for pollination.
- ✘ D. They lack vascular tissue for nutrient transport.

Q.112 What is human development?

Ans
- ✔ A. Improving the quality of life, education and health of people
- ✘ B. Industrial growth
- ✘ C. Increasing population growth
- ✘ D. Development of machines

Q.113 State Bank of India raised ₹5,000 crore through additional tier-I (AT-I) bonds at a ____ coupon rate in October 2024.

Ans
- ✘ A. 6.13%
- ✔ B. 7.98%
- ✘ C. 9.45%
- ✘ D. 5.01%

Q.114 What was the primary reason for the slow growth of the secondary sector in India before 1991?

Ans
- ✘ A. Excessive private sector competition
- ✔ B. Heavy government regulations and licensing policies
- ✘ C. Lack of raw materials
- ✘ D. Limited demand for industrial goods

Q.115 'A Meeting by the River' is a music album by which Indian musician, for which he won the Grammy for Best World Music Album in 1993?

Ans
- ✔ A. Pandit Vishwa Mohan Bhatt
- ✘ B. Pandit Hariprasad Chaurasia
- ✘ C. Pandit Shivkumar Sharma
- ✘ D. Pandit Ravi Shankar

Q.116 In September 2024, who among the following became the first woman from Pakistan to be nominated for the ICC International Panel of development umpires?

Ans
- ✘ A. Diana Baig
- ✔ B. Saleema Imtiaz
- ✘ C. Kainat Imtiaz
- ✘ D. Gull Feroza

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Q.117 **In September 2024, the Finance Minister of India launched which new pension scheme designed specifically for minors?**

Ans

✔ A. NPS Vatsalya

✘ B. Sishu Pension Yojana

✘ C. PM Vaya Vandana Yojana

✘ D. Atal Pension Yojana

Q.118 **The Harappa site of the Indus Valley Civilisation was discovered in which year?**

Ans

✘ A. 1939

✘ B. 1967

✘ C. 1821

✔ D. 1921

Q.119 **A light wave has a wavelength of 300 nm in vacuum. What is the wavelength of the light as it travels through Benzene (refractive index = 1.50)?**

Ans

✘ A. 450 nm

✘ B. 500 nm

✘ C. 300 nm

✔ D. 200 nm

Q.120 **The 14th Hockey India Junior Women National Championship was held in which place in October 2024?**

Ans

✘ A. Bhubaneswar

✔ B. Ranchi

✘ C. Hyderabad

✘ D. Cuttack

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	17/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **Amit can do a piece of work in 6 hours. Gopal can do it in 42 hours. With the assistance of Akshay, they completed the work in 3 hours. In how many hours can Akshay alone do it?**

Ans
- ✗ A. 9
- ✓ B. 7
- ✗ C. 8
- ✗ D. 6

Q.2

Find the value of $80^{-2} \div 80^{15} \times 80^{-10}$

Ans
- ✗ A. 1. 80^{-20}
- ✗ B. 2. 80^{-19}
- ✓ C. 3. 80^{-27}
- ✗ D. 4. 80^{-26}

Q.3 **The LCM of two prime numbers K and P (where K > P) is 667. Find the value of 3P + K.**

Ans
- ✗ A. 108
- ✓ B. 98
- ✗ C. 128
- ✗ D. 88

Q.4 **Which of the following ratio is smallest?**

Ans
- ✗ A. 12 : 33
- ✗ B. 24 : 37
- ✓ C. 21 : 59
- ✗ D. 26 : 52

Q.5 **The digit in place of A that makes 25432A7 divisible by 9 is:**

Ans
- ✗ A. 0
- ✗ B. 3
- ✗ C. 1
- ✓ D. 4

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Q.6 If 25% of a number is added to 78, then the result is the same number. 80% of the same number is:

Ans

✗ A. 113.2

✗ B. 103.2

✗ C. 53.2

✓ D. 83.2

Q.7 The dimensions of a rectangular solid are 8 cm × 4 cm × 1 cm. What is the length (in cm) of its diagonal?

Ans

✗ A. 15

✗ B. 10

✗ C. 13

✓ D. 9

Q.8 Find the compound interest (in ₹, rounded off to the nearest integer) on ₹2,55,000 in 1.5 years at 8% per annum, the interest being compounded half-yearly.

Ans

✓ A. 31,840

✗ B. 32,480

✗ C. 34,180

✗ D. 31,480

Q.9 An Uber auto covers a distance of 525 km in 21 hours. What is its speed in km/h?

Ans

✓ A. 25

✗ B. 26

✗ C. 33

✗ D. 22

Q.10 Mohan bought an article for ₹1,520 and sold it for ₹1,870. Find his profit percentage (correct to two places of decimals).

Ans

✗ A. 21.36%

✗ B. 22.78%

✓ C. 23.03%

✗ D. 20.15%

Q.11 How many times 0.25 is 2.5?

Ans

✗ A. 12 times

✓ B. 10 times

✗ C. 1 time

✗ D. 5 times

Q.12 The present cost of a house is ₹155120. After a year, its cost increased to ₹197932. The percentage increase (rounded off to the nearest integer) in the cost of the house is:

Ans

✗ A. 25

✗ B. 23

✓ C. 28

✗ D. 26

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Q.13 A hollow spherical shell is made of a metal of density 36 g/cm^3. Its internal and external radius are 1 cm and 2 cm, respectively. What is the weight (in kg) of the shell ?

$(take\ \pi = \frac{22}{7})$

Ans

✗ A. 2.57

✓ B. 1.056

✗ C. 2.38

✗ D. 1.944

Q.14 A girl goes to school at a speed of 21 km/hr. She comes back with a speed of 42 km/hr. Find her average speed for the whole journey.

Ans

✗ A. 30 km/h

✗ B. 26 km/h

✓ C. 28 km/h

✗ D. 20 km/h

Q.15 An amount of ₹440 is divided among three persons in the ratio of 7 : 17 : 16. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans

✗ A. 127

✓ B. 110

✗ C. 114

✗ D. 84

Q.16 A money lender borrows a sum of ₹7,000 from market at compound interest at a rate of 5% per annum, compounded annually. The amount paid after two year will be:

Ans

✗ A. ₹7,800

✓ B. ₹7,717.50

✗ C. ₹7,860.25

✗ D. ₹7,900

Q.17 The average of first 123 odd natural numbers, is:

Ans

✗ A. 124

✗ B. 122.5

✗ C. 123.5

✓ D. 123

Q.18 The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 130. Find the average of the remaining two numbers?

Ans

✗ A. 188.5

✓ B. 187.5

✗ C. 205

✗ D. 206

Q.19 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 121. Find the average of the remaining two numbers?

Ans

✓ A. 189

✗ B. 199

✗ C. 200

✗ D. 190

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Q.20 **Evaluate: 41 - [36 - {48 ÷ 2 - (6 - 12 ÷ 2) ÷ 3}]**

Ans

✗ A. 30

✗ B. 28

✗ C. 31

✓ D. 29

Q.21 **How many seconds will a boy take to run one complete round around a square field of side 20 metres, if he runs at a speed of 16 km/h?**

Ans

✓ A. 18

✗ B. 21

✗ C. 17

✗ D. 13

Q.22 **A store marks a washing machine at ₹25,000 and offers a series of two discounts: 10% and then 20% on the reduced price. What is the final price after both discounts?**

Ans

✗ A. ₹17,500

✗ B. ₹22,500

✓ C. ₹18,000

✗ D. ₹18,500

Q.23 **In covering a distance of 192 km, Anmol takes 9 hours more than Nikhil. If Anmol doubles his speed, then he would take 7 hour less than Nikhil. Anmol's speed is:**

Ans

✗ A. 15 km/h

✗ B. 3 km/h

✗ C. 14 km/h

✓ D. 6 km/h

Q.24 **Aman offers a discount scheme, such that on buying 12 rough copies, get x rough copies for free. If the equivalent percentage discount is 25%, then what is the value of x?**

Ans

✗ A. 6

✗ B. 3

✗ C. 5

✓ D. 4

Q.25 **The highest common factor of 363, 495, and 561 is N. The digit sum of N is:**

Ans

✗ A. 7

✗ B. 5

✗ C. 4

✓ D. 6

Q.26 **Anjani can do a certain piece of work in 30 days. Anjani and Khushbu can together do the same work in 24 days, and Anjani, Khushbu and Sushmita can do the same work together in 12 days. In how many days can Anjani and Sushmita do the same work?**

Ans

✓ A. $\frac{40}{3}$

✗ B. $\frac{38}{5}$

✗ C. $\frac{47}{4}$

✗ D. $\frac{49}{3}$

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Q.27 **The sum of 10 numbers is 372. Find their average.**

Ans

✗ A. 35.2

✗ B. 36.2

✓ C. 37.2

✗ D. 38.2

Q.28 **65% of 240 + ?% of 150 = 201**

Ans

✗ A. 40

✗ B. 35

✗ C. 25

✓ D. 30

Q.29 **Alice can complete a task in 18 days, and Bob can complete the same task in 24 days. If they work together, how long will it take for them to complete the task?**

Ans

✓ A. $10\frac{2}{7}$

✗ B. 10 days

✗ C. 8 days

✗ D. $9\frac{3}{5}$

Q.30 **In what ratio should sugar costing ₹40 per kg be mixed with sugar costing ₹81 per kg so that by selling the mixture at ₹57.5 per kg, there is a profit of 25%?**

Ans

✗ A. 5 : 33

✓ B. 35 : 6

✗ C. 8 : 36

✗ D. 4 : 34

Q.31 **If the price of an item increased from ₹3,135 to ₹4,389, what is the percentage change?**

Ans

✗ A. 20% increase

✗ B. 40% decrease

✓ C. 40% increase

✗ D. 25% increase

Q.32 **A triangle has two equal sides of 13 cm each and third side of 10 cm. The area (in cm^2) of the triangle is:**

Ans

✗ A. 40

✓ B. 60

✗ C. 45

✗ D. 50

Q.33 **If a shopkeeper bears 25% loss, then which of the following statements is/are correct?**

Statement A: The cost price of 15 articles is equal to the selling price of 20 articles.
Statement B: The cost price of 12 articles is equal to the selling price of 17 articles.

Ans

✗ A. Only Statement B is correct.

✗ B. Neither Statement A nor B is correct.

✓ C. Only Statement A is correct.

✗ D. Both Statements A and B are correct.

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Q.34 **A sum, when invested at 10% simple interest per annum, amounts to ₹4560 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?**

Ans

✗ A. 1520

✗ B. 3040

✓ C. 760

✗ D. 380

Q.35 If $2^{x} - 2^{x-1} = 32$, then the value of $\frac{2x-1}{2x+3}$ is:

Ans

✗ A. $\frac{11}{13}$

✓ B. $\frac{11}{15}$

✗ C. $\frac{11}{14}$

✗ D. $\frac{11}{16}$

Section : **General Intelligence and Reasoning**

Q.36 **In a certain code language, 'MINE' is coded as '3591' and 'IRKS' is coded as '2436'. What is the code for 'I' in the given code language?**

Ans

✗ A. 5

✗ B. 2

✓ C. 3

✗ D. 6

Q.37 **Seven friends, Q, R, S, T, W, X and Y, are sitting around a circular table facing the centre of the table. Only one person sits between Q and W. Q sits immediately to the right of X. Y sits immediately to the left of W. Only R sits between Q and T. How many people sit between Q and Y when counted from the right of Y?**

Ans

✓ A. Two

✗ B. Three

✗ C. One

✗ D. Four

Q.38 **In a certain code language,**
A + B means 'A is the wife of B'
A < B means 'A is the sister of B'
A ! B means 'A is the son of B'
A : B means 'A is the father of B'
Based on the above, how is S related to E if 'S : M < I + L ! E'?

Ans

✗ A. Son's wife's mother

✗ B. Son's wife's brother

✗ C. Son's wife's sister

✓ D. Son's wife's father

Q.39 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

ASG37, OEU78, CQI119, QCW160, ?

Ans

✓ A. EOK201

✗ B. ECK201

✗ C. FOK201

✗ D. EOK200

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Q.40 **This question is based on the five, three-digit numbers given below.**

(Left) 372 196 388 198 329 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

Ans

✗ A. 16

✗ B. 15

✗ C. 18

✓ D. 17

Q.41 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 27, 41)
(44, 31, 18)

Ans

✗ A. (21, 25, 28)

✗ B. (15, 13, 14)

✗ C. (19, 24, 21)

✓ D. (18 ,16, 14)

Q.42 **This question is based on the five, three-digit numbers given below.**
(Left) 430 284 491 231 487 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.
What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

Ans

✗ A. 9

✗ B. 6

✓ C. 12

✗ D. 7

Q.43 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)**

Ans

✗ A. INS

✗ B. VAF

✓ C. DJN

✗ D. LQV

Q.44 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

VRL 21, BXR 32, HDX 43, NJD 54, TPJ 65, ?

Ans

✗ A. ZXP 76

✗ B. ZVP 75

✓ C. ZVP 76

✗ D. IVP 76

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Q.45 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**

Statements:
All vans are utilities.
All trucks are utilities.

Conclusions:
(I) Some vans are trucks.
(II) Some utilities are trucks.

Ans
- ✗ A. Only conclusion (I) follows.
- ✗ B. Both conclusions (I) and (II) follow.
- ✗ C. Neither conclusion (I) nor (II) follows.
- ✓ D. Only conclusion (II) follows.

Q.46 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

UUU4, QQQ4, MMM4, III4, ?

Ans
- ✗ A. HHH4
- ✓ B. EEE4
- ✗ C. FFF4
- ✗ D. GGG4

Q.47 **In a certain code language,**
A + B means 'A is the mother of B'
A − B means 'A is the father of B'
A X B means 'A is the sister of B'
A / B means 'A is the brother of B'
A > B means 'A is the husband of B'
A * B means 'A is the wife of B'

How is M related to B if M − N + T X B > K ?

Ans
- ✗ A. Mother
- ✓ B. Mother's father
- ✗ C. Father's sister
- ✗ D. Sister

Q.48 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All tables are beds.
Some tables are pillows.
All pillows are curtains.

Conclusions:
(I) Some curtains are tables.
(II) Some pillows are beds.

Ans
- ✗ A. Only conclusion (II) follows.
- ✗ B. Neither conclusion (I) nor (II) follows.
- ✗ C. Only conclusion (I) follows.
- ✓ D. Both conclusions (I) and (II) follow.

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Q.49 In a certain code language, 'ROSE' is coded as '2673' and 'HERO' is coded as '7136'. What is the code for 'H' in the given code language?

Ans
- ✗ A. 3
- ✗ B. 7
- ✓ C. 1
- ✗ D. 6

Q.50 All 43 people are standing in a row facing North. Munir is 11th from the right end while Dilip is 24th from the left end. How many people are there between Munir and Dilip?

Ans
- ✗ A. 6
- ✗ B. 5
- ✗ C. 7
- ✓ D. 8

Q.51 In a certain code language, 'WITH' is coded as '7894' and 'THIN' is coded as '8745'. What is the code for 'W' in the given code language?

Ans
- ✗ A. 7
- ✓ B. 9
- ✗ C. 4
- ✗ D. 8

Q.52 What should come in place of the question mark (?) in the given series?

9 15 23 33 45 ?

Ans
- ✓ A. 59
- ✗ B. 58
- ✗ C. 60
- ✗ D. 57

Q.53 This question is based on the five, three-digit numbers given below.

(Left) 241 341 735 672 457 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

Ans
- ✗ A. 4
- ✗ B. 1
- ✗ C. 2
- ✓ D. 3

Q.54 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BNM - CMN
EFT - FEU

Ans
- ✗ A. LIN - MNO
- ✗ B. UIO - VJP
- ✗ C. WER - XFT
- ✓ D. SWE - TVF

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Q.55 **What will come in place of the question mark (?) in the following equation if '+' and '–' are interchanged and '×' and '÷' are interchanged?**
200 × 5 ÷ 14 – 41 + 18 = ?

Ans
✗ A. 609
✗ B. 590
✓ C. 583
✗ D. 612

Q.56 **Ronak starts from Point A and drives 5 km towards the north. He then takes a right turn, drives 6 km, turns right and drives 9 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
✗ A. 5 km to the west
✓ B. 5 km to the east
✗ C. 4 km to the east
✗ D. 4 km to the west

Q.57 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All hats are roses.
Some drinks are hats.

Conclusions:
(I) All drinks are roses.
(II) Some roses are drinks.

Ans
✗ A. Both conclusions (I) and (II) follow.
✗ B. Neither conclusion (I) nor (II) follows.
✓ C. Only conclusion (II) follows.
✗ D. Only conclusion (I) follows.

Q.58 **What should come in place of the question mark (?) in the given series?**

13 138 263 327 391 418 ?

Ans
✗ A. 463
✗ B. 434
✓ C. 445
✗ D. 427

Q.59 **What should come in place of the question mark (?) in the given series?**

6 10 18 30 46 ?

Ans
✗ A. 63
✗ B. 64
✗ C. 65
✓ D. 66

Q.60 **AYOL is related to ONEC in a certain way based on the English alphabetical order. In the same way, EGAB is related to SVQS. To which of the given options is UZWA related, following the same logic?**

Ans
✗ A. MIOR
✗ B. MORI
✓ C. IOMR
✗ D. IORM

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Q.61 In the following expression, what will be the final value calculated after interchanging all the '1's and '2's?
4 + 2 − 1 + 1 − 2 − 1 + 3 − 4 + 2 + 1 − 6

Ans

✗ A. −4

✓ B. −2

✗ C. 7

✗ D. 1

Q.62 What will be the value of the following expression, if the '−' and the '×' signs are interchanged?
18 × 2 + 5 − 9 ÷ 3 × 2 − 6 = ?

Ans

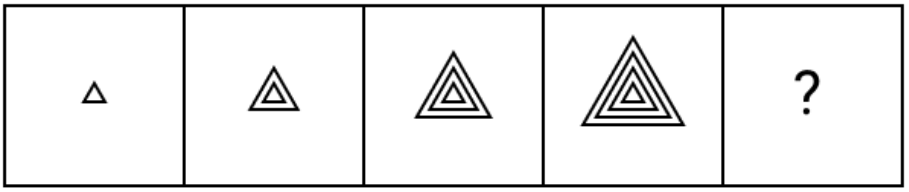
✓ A. 19

✗ B. 23

✗ C. 12

✗ D. 8

Q.63



Ans

✓ A.



✗ B.



✗ C.



✗ D.



Q.64 5P is related to 4O in a certain way. In the same way, 3N is related to 2M. To which of the following is 1L related, following the same logic?

Ans

✗ A. 1K

✗ B. 2K

✓ C. 0K

✗ D. 0J

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Q.65 **H, A, T, B, O, R, and D are sitting around a circular table facing the centre. D sits to the immediate right of A. T sits second to the left of A. O sits third to the left of T. Only one person sits between O and B. Who sits to the immediate left of T?**

Ans

✔ A. B

✘ B. H

✘ C. R

✘ D. O

Q.66 **In a row of 17 students facing north, Giyanshi is 9th from the left end. If Uri is 5th to the right of Giyanshi, what is Uri's position from the right end of the line?**

Ans

✔ A. 3

✘ B. 1

✘ C. 4

✘ D. 2

Q.67 **Rohit starts from Point A and drives 9 km towards East. He then takes a right turn, drives 6 km, turns left and drives 7 km. He then takes a right turn and drives 3 km. He takes a final right turn, drives 16 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)**

Ans

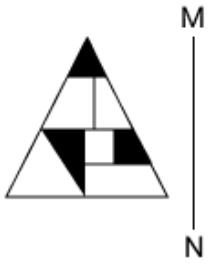
✘ A. 8 km towards East

✘ B. 8 km towards West

✔ C. 9 km towards North

✘ D. 9 km towards South

Q.68



Ans

✔ A.



✘ B.



✘ C.



✘ D.



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Q.69 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. AHO
- ✓ B. GNY
- ✗ C. TAH
- ✗ D. ELS

Q.70 **L, M, N, O, P, Q, and R are sitting around a circular table facing the centre. Only one person sits between P and O when counted from the right of P. Only one person sits between O and N. Only one person sits between P and Q. Only two people sit between R and N. Only one person sits between L and Q. Who sits third to the right of M?**

Ans
- ✗ A. L
- ✗ B. R
- ✗ C. N
- ✓ D. O

Section : **General Awareness**

Q.71 **Which of the following are the types of Rural Development Strategies?**

1. Strategy based on collectivization of resources
2. Strategy based on regulated capitalist perspective
3. Strategy based on peasant agrarian perspective

Ans
- ✗ A. Only 2 and 3
- ✓ B. 1, 2 and 3
- ✗ C. Only 1 and 3
- ✗ D. Only 1 and 2

Q.72 **Efficiency of Carnot engine can be increased by:**

Ans
- ✗ A. increasing the amount of working substance
- ✓ B. decreasing the sink temperature
- ✗ C. increasing the sink temperature
- ✗ D. decreasing the amount of working substance

Q.73 **In October 2024, the Union Cabinet approved giving the status of 'classical language' to how many languages?**

Ans
- ✗ A. 7
- ✗ B. 3
- ✓ C. 5
- ✗ D. 9

Q.74 **The coastal strip between Daman and Goa is called the:**

Ans
- ✓ A. Konkan Coast
- ✗ B. Malabar Coast
- ✗ C. Karnataka Coast
- ✗ D. Coromandel Coast

Q.75 **Which economist's ideas had a strong influence on the agricultural and industrial focus of the Second Five Year Plan?**

Ans
- ✗ A. Jagdish Bhagwati
- ✓ B. PC Mahalanobis
- ✗ C. Manmohan Singh
- ✗ D. Amartya Sen

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Q.76 **Which Five Year Plan is often associated with a 'Rolling Plan' concept due to political changes?**

Ans
- ✔ A. Fifth Plan
- ✘ B. Eighth Plan
- ✘ C. Fourth Plan
- ✘ D. Sixth Plan

Q.77 **Union Finance Minister, while presenting Union Budget for 2022-23, announced the National Ropeways Development Programme, which is known as _____.**

Ans
- ✘ A. Vishwamala
- ✘ B. Darshanmala
- ✔ C. Parvatmala
- ✘ D. Parikrammala

Q.78 **_____ has the power to amend the Constitution of India.**

Ans
- ✘ A. The Prime Minister of India
- ✔ B. The Parliament of India
- ✘ C. The Election Commission of India
- ✘ D. The President of India

Q.79 **Provision for the Administration and Control of Scheduled Areas and Scheduled Tribes is mentioned under which of the following schedules?**

Ans
- ✘ A. Fifth Schedule, Part B
- ✘ B. Sixth Schedule, Part B
- ✔ C. Fifth Schedule, Part A
- ✘ D. Sixth Schedule, Part A

Q.80 **Which of the following parts of the Indian Constitution contains Articles 239 to 241 that deals with union territories?**

Ans
- ✔ A. Part VIII
- ✘ B. Part VII
- ✘ C. Part IX
- ✘ D. Part X

Q.81 **'Providing early childhood care and education to all children until they complete the age of 6 years' belongs to which Section of the Indian Constitution?**

Ans
- ✔ A. Directive Principles of State Policy
- ✘ B. Legal responsibilities
- ✘ C. Fundamental Rights
- ✘ D. Fundamental Duties

Q.82 **Ajanta, which is located in Aurangabad district of Maharashtra, is famous for which of the following monuments of Buddhist architecture?**

Ans
- ✘ A. Stambhas
- ✘ B. Viharas
- ✔ C. Caves
- ✘ D. Stupas

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Q.83 **As per the 'State of Economy' report in the RBI bulletin, in H1 FY25, what fraction of the gross FDI inflows was sourced from Singapore, Mauritius, the UAE, the Netherlands and the US?**

Ans

✗ A. Half

✗ B. One-third

✓ C. Three-fourths

✗ D. Two-thirds

Q.84 **Who is the director of the Kannada film 'Kantara', which won the award for Best Popular Film Providing Wholesome Entertainment at the 70th National Film Award 2024?**

Ans

✗ A. Raj B Shetty

✓ B. Rishab Shetty

✗ C. Rakshit Shetty

✗ D. Rohit Shetty

Q.85 **The political landscape in India fundamentally changed as a result of the fourth general election held in the year ____.**

Ans

✓ A. 1967

✗ B. 1972

✗ C. 1977

✗ D. 1961

Q.86 **Which of the following is the primary objective of the Boiler Act, 2024?**

Ans

✗ A. Promote renewable energy use in industries

✓ B. Establish stricter safety standards for boiler operations

✗ C. Increase the export of boilers

✗ D. Provide subsidies for boiler manufacturing

Q.87 **By how much percentage did HDFC Bank's net profit grow year-on-year (Y-o-Y) in Q2 FY25?**

Ans

✓ A. 5.3%

✗ B. 4%

✗ C. 10%

✗ D. 15%

Q.88 **Which company launched Topaz BankingSLM and Topaz ITOpsSLM in October 2024, using the NVIDIA AI Stack for enterprise AI?**

Ans

✓ A. Infosys

✗ B. Wipro

✗ C. Mphasis Limited

✗ D. Tech Mahindra

Q.89 **Which of the following is a government scheme for rural employment in India?**

Ans

✓ A. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)

✗ B. Swachh Bharat Mission

✗ C. Ayushman Bharat

✗ D. Skill India

Q.90 **In June 2024, the Indian Army opened the Khalubar War Memorial for tourists located in which State or Union Territory?**

Ans

✗ A. Uttarakhand

✗ B. Jammu and Kashmir

✗ C. Goa

✓ D. Ladakh

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Q.91 **Jamshedpur is an ideal location for which of the following types of industries?**

Ans

✗ A. Dairy Industry

✗ B. Cotton Textile Industry

✓ C. Iron and Steel Industry

✗ D. Paper and Pulp Industry

Q.92 **Which body has the constitutional mandate to investigate all matters relating to the safeguards provided for Scheduled Castes under the Constitution?**

Ans

✗ A. National Commission for Minorities

✓ B. National Commission for Scheduled Castes

✗ C. Election Commission of India

✗ D. National Human Rights Commission

Q.93 **Which of the following changes was proposed in the 2024 Budget to benefit employees' social security through the National Pension Scheme (NPS) as per Budget 2024?**

Ans

✗ A. Decrease employer contribution from 14% to 10%

✗ B. Increase employee contribution from 10% to 14%

✓ C. Increase employer contribution from 10% to 14%

✗ D. Decrease employee contribution from 14% to 10%

Q.94 **The British response after the Indian Rebellion of 1857 was to:**

Ans

✗ A. provide economic aid to Indian farmers

✗ B. all the princely states were annexed under British rule

✓ C. community, caste, tribal and provincial loyalties were promoted in the army

✗ D. immediately grant India self-rule

Q.95 **In India, dryland farming is primarily practiced in regions with which of the following annual rainfall levels?**

Ans

✗ A. More than 120 cm

✓ B. Less than 75 cm

✗ C. Between 90 and 120 cm

✗ D. Between 75 and 90 cm

Q.96 **Which of the following countries won the maximum number of medals at Paris 2024 Olympics?**

Ans

✓ A. USA

✗ B. People's Republic of China

✗ C. France

✗ D. Great Britain

Q.97 **Which sector is primarily involved in agriculture and natural resource extraction?**

Ans

✗ A. Secondary

✗ B. Tertiary

✗ C. Quaternary

✓ D. Primary

Q.98 **Tuzuk-i-Baburi was written in which language?**

Ans

✓ A. Turkish

✗ B. Sanskrit

✗ C. Urdu

✗ D. Hindi

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Q.99 **The kinetic energy of a particle depends on which of the following?**

Ans

✗ A. Only mass of the particle

✗ B. Only velocity of the particle

✗ C. Both mass and acceleration of the particle

✓ D. Both mass and velocity of the particle

Q.100 **Who was the ruler of Delhi when Babur invaded?**

Ans

✗ A. Daulat Khan Lodi

✓ B. Ibrahim Lodi

✗ C. Mahmud Lodi

✗ D. Sikandar Lodi

Q.101 **The establishment of how many Artificial Intelligence Centres of Excellence (AI-COEs) (focused on health, agriculture, and sustainable cities) were announced by Union Education Minister Dharmendra Pradhan in October 2024?**

Ans

✓ A. Three

✗ B. Five

✗ C. Two

✗ D. Seven

Q.102 **As of October 2024, the highest GST collection of ₹2.10 lakh crore was recorded in _____.**

Ans

✓ A. April 2024

✗ B. August 2024

✗ C. July 2024

✗ D. October 2024

Q.103 **During winter months, dry continental winds from Central Asia primarily come in contact with trade winds over which of the following regions of India?**

Ans

✗ A. Eastern India

✗ B. Northeastern India

✗ C. Southern India

✓ D. Northwestern India

Q.104 **Who was the king of Jagdishpur during the Revolt of 1857?**

Ans

✗ A. Tatya Tope

✗ B. Hukum Singh

✗ C. Bahadur Shah Zafar

✓ D. Kunwar Singh

Q.105 **What is the maximum limit for a contactless payment transaction using a debit or credit card in India as of 2024?**

Ans

✗ A. ₹1,000

✓ B. ₹5,000

✗ C. ₹10,000

✗ D. ₹500

Q.106 **Consider an ideal gas system. For an exothermic reaction occurring at constant pressure, how does the enthalpy change?**

Ans

✗ A. Path dependent

✓ B. Negative

✗ C. Zero

✗ D. Positive

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Q.107 **During whose tenure as the Viceroy of India was the first session of the Indian National Congress held?**

Ans

✗ A. Lord Curzon

✗ B. Lord Ripon

✓ C. Lord Dufferin

✗ D. Lord Lytton

Q.108 **What is the percentage of urban population of India according to the 2011 Census?**

Ans

✓ A. 31.16%

✗ B. 41.16%

✗ C. 35.16%

✗ D. 25.16%

Q.109 **Read the following statements carefully and select the correct option regarding their correctness.**

Statement I: 'Project Tiger' is a Centrally Sponsored Scheme (CSS) of the Ministry of Environment, Forests and Climate Change.
Statement II: The National Tiger Conservation Authority (NTCA) has been fulfilling its mandate of strengthening tiger conservation in the country within the ambit of the Wildlife (Protection) Act 1972.

Ans

✗ A. Statement I is correct, while Statement II is incorrect.

✓ B. Both Statement I and Statement II are correct.

✗ C. Statement I is incorrect, while Statement II is correct.

✗ D. Both Statement I and Statement II are incorrect.

Q.110 **The charge of two H^+ ions is _____.**

Ans

✓ A. 1. $+3.2 \times 10^{-19}$ C

✗ B. 2. $+3.2 \times 10^{-10}$ C

✗ C. 3. -1.6×10^{-19} C

✗ D. 4. $+ 1.6 \times 10^{-19}$ C

Q.111 **Where was the IBSF World Billiards Championship 2024 held?**

Ans

✗ A. Amman, Jordan

✗ B. Damascus, Syria

✗ C. Abu Dhabi, United Arab Emirates

✓ D. Doha, Qatar

Q.112 **To which of the following countries did Nana Saheb flee after being defeated in the Revolt of 1857?**

Ans

✗ A. China

✗ B. Sri Lanka

✗ C. Burma

✓ D. Nepal

Q.113 **What is the composition of a Lok Adalat?**

Ans

✗ A. A Lok Adalat consists of a judicial officer and two lawyers.

✓ B. A Lok Adalat consists of a judicial officer, a lawyer and a social worker.

✗ C. A Lok Adalat consists of only the judicial officer.

✗ D. A Lok Adalat consists of a judge and a group of legal experts.

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Q.114 **Within which dates of December every year, Konark experiences a surge of tourists and art enthusiasts alike, to envision the biggest and the grandest of dance festivals in the state of Odisha?**

Ans

✗ A. 1. 6th to 10th

✗ B. 2. 10th to 15th

✓ C. 3. 1st to 5th

✗ D. 4. 15th to 20th

Q.115 **Which Indian sand artist won the Golden Sand Master Award at the International Sand Sculpture Championship held at St. Petersburg city of Russia in July 2024?**

Ans

✗ A. Manas Kumar Sahoo

✓ B. Sudarsan Pattnaik

✗ C. Rajat Kumar

✗ D. Manisha Swarnkar

Q.116 **The Deccan Plateau is mostly composed of:**

Ans

✗ A. pumice and red soil

✗ B. granite and basalt

✗ C. alluvial soil

✓ D. limestone and sandstone

Q.117 **Which Schedule of the Indian Constitution contains the list of recognised languages in India?**

Ans

✗ A. Tenth Schedule

✓ B. Eighth Schedule

✗ C. Eleventh Schedule

✗ D. Ninth Schedule

Q.118 **Vijay Kumar N was honoured with the Sangeet Natak Akademi Yuva Puraskar (2008) for his contribution to _____ dance.**

Ans

✓ A. Kathakali

✗ B. Kathak

✗ C. Odissi

✗ D. Bharatanatyam

Q.119 **The Vichitra Veena has about how many sympathetic strings of varying lengths which run parallel to and under the main strings?**

Ans

✗ A. 14

✗ B. 16

✓ C. 12

✗ D. 10

Q.120 **Which of the following is correct about Specific heat capacity of water?**

Ans

✗ A. The specific heat of water remains constant in the temperature range 0°C to 100°C.

✗ B. With rise in temperature from 0°C, it decreases.

✓ C. The specific heat of water varies slightly with temperature.

✗ D. With rise in temperature from 0°C, it increases.

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	17/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **The monthly incomes of two friends Nirmal and Rakesh, are in the ratio 5 : 7 respectively and each of them saves ₹90000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Nirmal(in ₹).**

Ans
- ✗ A. 151000
- ✗ B. 210000
- ✗ C. 149000
- ✓ D. 150000

Q.2 **A man can row at the speed of 9.5 km/h in still water. He finds that it takes him twice as much time to row up than to row down the same distance in the river. Find the speed (in km/h) of the current.**

Ans
- ✗ A. $2\frac{1}{6}$
- ✗ B. $4\frac{1}{3}$
- ✓ C. $3\frac{1}{6}$
- ✗ D. $5\frac{1}{3}$

Q.3 **4 men can complete a piece of work in 14 days while 4 women can do it in 10 days. In how many days can 5 women and 7 men complete it?**

Ans
- ✗ A. 2 days
- ✓ B. 4 days
- ✗ C. 3 days
- ✗ D. 8 days

Q.4 **The ratio of milk and water in a 77 litre mixture is 6 : 5. Find the quantity (in litres) of water to be added to the mixture in order to make this ratio 1:1.**

Ans
- ✗ A. 4
- ✗ B. 17
- ✓ C. 7
- ✗ D. 5

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Q.5 **Anwar bought 52 books for Rs 1130 from one shop and 47 books for Rs 925 from another. What is the average price (in Rs) he paid per book ?**

Ans
- ✗ A. 23.76
- ✗ B. 21.76
- ✗ C. 22.76
- ✓ D. 20.76

Q.6 Calculate the LCM of $\frac{36}{25}, \frac{42}{125}, \frac{54}{55}$

Ans
- ✗ A. $151\frac{2}{5}$
- ✓ B. $151\frac{1}{5}$
- ✗ C. $151\frac{4}{5}$
- ✗ D. $151\frac{3}{5}$

Q.7 $\left[\left(\frac{3}{9}\right)^{-9} \times \left(\frac{9}{3}\right)^{-6} \times \left(\frac{1}{8}\right)^{-3}\right]^{-5}$

Ans
- ✓ A. $\left(\frac{3}{72}\right)^{15}$
- ✗ B. $\left(\frac{3}{82}\right)^{15}$
- ✗ C. $\left(\frac{5}{72}\right)^{14}$
- ✗ D. $\left(\frac{72}{3}\right)^{17}$

Q.8 **A sum, when invested at 10% simple interest per annum, amounts to ₹4080 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?**

Ans
- ✓ A. 680
- ✗ B. 2720
- ✗ C. 340
- ✗ D. 1360

Q.9 If $n = 75$, then find the value of $\left(1 - \frac{1}{n}\right) + \left(1 - \frac{2}{n}\right) + \left(1 - \frac{3}{n}\right)$

Ans
- ✓ A. 13
- ✗ B. 23
- ✗ C. 43
- ✗ D. 33

Q.10 **The sum of 8 numbers is 876. Find their average.**

Ans
- ✗ A. 108.5
- ✓ B. 109.5
- ✗ C. 107.5
- ✗ D. 110.5

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Q.11 A car travels 167 km in the first hour and 127 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?

Ans
- ✗ A. 145
- ✓ B. 147
- ✗ C. 146
- ✗ D. 142

Q.12 If (x + y) : (y + z) : (z + x) = 3 : 5 : 4 and (x + y + z) = 8, then the value of z is ____.

Ans
- ✓ A. 4
- ✗ B. 8
- ✗ C. 6
- ✗ D. 5

Q.13 Paul deposited ₹41,375 in a private bank offering 20% compound interest for three years, compounding annually. What is the total interest (in ₹) received by Paul?

Ans
- ✓ A. 30,121
- ✗ B. 29,291
- ✗ C. 30,212
- ✗ D. 30,512

Q.14 A trader marks his goods at 55% above the cost price and allows a discount of 20%. What is his gain percentage?

Ans
- ✓ A. 24%
- ✗ B. 25%
- ✗ C. 34%
- ✗ D. 35%

Q.15 The average of first 137 even numbers is

Ans
- ✓ A. 138
- ✗ B. 138.5
- ✗ C. 137.5
- ✗ D. 139

Q.16 A chemist has two solutions of alcohol and water. Solution A contains 70% alcohol, and solution B contains 30% alcohol. In what ratio should he mix them to get a solution containing 50% alcohol?

Ans
- ✗ A. 1 : 2
- ✗ B. 2 : 1
- ✗ C. 1 : 3
- ✓ D. 1 : 1

Q.17 A metal cylinder of diameter 24 cm and of length 168 cm is melted to form a cuboid metal object of dimensions 9 cm × 11 cm × 1 cm. The number of cuboid metal objects thus obtained are:

(Use $\pi = \frac{22}{7}$)

Ans
- ✗ A. 867
- ✗ B. 678
- ✗ C. 657
- ✓ D. 768

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Q.18 **A bedsheet has a length of 148 inches and breadth of 104 inches. How much lace will be required to complete the border of the bedsheet?**

Ans

✗ A. 548 inches

✓ B. 504 inches

✗ C. 495 inches

✗ D. 480 inches

Q.19 **The smallest number which when diminished by 5, is divisible by 16, 18, 24 and 26 is ____.**

Ans

✗ A. 1879

✓ B. 1877

✗ C. 1887

✗ D. 1872

Q.20 **The tax on petrol is increased by 5%, but its consumption is decreased by 5%. The increase or decrease in the expenditure of money is:**

Ans

✗ A. No change

✗ B. 0.25% increase

✗ C. 5% increase

✓ D. 0.25% decrease

Q.21 **A seven-digit number is divisible by 77. If 91 is added to this number, the resulting number is always divisible by which of the following numbers?**

Ans

✓ A. 7

✗ B. 77

✗ C. 91

✗ D. 13

Q.22 Simplify $(\frac{1}{2} \times \frac{8}{3}) - (\frac{1}{4} \times \frac{12}{9})$.

Ans

✓ A. 1

✗ B. $\frac{5}{3}$

✗ C. $\frac{2}{3}$

✗ D. 3

Q.23 **A bike goes 46 meters in a second. Find its speed in km/hr.**

Ans

✓ A. 165.6

✗ B. 160.1

✗ C. 176.4

✗ D. 173.2

Q.24 **Mayank buys a refurbished laptop for ₹22,500 and spends ₹1,000 on its repairs. If he sells it to his friend Mithun for ₹30,000, his gain percentage (rounded to two decimal places) will be:**

Ans

✗ A. 26.85%

✗ B. 25%

✓ C. 27.66%

✗ D. 27%

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Q.25 A person can complete a journey in 28 hours. He covers the first one-third part of the journey at the rate of 81 km/h and the remaining distance at the rate of 27 km/h. What is the total distance of his journey?

Ans
- ✗ A. 981
- ✗ B. 979
- ✓ C. 972
- ✗ D. 982

Q.26 The present cost of a shopping complex is ₹124645. After a year, its cost increased to ₹141449. The percentage increase (rounded off to the nearest integer) in the cost of the shopping complex is:

Ans
- ✗ A. 12
- ✗ B. 9
- ✓ C. 13
- ✗ D. 18

Q.27 If the length of cuboid is 44 cm, breadth is 5 cm and the volume of cuboid is 1980 cm^3, then find the height of cuboid (in cm).

Ans
- ✗ A. 4
- ✗ B. 14
- ✓ C. 9
- ✗ D. 2

Q.28 A pipe can fill a cistern in 3 hours. Due to a leak at the bottom, it is filled in 5 hours. When the cistern is full, in how much time will it be emptied by the leak?

Ans
- ✓ A. 7.5 hours
- ✗ B. 6 hours
- ✗ C. 8.5 hours
- ✗ D. 10 hours

Q.29 Three partners invested in a business in the ratio 6:2:9. They invested their capitals for 2 months, 10 months and 5 months, respectively. What was the ratio of their profits?

Ans
- ✓ A. 12:20:45
- ✗ B. 11:20:45
- ✗ C. 15:20:45
- ✗ D. 13:20:45

Q.30 P sells an item to Q at 25% profit. Q sells the same item to R at 56% loss. If R paid ₹ 2783 for the item, then at what price (in ₹) is the item purchased by P?

Ans
- ✓ A. 5060
- ✗ B. 5057
- ✗ C. 5059
- ✗ D. 5058

Q.31 What is the difference between the compound interest on ₹10,000 for 1.5 years at 8% per annum, compounded yearly and half-yearly?

Ans
- ✓ A. ₹16.64
- ✗ B. ₹61.64
- ✗ C. ₹10.06
- ✗ D. ₹6.64

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Q.32 **A pipe can fill a tank in 6 hours. Another pipe can empty the filled tank in 12 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:**

Ans

✔ A. 8

✘ B. 24

✘ C. 16

✘ D. 32

Q.33 $3\,x\left(2\,x\left(1^2\right)\right) \div 12 + 60 - 23$

Ans

✘ A. $\frac{455}{12}$

✘ B. $\frac{449}{12}$

✔ C. $\frac{450}{12}$

✘ D. $\frac{440}{12}$

Q.34 **The value of**

$\sqrt{121} + \sqrt{0.0324} - \sqrt{9} =$

Ans

✘ A. 2.99

✘ B. 6.53

✔ C. 8.18

✘ D. 11.08

Q.35 **Successive discounts of 15% and 7% is equivalent to a single discount of:**

Ans

✔ A. 20.95%

✘ B. 11%

✘ C. 23.05%

✘ D. 22%

Section : **General Intelligence and Reasoning**

Q.36 **Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.**
(Left) # $ 7 3 5 4 @ % & 6 8 Ω 9 1 * £ + 2 (Right)
How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by another number?

Ans

✘ A. 5

✔ B. 3

✘ C. 2

✘ D. 4

Q.37 **Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the same order. Only K is kept above J. Only two boxes are kept between J and F. Only E is kept below D. I is not kept immediately above F. How many boxes are kept between H and E?**

Ans

✘ A. Four

✘ B. Three

✔ C. Two

✘ D. One

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Q.38 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
Some wings are fingers.
All spots are keys.
No fingers are spots.

Conclusions:
(I) Some keys are not fingers.
(II) Some wings are not spots.

Ans
- ✔ A. Both conclusions (I) and (II) follow.
- ✘ B. Only conclusion (II) follows.
- ✘ C. Neither conclusion (I) nor (II) follows.
- ✘ D. Only conclusion (I) follows.

Q.39 **P, Q, R, S, T, U and V sit around a circular table facing the centre. Only one person sits between U and S when counted from the right of U. Only one person sits between S and V. Only one person sits between U and P. Only two people sit between Q and V. Only one person sits between T and P. How many people sit between V and S when counted from the right of S?**

Ans
- ✘ A. 3
- ✔ B. 1
- ✘ C. 2
- ✘ D. 4

Q.40 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All grapes are handles.
All grapes are pipes.
Some pipes are jars.

Conclusions:
(I) : Some jars are grapes.
(II) : Some pipes are handles.

Ans
- ✔ A. Only conclusion (II) follows
- ✘ B. Only conclusion (I) follows
- ✘ C. Both conclusions (I) and (II) follow
- ✘ D. Neither conclusion (I) nor (II) follows

Q.41 **GBMK is related to RKXT in a certain way based on the English alphabetical order. In the same way, YLEU is related to JUPD. To which of the given options is FMLV related, following the same logic?**

Ans
- ✘ A. QWVE
- ✔ B. QVWE
- ✘ C. QWEV
- ✘ D. QVEW

Q.42 **In a certain code language, 'shoes are big' is coded as 'tk jb zc' and 'are you going' is coded as 'zc mb tk'. How is 'are' coded in the given language?**

Ans
- ✘ A. jb
- ✘ B. zc
- ✔ C. tk
- ✘ D. mb

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Q.43 What should come in place of the question mark (?) in the given series?

80 83 89 98 110 ?

Ans

✗ A. 121

✓ B. 125

✗ C. 123

✗ D. 127

Q.44 In a certain code language, 'TRUE' is coded as '6713' and 'URGE' is coded as '3746'. What is the code for 'G' in the given code language?

Ans

✗ A. 3

✓ B. 4

✗ C. 7

✗ D. 6

Q.45 In a certain code language,
'A : B' means 'A is the wife of B',
'A × B' means 'A is the brother of B',
'A < B' means 'A is the father of B' and
'A + B' means 'A is the mother of B'.

How is D related to H if 'D + E : F < G × H'?

Ans

✓ A. Mother's mother

✗ B. Mother's son

✗ C. Mother's daughter

✗ D. Mother's brother

Q.46 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ORV 53 XAE 46 GJN 39 PSW 32 ?

Ans

✗ A. YCE 25

✗ B. ZCE 24

✓ C. YBF 25

✗ D. ZBF 24

Q.47 In a certain code language, 'all men are God' is written as 'in it pi ri' and 'God lives everywhere' is coded as 'ti it fi'. How is 'God' coded in the given language?

Ans

✗ A. fi

✓ B. it

✗ C. ti

✗ D. in

Q.48 Six students P, Q, R, S, T, and U are sitting around a circular table facing the centre. T sits to the immediate right of Q and immediate left of U. Only one person sits between U and R. P sits to the immediate left of Q. Who sits to the immediate right of S?

Ans

✗ A. Q

✗ B. T

✓ C. R

✗ D. U

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Q.49 If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?
108 ÷ 108 × 36 − 15 + 69 = ?

Ans
- ✗ A. 81
- ✓ B. 84
- ✗ C. 83
- ✗ D. 82

Q.50 All 41 people are standing in a row facing north. Namita is 13th from the left end, while Shivangi is 19th from the right end. How many people are there between Namita and Shivangi?

Ans
- ✓ A. 9
- ✗ B. 10
- ✗ C. 8
- ✗ D. 7

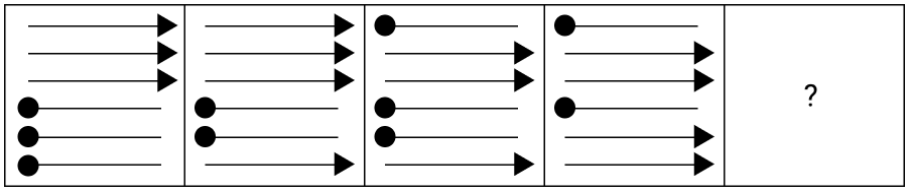
Q.51 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TVN QSK NPH KME ?

Ans
- ✗ A. HIC
- ✓ B. HJB
- ✗ C. HJC
- ✗ D. HIB

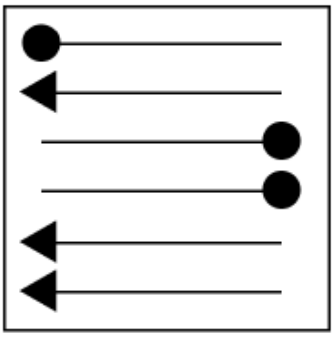
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Q.52

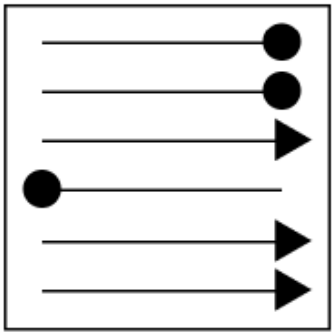


Ans

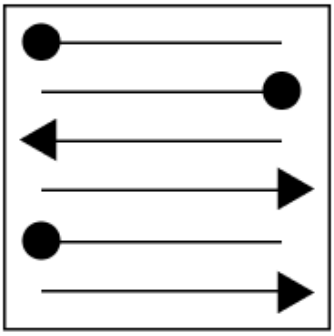
✗ A.



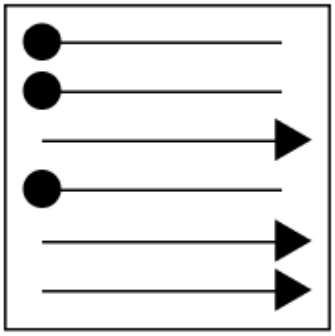
✗ B.



✗ C.



✓ D.



Q.53 **What should come in place of the question mark (?) in the given series?**

934 930 925 919 912 ?

Ans

✓ A. 904

✗ B. 905

✗ C. 906

✗ D. 903

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Q.54 Six persons P, Q, R, S, T, and U are sitting around a circular table facing towards the centre of the table. T is the immediate neighbour of both U and S. P sits second to the right of R. S sits to the immediate left of R.
Who is sitting second to the right of P?

Ans
- ✗ A. U
- ✓ B. T
- ✗ C. R
- ✗ D. S

Q.55 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. DGJ
- ✗ B. PSV
- ✗ C. SVY
- ✓ D. ACE

Q.56 If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?
63 × 7 + 9 ÷ 55 − 12 = ?

Ans
- ✗ A. 680
- ✓ B. 660
- ✗ C. 670
- ✗ D. 650

Q.57 In a certain code language,
A + B means 'A is the sister of B',
A – B means 'A is the brother of B',
A × B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

How is P related to T if 'P – Q ÷ R + S × T'?

Ans
- ✗ A. Wife's mother's father
- ✗ B. Wife's father's father
- ✗ C. Wife's mother's brother
- ✓ D. Wife's father's brother

Q.58 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

9 - 11
3 - 5

Ans
- ✗ A. 98 - 101
- ✗ B. 72 - 74
- ✓ C. 53 - 55
- ✗ D. 123 - 126

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Q.59 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All almonds are lemons.
All rabbits are lemons.
All mints are lemons.
Conclusions:
(I): Some mints are almonds.
(II): Some rabbits are mints.

Ans
- ✗ A. Only conclusion (II) follows.
- ✗ B. Both conclusions (I) and (II) follow.
- ✗ C. Only conclusion (I) follows.
- ✓ D. Neither conclusion (I) nor (II) follows.

Q.60 **Three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that does NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans
- ✗ A. MY - WH
- ✓ B. NS - XE
- ✗ C. RD - BM
- ✗ D. BN - LW

Q.61 **What should come in place of the question mark (?) in the given series?**

27 29 35 45 59 ?

Ans
- ✓ A. 77
- ✗ B. 84
- ✗ C. 80
- ✗ D. 90

Q.62 **If '+' and '−' are interchanged and '×' and '÷' are interchanged, then what will come in place of the question mark (?) in the following equation?**

25 ÷ 3 + 10 × 5 − 6 = ?

Ans
- ✓ A. 79
- ✗ B. 50
- ✗ C. 75
- ✗ D. 80

Q.63 **Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.**

JL - MO - PR
EG - HJ - KM

Ans
- ✗ A. TU - XY - AB
- ✗ B. EG - HI - LO
- ✓ C. SU - VX - YA
- ✗ D. DE - FH - LM

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Q.64 **This question is based on the five, three-digit numbers given below.**

(Left) 421 137 675 862 517 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

Ans

✗ A. 2

✗ B. 3

✓ C. 0

✗ D. 1

Q.65 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**

LTO NQL PNI RKF ?

Ans

✗ A. TIC

✗ B. THB

✗ C. TIB

✓ D. THC

Q.66 **Mayank starts from Point A and drives 7 km towards South. He then takes a right turn, drives 4 km, turns right and drives 11 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans

✗ A. 4 km to the east

✓ B. 4 km to the west

✗ C. 3 km to the east

✗ D. 3 km to the west

Q.67 **Ashok starts from Point M and drives 9 km towards the east. Then he takes a right turn and drives 11 km and then again he takes a right turn and drives 3 km. Again he turns right and drives 7 km. At last, he turns left and drives 6 km and stops at point N. How far (shortest distance) and towards which direction should he drive in order to reach Point M again?**

Ans

✓ A. 4 km towards the north

✗ B. 4 km towards the south

✗ C. 5 km towards the north

✗ D. 7 km towards the north

Q.68 **Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.**

LT-OW-QS
NV-QY-SU

Ans

✗ A. JR-MU-OR

✗ B. IR-MV-OR

✗ C. IR-MU-OR

✓ D. JR-MU-OQ

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Q.69 **Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).**

(Left) 7 3 5 1 6 2 8 9 2 5 6 6 1 8 3 5 8 4 6 5 7 6 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

✗ A. One

✗ B. None

✗ C. Three

✓ D. Two

Q.70



Ans

✓ A.



✗ B.



✗ C.



✗ D.



Section : **General Awareness**

Q.71 **Which state has the highest sex ratio in India, according to the 2011 census?**

Ans

✗ A. Rajasthan

✗ B. Haryana

✓ C. Kerala

✗ D. Tamil Nadu

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Q.72 **Who is known as the 'Father of the Green Revolution' in India?**

Ans

✗ A. Norman Borlaug

✓ B. MS Swaminathan

✗ C. Jawaharlal Nehru

✗ D. Verghese Kurien

Q.73 **Which of the following buildings/architecture was used primarily for residential purpose for Buddhist Priests?**

Ans

✗ A. Stupas

✗ B. Chaityas

✓ C. Viharas

✗ D. Stambhas

Q.74 **What was HDFC Bank's net interest income (NII) in Q2 FY25?**

Ans

✗ A. ₹29,837 crore

✗ B. ₹3,310 crore

✗ C. ₹2,700 crore

✓ D. ₹30,110 crore

Q.75 **The first model of the structure of an atom was:**

Ans

✗ A. Bohr model of atom

✗ B. Rutherford's planetary model of atom

✗ C. Schrödinger wave model of atom

✓ D. Plum pudding model of atom by JJ Thomson

Q.76 **The Harappan Civilisation had trade links with which of the following regions?**

Ans

✗ A. Rome

✓ B. Mesopotamia

✗ C. Greece

✗ D. Mongolia

Q.77 **In September 2024, National Health Authority signed MoU with which institute for the development of digital public goods for AI in healthcare?**

Ans

✓ A. IIT Kanpur

✗ B. IIT Delhi

✗ C. IIT Bombay

✗ D. IIT Madras

Q.78 **In 1968, late Indian composer Pandit Ravi Shankar became the very first Indian to win the Grammy Award for which of the following music albums in the 'Best Chamber Music Performance' category?**

Ans

✗ A. The Concert for Bangladesh

✓ B. West Meets East

✗ C. Full Circle: Carnegie Hall 2000

✗ D. The Living Room Sessions

Q.79 **Which of the following river regions in India has an ideal location to setup Jute Industry?**

Ans

✗ A. Chambal

✗ B. Beas

✓ C. Hooghly

✗ D. Narmada

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Q.80 **Which of the following Acts had provided the establishment of a public service commission for recruiting civil servants in British India?**

Ans

✗ A. Government of India Act, 1935

✓ B. Government of India Act, 1919

✗ C. Government of India Act, 1929

✗ D. Government of India Act, 1909

Q.81 **The Rigveda comprises a compilation of 1028 hymns that are categorised into how many Mandalas?**

Ans

✗ A. 8

✗ B. 12

✓ C. 10

✗ D. 15

Q.82 **The first scientific experiments on genetics and inheritance were conducted in the mid-nineteenth century. Who performed these hybridisation experiments on garden peas?**

Ans

✓ A. Gregor Mendel

✗ B. Rosalind Franklin

✗ C. James Watson and Francis Crick

✗ D. Dmitri Mendeleev

Q.83 **The 11th edition of Indian Coast Guard's National Maritime Search and Rescue Exercise & Workshop (SAREX-24) will be conducted in ____.**

Ans

✗ A. Visakhapatnam

✗ B. Chennai

✗ C. Mumbai

✓ D. Kochi

Q.84 **What reduction in import duty on gold was proposed to curb smuggling and stimulate the organised jewellery sector by Budget 2024?**

Ans

✗ A. From 12% to 6%

✗ B. From 15% to 10%

✓ C. From 15% to 6%

✗ D. From 10% to 5%

Q.85 **Which of the following rivers is an antecedent river that originates north of Mount Everest in Tibet, where its main stream, the Arun, rises?**

Ans

✗ A. Son

✓ B. Kosi

✗ C. Gomati

✗ D. Gandak

Q.86 **Which of the following is highly rich in ascorbic acid?**

Ans

✓ A. Oranges

✗ B. Milk

✗ C. Vinegar

✗ D. Spinach

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Q.87 **Which of the following Amendment Acts had the provision of establishing a common High Court for two or more states?**

Ans

✗ A. 1. 3rd Amendment Act

✗ B. 2. 5th Amendment Act

✓ C. 3. 7th Amendment Act

✗ D. 4. 2nd Amendment Act

Q.88 **Under which Act is the National Company Law Appellate Tribunal (NCLAT) constituted?**

Ans

✗ A. The Competition Act, 2002

✓ B. The Companies Act, 2013

✗ C. The Monopolies and Restrictive Trade Practices Act, 1969

✗ D. The Indian Companies Act, 1956

Q.89 **If velocity and magnetic field vectors are perpendicular to each other, then the path of motion of particles is:**

Ans

✗ A. Helical

✗ B. Vortex

✓ C. Circular

✗ D. Straight

Q.90 **Which of the following options best describes India's economic strategy between 1947 and 1991?**

Ans

✗ A. Free-market Economy

✗ B. Liberalisation and Globalisation

✗ C. Export Promotion

✓ D. Import Substitution Industrialisation

Q.91 **In which of the following Indian states is the primitive form of cultivation (slash and burn agriculture) called 'Bewar' or 'Dahiya'?**

Ans

✗ A. Karnataka

✗ B. Uttar Pradesh

✗ C. Kerala

✓ D. Madhya Pradesh

Q.92 **Who is the son of Tamil Nadu Chief Minister MK Stalin, appointed as the state's Deputy Chief Minister in September 2024?**

Ans

✗ A. Ramanidhi Stalin

✗ B. Dayanidhi Stalin

✓ C. Udhayanidhi Stalin

✗ D. Vijayanidhi Stalin

Q.93 **What is the government's goal for Fintech companies, as stated by M Nagaraju, Secretary - Department of Financial Services (DFS), at the CII Financial Inclusion and Fintech Summit, on 26 November 2024?**

Ans

✗ A. To prioritise fintech innovation over regulations

✗ B. To increase regulatory burdens on fintech

✗ C. To restrict fintech company growth

✓ D. To balance fintech innovation with regulatory compliance

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Q.94 **Where was the 6th India-Singapore Defence Ministerial Dialogue held in October 2024?**

Ans

✔ A. New Delhi

✘ B. Mumbai

✘ C. Singapore

✘ D. Chandigarh

Q.95 **What role does gender equality play in human development?**

Ans

✘ A. Reduces government expenditure

✘ B. Reduces population growth rates

✔ C. Ensures equal access to resources improving overall societal progress

✘ D. Leads to higher industrial output

Q.96 **Where was the G20 Summit or the Group of 20 Leaders' Summit held from 18–19 November 2024?**

Ans

✘ A. Paris

✘ B. Melbourne

✘ C. New Delhi

✔ D. Rio de Janeiro

Q.97 **What form of support is provided to farmers through the PM-KISAN scheme, as per the Economic Survey 2024?**

Ans

✘ A. Free seeds

✘ B. Fertiliser subsidies

✔ C. Crop insurance

✘ D. Monthly cash support

Q.98 **Due to which of the following one-time provisions did SBI witness a drop in its net profit in Q3 FY24?**

Ans

✔ A. Pension liabilities

✘ B. Loan loss provisions

✘ C. CASA ratio decrease

✘ D. Interest rate changes

Q.99 **Which of the following Constitutional Amendment Acts provides free legal aid as a Directive Principle of State Policy?**

Ans

✘ A. 1. 44th Constitutional Amendment Act

✘ B. 2. 86th Constitutional Amendment Act

✔ C. 3. 42nd Constitutional Amendment Act

✘ D. 4. 46th Constitutional Amendment Act

Q.100 **In which state is the wettest place on the earth 'Mawsynram' located?**

Ans

✘ A. Mizoram

✘ B. Kerala

✘ C. Manipur

✔ D. Meghalaya

Q.101 **In the simple shikhara type of architecture, there is a ____ base and curved walls.**

Ans

✘ A. circular

✘ B. rectangular

✘ C. octangonal

✔ D. square

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Q.102 Chilika Lake, the largest brackish water lagoon in India, is located in which state?

Ans

✔ A. Odisha

✘ B. Kerala

✘ C. Tamil Nadu

✘ D. Andhra Pradesh

Q.103 The northernmost point of India lies in which region?

Ans

✘ A. Himachal Pradesh

✔ B. Ladakh

✘ C. Jammu

✘ D. Uttarakhand

Q.104 Who among the following was presented with the Olympic Order on 28 August 2024 by International Olympic Committee (IOC)?

Ans

✔ A. The President of France, Emmanuel Macron

✘ B. The President of Germany, Frank-Walter Steinmeier

✘ C. The President of Spain, Pedro Sánchez

✘ D. The President of Austria, Dr. Alexander Van der Bellen

Q.105 In which period was the Civil Disobedience Movement carried out by the Congress under the leadership of Mahatma Gandhi?

Ans

✘ A. 1925-29

✘ B. 1932-36

✔ C. 1930-34

✘ D. 1929-33

Q.106 What is a key difference between economic growth and economic development?

Ans

✘ A. Economic growth is broader and includes development.

✔ B. Economic growth refers to output increase, while development includes social progress.

✘ C. Economic development focuses on quantity, while growth focuses on quality.

✘ D. Economic development measures exports only.

Q.107 Which of the following was NOT a goal of the Extremists concerning the freedom struggle of India?

Ans

✘ A. Economic self-reliance

✔ B. Direct negotiations with the British

✘ C. Promotion of Indian culture

✘ D. Political independence

Q.108 As of March 2024, what were the Gross Non-Performing Assets (GNPA) and Net Non-Performing Assets (NNPA) ratios for Indian banks?

Ans

✘ A. 4.5% and 1.8%

✔ B. 2.8% and 0.6%

✘ C. 3.1% and 1.2%

✘ D. 5.0% and 2.5%

Q.109 Current flows upward through a vertical wire. The direction of the magnetic field at a point south of the wire will be:

Ans

✘ A. towards north

✘ B. towards west

✘ C. downward

✔ D. towards east

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Q.110 What was the primary focus of the economic policies adopted by the colonial government in India?

Ans

✗ A. Development of agriculture and local industries

✗ B. Estimating national and per capita income accurately

✓ C. Security and promotion of the economic interests of Britain

✗ D. Encouragement of indigenous entrepreneurship

Q.111 The National Extension scheme was initially launched for a period of _____ years.

Ans

✓ A. three

✗ B. four

✗ C. two

✗ D. five

Q.112 Released in 2024, 'The Scientist Entrepreneur: Empowering Millions of Women' is the autobiography of which Indian activist?

Ans

✗ A. Sunitha Krishnan

✗ B. Swati Maliwal

✗ C. Manasi Pradhan

✓ D. Kalpana Sankar

Q.113 Who was the first ruler who tried to take his message to the people through inscriptions?

Ans

✗ A. Chandragupta Maurya

✓ B. Ashoka

✗ C. Dasharatha Maurya

✗ D. Samprati

Q.114 The Directive Principles of State Policy aim to provide what type of guidelines for the State?

Ans

✗ A. Political

✗ B. Legal

✗ C. Religious

✓ D. Social and Economic

Q.115 Who among the following was the British resistance at Gwalior during the Revolt of 1857?

Ans

✗ A. John Nicholson

✗ B. William Taylor

✗ C. Henry Lawrence

✓ D. Hugh Rose

Q.116 The Revolt of 1857 symbolically ended with the fall of which major city?

Ans

✗ A. Bombay

✓ B. Delhi

✗ C. Madras

✗ D. Calcutta

Q.117 Which Supreme Court case introduced the 'basic structure' doctrine in Indian Constitutional law?

Ans

✗ A. Minerva Mills case 1980

✗ B. The Shankari Prasad case 1951

✓ C. Kesavananda Bharati case 1973

✗ D. The Golaknath case 1967

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Q.118 **Which Constitutional Amendment inserted the words "or the Supreme Court" in Article 217(3), thereby giving the President the power to consult the Chief Justice of India when determining the age of a High Court judge?**

Ans

✗ A. 1. 44th Amendment

✗ B. 2. 24th Amendment

✗ C. 3. 7th Amendment

✓ D. 4. 15th Amendment

Q.119 **The Constitution (Scheduled Tribes) Order (Amendment) Bill, 2024, aimed to make changes in the Scheduled Tribes of which state?**

Ans

✗ A. Telangana

✓ B. Andhra Pradesh

✗ C. Odisha

✗ D. Himachal Pradesh

Q.120 **Who among the following was one of the personalities related to Meerut during the 1857 Revolt?**

Ans

✗ A. Kunwar Singh

✓ B. Kadam Singh

✗ C. Man Singh

✗ D. Nana Saheb

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	18/03/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **What is the compound interest (in ₹) on ₹1,900 at 5% per annum for 2 years, compounded annually?**

Ans
- ✗ A. 188.90
- ✗ B. 207.80
- ✗ C. 198.50
- ✓ D. 194.75

Q.2 **The volume (in cm^3) of a wire of diameter 10 cm and length 56 m is:**

$take\ \pi = \frac{22}{7}$

Ans
- ✓ A. 440000
- ✗ B. 441000
- ✗ C. 440400
- ✗ D. 440700

Q.3 **2% of 4% of a number is what percentage of that number?**

Ans
- ✗ A. 8
- ✗ B. 6
- ✓ C. 0.08
- ✗ D. 0.008

Q.4 **Find the value of** $\left(\frac{1}{5}\right)^{-2} + \left(\frac{1}{3}\right)^{-2} + \left(\frac{1}{6}\right)^{-2}$.

Ans
- ✗ A. 68
- ✗ B. 74
- ✗ C. 62
- ✓ D. 70

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Q.5 The value of

$$9^3 - 9^2 + \left(\frac{40}{2}\right)^2 - 5 + 8 \times 5 = \_\_\_\_\_$$

Ans

✗ A. 1086

✗ B. 1091

✗ C. 1088

✓ D. 1083

Q.6 A man riding on a bicycle at a speed of 50 km/h crosses a bridge in 39 minutes. Find the length of the bridge?

Ans

✗ A. 30.3 km

✗ B. 35.9 km

✓ C. 32.5 km

✗ D. 30.4 km

Q.7 A 555 m long train crosses a man walking at a speed of 3.4 km/h in the opposite direction in 9 seconds. What is the speed (in km/h) of the train?

Ans

✗ A. 222.1

✓ B. 218.6

✗ C. 213.6

✗ D. 216.4

Q.8 A person sells two laptops at ₹24,000 each. He gets 20% profit on the first laptop and incurs 20% loss on the other. What is the net percentage profit or loss?

Ans

✗ A. 4% Profit

✓ B. 4% Loss

✗ C. 2% Loss

✗ D. 2% Profit

Q.9 A sum, when invested at 10% simple interest per annum, amounts to ₹3120 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?

Ans

✗ A. 260

✗ B. 2080

✗ C. 1040

✓ D. 520

Q.10 If the 7-digit number 689K348 is divisible by 9, then the value of K is:

Ans

✗ A. 8

✓ B. 7

✗ C. 6

✗ D. 5

Q.11 In what ratio should sugar costing ₹36 per kg be mixed with sugar costing ₹13 per kg so that by selling the mixture at ₹15.4 per kg, there is a profit of 10%?

Ans

✓ A. 1 : 22

✗ B. 2 : 20

✗ C. 2 : 21

✗ D. 2 : 24

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Q.12 **Veer can do a piece of work in 6 hours. Manoj can do it in 24 hours. With the assistance of Anand, they completed the work in 3 hours. In how many hours can Anand alone do it?**

Ans

✔ A. 8

✘ B. 10

✘ C. 9

✘ D. 7

Q.13 **The average of the marks of 15 students in a class is 40. If the marks of each student are doubled, find the new average?**

Ans

✔ A. 80

✘ B. 15

✘ C. 30

✘ D. 40

Q.14 **In what ratio should sugar costing ₹71 per kg be mixed with sugar costing ₹29 per kg so that by selling the mixture at ₹32.4 per kg, there is a profit of 8%?**

Ans

✘ A. 2 : 40

✔ B. 1 : 41

✘ C. 3 : 40

✘ D. 3 : 43

Q.15 **Two pipes A and B can fill a tank in 24 minutes and 32 minutes, respectively. Both the pipes are opened together, but after 8 minutes pipe A is turned off. What is the total time required to fill the tank?**

Ans

✔ A. 29 min 20 sec

✘ B. 10 min 40 sec

✘ C. 24 min 36 sec

✘ D. 20 min 29 sec

Q.16 **A lunch box has a length of 20 cm, a width of 12 cm and a height of 8 cm. Find the volume of the lunch box.**

Ans

✘ A. 1. 182 cm^3

✘ B. 2. 1820 cm^3

✔ C. 3. 1920 cm^3

✘ D. 4. 192 cm^3

Q.17 **9 men can complete a piece of work in 20 days while 4 women can do it in 15 days. In how many days can 5 women and 3 men complete it?**

Ans

✘ A. 9 days

✘ B. 6 days

✔ C. 10 days

✘ D. 5 days

Q.18 **If 8 , 38 , 60 , and y are in proportion, then the value of y is:**

Ans

✘ A. 284

✔ B. 285

✘ C. 289

✘ D. 290

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Q.19 **Arrange the given quotients in ascending order.**

1) 876.48÷83
2) 171.74÷62
3) 369.24÷17

Ans
- ✗ A. 1,2,3
- ✓ B. 2,1,3
- ✗ C. 3,1,2
- ✗ D. 3,2,1

Q.20 **Evaluate: 41 - [36 - {48 ÷ 2 - (6 - 9 ÷ 3) ÷ 3}]**

Ans
- ✗ A. 27
- ✓ B. 28
- ✗ C. 30
- ✗ D. 29

Q.21 **The HCF of 36, 45 and 54 is ____.**

Ans
- ✗ A. 18
- ✗ B. 12
- ✗ C. 24
- ✓ D. 9

Q.22 **If the hypotenuse and base of a right-angled triangle are 65 cm and 60 cm, respectively, find the perimeter of the triangle.**

Ans
- ✓ A. 150 cm
- ✗ B. 100 cm
- ✗ C. 195 cm
- ✗ D. 175 cm

Q.23 The cost prices of 5 kg of millet and 10 kg of wheat were ₹50 and ₹60 per kg, respectively. On selling, the seller profits 10% on millet and 20% on wheat. What was the total sale price?

Ans
- ✓ A. ₹995
- ✗ B. ₹795
- ✗ C. ₹895
- ✗ D. ₹695

Q.24 **Diya has to reach Surat which is 804 km away in 24 hours. His starting speed for 9 hours was 58 km/hr. For the next 162 km his speed was 54km/hr. By what speed he must travel now so as to reach Surat in decided time of 24hours?**

Ans
- ✓ A. 10 km/hr
- ✗ B. 12 km/hr
- ✗ C. 16 km/hr
- ✗ D. 4 km/hr

Q.25 **A car travels 207 km in the first hour and 51 km in the second hour. What is the average speed (in km/h) of the car for the whole journey?**

Ans
- ✗ A. 122
- ✗ B. 120
- ✗ C. 124
- ✓ D. 129

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Q.26 If a vendor offers a discount of 20% on the marked price of his goods and thus ends up selling at 120% of the cost price, what was the percentage markup?

Ans
- ✗ A. 40%
- ✗ B. 45%
- ✓ C. 50%
- ✗ D. 55%

Q.27 An amount of ₹301 is divided among three persons in the ratio of 6 : 17 : 5. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans
- ✗ A. 150
- ✓ B. 129
- ✗ C. 153
- ✗ D. 130

Q.28 The average of first 112 even numbers is

Ans
- ✗ A. 114
- ✗ B. 113.5
- ✓ C. 113
- ✗ D. 112.5

Q.29 The population of insects in a colony 2 years ago was 12,000. If the growth rate of the population is 5%, what is the present population of insects in the colony?

Ans
- ✗ A. 13,215
- ✗ B. 13,210
- ✗ C. 13,225
- ✓ D. 13,230

Q.30 Under an offer at a saree shop, customers receive 3 sarees free with the purchase of 5 sarees. Find the discount available to the customers.

Ans
- ✗ A. 36.5%
- ✗ B. 34.5%
- ✓ C. 37.5%
- ✗ D. 35.5%

Q.31 Find the greatest 5-digit number that is exactly divisible by 15, 18, 21.

Ans
- ✗ A. 99660
- ✗ B. 98910
- ✗ C. 99999
- ✓ D. 99540

Q.32 20% of a number is more than 20% of 530 by 170. The number is:

Ans
- ✓ A. 1380
- ✗ B. 1480
- ✗ C. 1430
- ✗ D. 1230

Q.33 The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 125. Find the average of the remaining two numbers?

Ans
- ✓ A. 188
- ✗ B. 202
- ✗ C. 189
- ✗ D. 203

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Q.34 **Find the value of $\sqrt{a^2-2\sqrt{3}a+3}$ where $a=\sqrt{3}$**

Ans

✗ A. $(a-\sqrt{3})^2$

✗ B. $a-\sqrt{3}$

✗ C. $a+\sqrt{3}$

✓ D. 0

Q.35 **The population of Pune in 2023 and 2024 was 71,66,000 and 73,45,850, respectively. What was the percentage increase in the population from 2023 to 2024? (Rounded off to one decimal place)**

Ans

✗ A. 1.8%

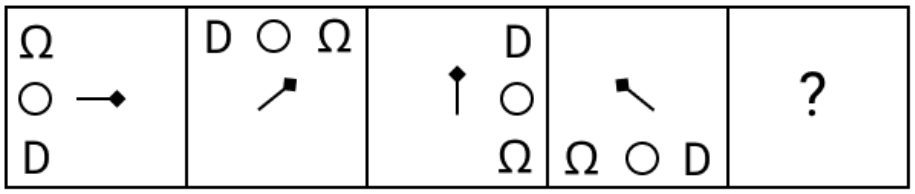
✓ B. 2.5%

✗ C. 4%

✗ D. 9.8%

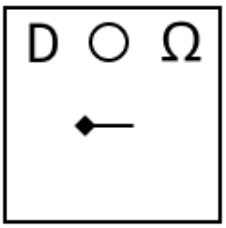
Section : **General Intelligence and Reasoning**

Q.36

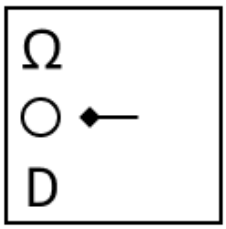


Ans

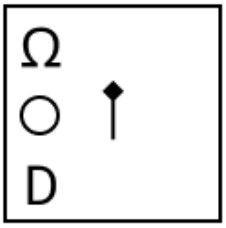
✗ A.



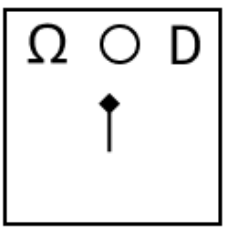
✓ B.



✗ C.



✗ D.



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Q.37 **Each of B, R, O, K, E, N and S has a holiday on a different day of a week, starting from Monday and ending on Sunday of the same week. Only two people have holiday between R and B. Only two people have holiday before R. Only three people have holiday between R and S. Only one person has holiday between K and E. O has holiday immediately before K. How many people have holiday after N?**

Ans

✗ A. One

✗ B. Three

✗ C. Zero

✓ D. Two

Q.38 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some spoon is plate.
Some plate is bowl.
No bowl is glass.
Conclusions:
I) Some spoon is glass.
II) Some plate is glass.
III) Some plate is not glass

Ans

✗ A. Either II or III

✗ B. Only II

✓ C. Only III

✗ D. Both I and III

Q.39 **In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.**

APEX - EAPX - XEPA
GREW - EGRW - WERG

Ans

✗ A. KING - IKNG - GINK

✗ B. SAKE - SKAE - EKAS

✓ C. FIRN - RFIN - NRIF

✗ D. MEAN - AMEN - EANM

Q.40 **Seven boxes D, E, F, H, I, J and K are kept one over the other but not necessarily in the same order. Only two boxes are kept below E. Only one box is kept above I. Only one box is kept between I and D. J is kept immediately above F. H is kept at some place below K. How many boxes are kept between K and J?**

Ans

✓ A. Four

✗ B. Two

✗ C. Three

✗ D. One

Q.41 **Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.**

EG – IK – MO
BD – FH – JL

Ans

✗ A. HI – MP – SU

✗ B. GI – JL – MN

✗ C. NP – QR – SU

✓ D. AC – EG – IK

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Q.42 In a certain code language,
A + B means 'A is the mother of B',
A − B means 'A is the brother of B',
A × B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

How is E related to R if 'E + N × P ÷ Q − R'?

Ans
- ✗ A. Wife's mother
- ✗ B. Father's mother
- ✓ C. Mother's mother
- ✗ D. Mother

Q.43 What will come in place of the question mark (?) in the following equation if '×' and '+' are interchanged and '÷' and '−' are interchanged?

66 − 11 × 10 + 2 ÷ 14 = ?

Ans
- ✗ A. 24
- ✗ B. 10
- ✓ C. 12
- ✗ D. 16

Q.44 In a certain code language, 'he drove home' is coded as 'mt bk lo' and 'did he go' is coded as 'mf jo mt'. How is 'he' coded in the given language?

Ans
- ✓ A. mt
- ✗ B. bk
- ✗ C. jo
- ✗ D. mf

Q.45 What should come in place of the question mark (?) in the given series?

18 31 57 109 213 ?

Ans
- ✗ A. 420
- ✗ B. 422
- ✓ C. 421
- ✗ D. 423

Q.46 Seven friends, Q, R, S, T, W, X and Y, are sitting around a circular table facing the centre of the table. Only two people sit between Q and W when counted from the left of Q. R sits fourth to the left of Q. S sits fourth to the right of W. X is not an immediate neighbour of S or Q. T is not an immediate neighbour of X. How many people sit between R and T when counted from the right of T?

Ans
- ✗ A. Four
- ✗ B. Three
- ✓ C. Zero
- ✗ D. Two

Q.47 Which of the following letter-number-clusters will replace the question mark (?) in the given series to make it logically complete?

HM28 IN36 JO44 KP52 ?

Ans
- ✗ A. LQ61
- ✗ B. LR61
- ✓ C. LQ60
- ✗ D. LR60

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Q.48 **What should come in place of the question mark (?) in the given series?**

56, 65, 83, 110, ?, 191

Ans

✔ A. 146

✘ B. 136

✘ C. 156

✘ D. 165

Q.49 **A, B, C, D, and E are sitting around a circular table facing the centre. D is the immediate left neighbour of A. C sits third right to A. B is not an immediate neighbour of C. How many people sit between A and E when counted from the right of A?**

Ans

✘ A. Zero

✘ B. Two

✔ C. One

✘ D. Three

Q.50 **Harry starts from Point A and drives 8 km towards south. He then takes a left turn, drives 5 km, turns left and drives 11 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans

✘ A. 6 km to the east

✘ B. 7 km to the east

✘ C. 5 km to the east

✔ D. 8 km to the east

Q.51 **What should come in place of the question mark (?) in the given series?**

768 384 192 96 48 ?

Ans

✘ A. 36

✘ B. 6

✔ C. 24

✘ D. 12

Q.52 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
13 - 5 - 8
34 - 8 - 26

Ans

✘ A. 78 - 8 - 72

✘ B. 45 - 8 - 34

✔ C. 25 - 5 - 20

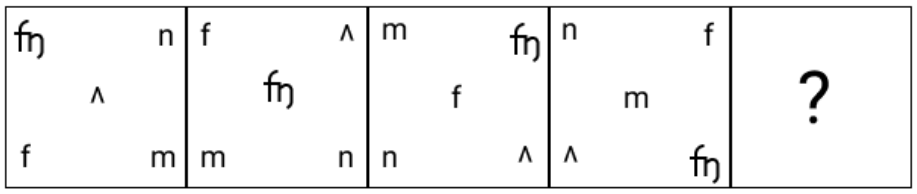
✘ D. 16 - 4 - 8

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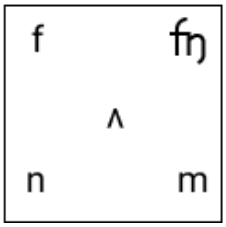
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Q.53

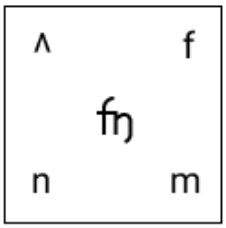


Ans

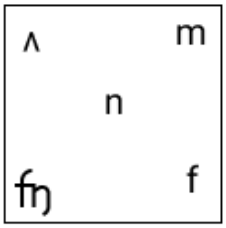
✗ A.



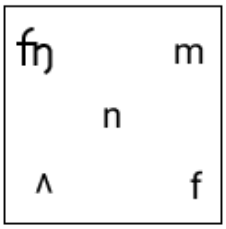
✗ B.



✓ C.



✗ D.



Q.54 **What will be the value of the following expression if the '+' and the '÷' signs are interchanged?**
24 + 8 ÷ 4 × 5 − 7 ÷ 2 × 2 + 1

Ans

✗ A. 29

✗ B. 12

✗ C. 34

✓ D. 20

Q.55 **In a certain code language, 'LEAD' is coded as '1398', 'TOLD' is coded as '7843' and 'SOAP' is coded as '4925'. What is the code for 'T' in the given code language?**

Ans

✓ A. 7

✗ B. 3

✗ C. 8

✗ D. 4

Q.56 **Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north.**
No one sits to the right of C. Only three people sit between C and F. Only two people sit between F and E. G sits third to the left of A. B sits to the immediate right of A.
How many people sit between D and B?

Ans

✓ A. 2

✗ B. 4

✗ C. 3

✗ D. 1

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Q.57 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

KA 33, IJ 38, GS 48, EB 63, ?

Ans

✗ A. CK 85

✗ B. CP 85

✓ C. CK 83

✗ D. CP 83

Q.58 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All bands are threads.
All bands are ropes.
Some ropes are wires.
Conclusions:
(I): Some wires are bands.
(II): Some ropes are threads.

Ans

✗ A. Both conclusions (I) and (II) follow.

✗ B. Only conclusion (II) follows.

✗ C. Neither conclusion (I) nor (II) follows.

✓ D. Only conclusion (I) follows.

Q.59 **If '+' means '×', '−' means '÷', '×' means '−' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?**
8 + 2 × 4 − 4 ÷ 16 = ?

Ans

✗ A. 26

✓ B. 31

✗ C. 18

✗ D. 20

Q.60 **This question is based on the five, three-digit numbers given below.**

(Left) 587 465 872 647 249 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in the ascending order, the position of how many numbers will remain unchanged?

Ans

✗ A. None

✓ B. Two

✗ C. Three

✗ D. One

Q.61 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**

Ans

✗ A. OQ - TL

✗ B. RT - WO

✓ C. UW - ZS

✗ D. LN - QI

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Q.62 In a certain code language,
A % B means 'A is the father of B'
A # B means 'A is the brother of B'
A ÷ B means 'A is the wife of B'
A @ B means 'A is the daughter of B'

Based on the above, how is E related to X if 'E @ F % I # J ÷ X'?

Ans
- ✗ A. Wife's father
- ✓ B. Wife's sister
- ✗ C. Wife's brother
- ✗ D. Wife's mother

Q.63 Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 8 4 2 5 9 4 3 5 1 4 6 7 2 1 7 6 7 9 5 4 1 3 6 2 9 7 6 7 9 5 (Right)

How many such even digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

Ans
- ✗ A. Two
- ✓ B. One
- ✗ C. Three
- ✗ D. Four

Q.64 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
All candies are chocolate.
Some candies are lollipop.
No lollipop is cookie.
Conclusions:
I) Some candies are not cookies.
II) Some chocolates are not cookies.
III) Some chocolates are not lollipop.

Ans
- ✓ A. Only I and II
- ✗ B. Only III
- ✗ C. Only I, II and III
- ✗ D. Only II and III

Q.65 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ A. QMR
- ✗ B. GCH
- ✗ C. IEJ
- ✓ D. MIO

Q.66 In a certain code language, 'India has many seasons' is coded as 'so to po vo' and 'I like spring and summer seasons' is coded as 'vo ko ro no lo no'. How is 'seasons' coded in the given language?

Ans
- ✗ A. so
- ✓ B. vo
- ✗ C. no
- ✗ D. lo

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Q.67 **Mr. Tqr starts from Point A and drives 31 km towards South. He then takes a left turn, drives 7 km, turns left and drives 39 km. He then takes a left turn and drives 17 km, turns left and drives 5 km. He then takes a right turn and drives 2 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans
- ✔ A. 12 km to the East
- ✘ B. 10 km to the South
- ✘ C. 10 km to the North
- ✘ D. 12 km to the West

Q.68 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**
WQA : XRB
TRO : USP

Ans
- ✘ A. PAS : QBR
- ✘ B. MED : NFC
- ✘ C. VDF : UEG
- ✔ D. PER : QFS

Q.69 **Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only and counting to be done from left to right only).**

(Left) 6 6 8 8 1 7 8 3 8 9 5 3 8 6 8 2 2 7 2 4 8 7 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

Ans
- ✘ A. None
- ✔ B. Two
- ✘ C. Three
- ✘ D. One

Q.70 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

RIP 14, UFS 19, XCV 24, AZY 29, ?

Ans
- ✘ A. DVB 36
- ✔ B. DWB 34
- ✘ C. EWC 34
- ✘ D. EVC 36

Section : **General Awareness**

Q.71 **What is the outermost range of the Himalayas called?**

Ans
- ✘ A. Himachal
- ✘ B. Karakoram
- ✔ C. Shiwaliks
- ✘ D. Himadri

Q.72 **Which river is the Sardar Sarovar Dam built on?**

Ans
- ✘ A. Krishna
- ✘ B. Tapi
- ✘ C. Mahanadi
- ✔ D. Narmada

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Q.73 **The Subjects of the Union List are mentioned under which article of the Indian Constitution?**

Ans

✗ A. Article 242

✓ B. Article 246

✗ C. Article 248

✗ D. Article 244

Q.74 **By which of the following dynasties was the Brihadeswara temple built?**

Ans

✗ A. Pandya

✗ B. Maurya

✓ C. Chola

✗ D. Gupta

Q.75 **Which of the following can be considered as a long-term impact of the globalisation policies of 1991 on India's economic structure?**

Ans

✗ A. Isolation from international trade

✗ B. Dominance of agriculture in GDP contribution

✓ C. Shift towards a service-based economy

✗ D. Complete elimination of poverty

Q.76 **The first partition of Bengal took place in _____.**

Ans

✓ A. 1905

✗ B. 1885

✗ C. 1907

✗ D. 1898

Q.77 **Who among the following was one of the grandsons of Ashoka?**

Ans

✗ A. Chandragupta II

✓ B. Dasharatha Maurya

✗ C. Brihadratha

✗ D. Bindusara

Q.78 **What is the annual average rainfall in the Indian Desert?**

Ans

✗ A. 200 mm to 500 mm

✗ B. 500 mm to 1000 mm

✓ C. Less than 150 mm

✗ D. more than 1000 mm

Q.79 **Who published 'New Lamps for Old' in the 'Indu Prakash'?**

Ans

✗ A. Bal Gangadhar Tilak

✗ B. Lala Lajpat Rai

✓ C. Aurobindo Ghosh

✗ D. Bipin Chandra Pal

Q.80 **Which of the following period is considered as Phase of pulling up agriculture in the context of economic development in India?**

Ans

✗ A. Late 1970 - 1980

✗ B. mid 1950 - mid 1960

✗ C. Late 1980 - 1990

✓ D. Late 1960s - 1970s

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Q.81 **Kush Maini, who secured his first Formula 2 Sprint Race win at the Hungarian Grand Prix in July 2024, is from which of the following countries?**

Ans
- ✔ A. India
- ✘ B. Nepal
- ✘ C. Myanmar
- ✘ D. Sri Lanka

Q.82 **Which court in India is responsible for handling civil cases like property disputes, divorce and consumer problems?**

Ans
- ✔ A. Civil Court
- ✘ B. Sessions Court
- ✘ C. Revenue Court
- ✘ D. Criminal Court

Q.83 **The use of drugs for medical treatment is referred to as ____.**

Ans
- ✘ A. Immunotherapy
- ✘ B. Radiotherapy
- ✘ C. Phototherapy
- ✔ D. Chemotherapy

Q.84 **Which of the following incidents during the revolt of 1857 resulted in the mass massacre of Indian rebels?**

Ans
- ✘ A. Mutiny at Meerut
- ✘ B. Mutiny at Agra
- ✔ C. The capture of Delhi
- ✘ D. The hanging of Mangal Pandey

Q.85 **The United Nations Millennium Development Goals (MDGs) were announced in the year _____.**

Ans
- ✘ A. 2002
- ✘ B. 2003
- ✔ C. 2000
- ✘ D. 2004

Q.86 **What is the primary role of thrombocytes in the human body?**

Ans
- ✘ A. Transporting nutrients to cells
- ✔ B. Forming blood clots to stop bleeding
- ✘ C. Carrying oxygen to tissues
- ✘ D. Initiating the immune response

Q.87 **In which year was Awadh formally annexed to the British Empire?**

Ans
- ✘ A. 1854
- ✘ B. 1852
- ✘ C. 1860
- ✔ D. 1856

Q.88 **By how much percentage did Axis Bank's Net Interest Income grow year-on-year (YoY) in Q2 FY25?**

Ans
- ✘ A. 11%
- ✘ B. 15%
- ✘ C. 6%
- ✔ D. 9%

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Q.89 **Which sector received a major allocation of ₹2.66 lakh crore in the 2024 Budget for development purposes?**

Ans

✗ A. MSME sector

✗ B. Defense

✓ C. Rural development

✗ D. Urban infrastructure

Q.90 **In July 2024, Defence Minister Rajnath Singh inaugurated the Defence Aviation Expo IDAX-24 in which city?**

Ans

✗ A. Bhopal

✗ B. Surat

✗ C. Jaipur

✓ D. Jodhpur

Q.91 **According to Basic Road Statistics in India-2018-19, National Highways constitutes _____ of the total road network in the country.**

Ans

✗ A. 12.90%

✗ B. 08.40%

✓ C. 02.09%

✗ D. 22.10%

Q.92 **The _____ wheat variety was launched in India in October 2024.**

Ans

✓ A. NWS-2194 Badshah

✗ B. NWS-2184 Badshah

✗ C. NWS-2164 Badshah

✗ D. NWS-2199 Badshah

Q.93 **Which Constitutional Amendment Act is known as the 'Right to Education' Amendment?**

Ans

✓ A. 1. 86th Amendment

✗ B. 2. 44th Amendment

✗ C. 3. 101st Amendment

✗ D. 4. 61st Amendment

Q.94 **As of November 2024, who is the Minister of State for Defence?**

Ans

✗ A. Amit Shah

✗ B. Akhilesh Yadav

✓ C. Sanjay Seth

✗ D. Nirmala Sitharaman

Q.95 **Which country's player won the Men's Singles title in the India Open Badminton Championship 2024, held in New Delhi in the month of January 2024?**

Ans

✓ A. South Korea

✗ B. Japan

✗ C. China

✗ D. Thailand

Q.96 **'Indian Ocean Dipole (IOD)' is characterised by a difference in sea surface temperature between which of the following?**

Ans

✗ A. Tropical Western Indian Ocean and Tropical Eastern Pacific Ocean

✗ B. Tropical Western Indian Ocean and Tropical Western Pacific Ocean

✓ C. Tropical Western Indian Ocean and Tropical Eastern Indian Ocean

✗ D. Tropical Eastern Indian Ocean and Tropical Eastern Pacific Ocean

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Q.97 **Which Schedule of the Indian Constitution deals with power, authority and responsibility of municipalities?**

Ans

✗ A. Tenth Schedule

✗ B. Eighth Schedule

✓ C. Twelfth Schedule

✗ D. Seventh Schedule

Q.98 **Which of the following is NOT one of the three lines of effort for the Atlantic Partnership of September 2024?**

Ans

✗ A. Science Capacity Building and Exchange

✓ B. Military Defense Cooperation

✗ C. Ocean-based Food Security

✗ D. Sustainable Blue Economy

Q.99 **The Green Revolution in India was aimed at improving which of the following?**

Ans

✓ A. Agricultural productivity

✗ B. International trade

✗ C. Urban infrastructure

✗ D. Industrial growth

Q.100 **In a dam, potential energy of water changes into _____, which rotates the turbine.**

Ans

✗ A. electric energy

✓ B. kinetic energy

✗ C. heat energy

✗ D. mechanical energy

Q.101 **When was clause (K) of Article 51(A) inserted in the Indian Constitution?**

Ans

✗ A. 1999

✗ B. 1990

✓ C. 2002

✗ D. 2004

Q.102 **What was the stance of the Reserve Bank of India (RBI) in its October 2024 Monetary Policy Committee (MPC) meeting?**

Ans

✗ A. Tightening

✗ B. Hawkish

✓ C. Neutral

✗ D. Accommodative

Q.103 **Ministry of Youth Affairs and Sports (MYAS) provides which of the following awards for coaches who help athletes achieve excellence over a period of four years?**

Ans

✗ A. Khel Ratna Award

✓ B. Dronacharya Award

✗ C. Rashtriya Khel Protsahan Puruskar

✗ D. Arjuna Award

Q.104 **The Fundamental Duties in the Indian Constitution have a resemblance to which of the following international declarations?**

Ans

✗ A. Geneva Convention

✗ B. International Covenant on Civil and Political Rights

✗ C. United Nations Charter

✓ D. Universal Declaration of Human Rights

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Q.105 **Which bank merged with AU Small Finance Bank as per the approval of the Reserve Bank of India (RBI) in 2024?**

Ans

✗ A. Equitas Small Finance Bank

✗ B. Janalakshmi Small Finance Bank

✓ C. Fincare Small Finance Bank

✗ D. Ujjivan Small Finance Bank

Q.106 **Ramani Rangan, the winner of the Sangeet Natak Akademi Amrit Award in 2022 for her contribution towards classical musical instrument of Veena, belongs to which Indian state?**

Ans

✗ A. Gujarat

✗ B. Andhra Pradesh

✗ C. Karnataka

✓ D. Tamil Nadu

Q.107 **In the context of digestion, bolus is best described by which of the following options?**

Ans

✓ A. A mixture of food and saliva formed during chewing

✗ B. A hormone released by the stomach to stimulate digestion

✗ C. A digestive fluid secreted by glands in the intestinal mucosa

✗ D. A type of enzyme produced by the pancreas

Q.108 **To prohibit the slaughter of cows is a Directive Principle mentioned in ____ of the Indian Constitution.**

Ans

✗ A. Article 42

✗ B. Article 43

✗ C. Article 49

✓ D. Article 48

Q.109 **Which Gupta emperor established his capital at Sakala?**

Ans

✗ A. Chandragupta

✓ B. Mihirakula

✗ C. Samudragupta

✗ D. Ashoka

Q.110 **The Sundarbans are famous for which type of vegetation?**

Ans

✗ A. Thorn Forests

✓ B. Mangrove Forests

✗ C. Deciduous Forests

✗ D. Tropical Evergreen Forests

Q.111 **Who among the following was the Nawab of Awadh in 1856, at the time of its annexation to the British Empire?**

Ans

✗ A. Shuja-ud-Daula

✓ B. Wajid Ali Shah

✗ C. Amjad Ali Shah

✗ D. Wazir Ali

Q.112 **With which of the following coloured sandstones was a Male Torso found in Harappa?**

Ans

✗ A. Yellow

✗ B. Brown

✓ C. Red

✗ D. Green

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Q.113 **Which edition of the NDC Course at National Defence College is scheduled from 6th January 2025 to 28th November 2025?**

Ans

✗ A. 1. 75th

✗ B. 2. 100th

✓ C. 3. 65th

✗ D. 4. 70th

Q.114 **When was electricity production in India commenced using nuclear energy?**

Ans

✗ A. 1988

✗ B. 1978

✗ C. 1998

✓ D. 1969

Q.115 **Which of the following is NOT a component of land reforms?**

Ans

✓ A. Industrial privatisation

✗ B. Land ceiling

✗ C. Tenancy reforms

✗ D. Abolition of intermediaries

Q.116 **Consider oxygen gas at standard temperature and pressure (STP). What is the approximate weight (in grams) of one mole of oxygen molecules at STP?**

Ans

✗ A. 16

✗ B. 64

✓ C. 32

✗ D. 8

Q.117 **In November 2024, SEBI implemented six out of seven measures recommended by an expert panel to regulate which segment of the financial market?**

Ans

✗ A. Equity Market

✓ B. Derivatives Market

✗ C. Forex Market

✗ D. Debt Market

Q.118 **In August 2024, which of the Indian Institute of Technology developed shoes that generate electricity, track location in real time for Armed forces?**

Ans

✗ A. IIT Kanpur

✓ B. IIT Indore

✗ C. IIT Bombay

✗ D. IIT Delhi

Q.119 **One of the classical instruments of India, the Tambura (also called Tanpura in north India), is made of how many metal strings?**

Ans

✗ A. 9

✗ B. 3

✓ C. 4

✗ D. 6

Q.120 **Why is literacy an important component of human development?**

Ans

✗ A. It ensures higher agricultural productivity.

✗ B. It reduces population growth.

✓ C. It empowers individuals to make informed decisions and improves employment opportunities.

✗ D. It directly increases Gross Domestic Product.

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	18/03/2025
Test Time	12:30 PM - 2:00 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A 629 m long train crosses a man walking at a speed of 10.4 km/h in the opposite direction in 12 seconds. What is the speed (in km/h) of the train?**

Ans
- ✗ A. 183.1
- ✓ B. 178.3
- ✗ C. 177.4
- ✗ D. 176.6

Q.2 **Find the greatest number of four digits which is divisible by 10, 20, 40 and 75.**

Ans
- ✗ A. 9500
- ✗ B. 9400
- ✓ C. 9600
- ✗ D. 9999

Q.3 **A bike goes 94 meters in a second. Find its speed in km/hr.**

Ans
- ✓ A. 338.4
- ✗ B. 333.7
- ✗ C. 347.9
- ✗ D. 333.1

Q.4 **Evaluate: 2 × {17 - 3 × (9 -4)}**

Ans
- ✗ A. 8
- ✗ B. 1
- ✓ C. 4
- ✗ D. 3

Q.5 **Three partners invested in a business in the ratio 6:1:5. They invested their capitals for 7 months, 10 months and 8 months, respectively. What was the ratio of their profits?**

Ans
- ✓ A. 21:5:20
- ✗ B. 20:5:20
- ✗ C. 23:5:20
- ✗ D. 19:5:20

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Q.6 The selling price of a dozen bananas is equal to the cost price of 20 bananas. The percentage of profit is _____.

Ans

✗ A. 1. 50%

✗ B. 60%

✗ C. $33\frac{1}{3}$

✓ D. $66\frac{2}{3}$

Q.7 Ravi sold an article to Mahesh at 15% profit and Mahesh sold it to Ashutosh at 10% loss. If Ashutosh paid ₹2,691 to Mahesh, then find the cost price of the article paid by Ravi.

Ans

✗ A. ₹2,598

✗ B. ₹2,550

✓ C. ₹2,600

✗ D. ₹2,635

Q.8 Find the value of $(8K^2 - 5K)$ for which the number 25K583 is divisible by 11.

Ans

✗ A. 48

✓ B. 57

✗ C. 52

✗ D. 62

Q.9 An amount of ₹858 is divided among three persons in the ratio of 9 : 8 : 13. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans

✗ A. 173

✗ B. 233

✓ C. 143

✗ D. 237

Q.10 What is the interest amount for ₹40,000 at the rate of 10% per annum compounded half yearly for 1.5 years?

Ans

✓ A. ₹6,305

✗ B. ₹6,335

✗ C. ₹6,315

✗ D. ₹6,325

Q.11 A retailer purchases a batch of electronics at a marked price of ₹20,000. The supplier offers a trade discount of 15% and an additional scheme discount of 5% on the price after the trade discount. What is the effective price the retailer pays after both discounts?

Ans

✗ A. ₹17,750

✗ B. ₹16,450

✗ C. ₹18,150

✓ D. ₹16,150

Q.12 With a discount of 10% on the marked price, on selling an item, 20% profit is earned. What should be the percentage discount on the marked price to earn 10% profit?

Ans

✓ A. 17.5%

✗ B. 20%

✗ C. 18.5%

✗ D. 15%

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Q.13 $\left[\left(\frac{9}{6}\right)^{-9} \times \left(\frac{6}{9}\right)^{-6} \times \left(\frac{1}{4}\right)^{-3}\right]^{-9}$

Ans

✗ A. $\left(\frac{11}{24}\right)^{26}$

✗ B. $\left(\frac{24}{9}\right)^{29}$

✓ C. $\left(\frac{9}{24}\right)^{27}$

✗ D. $\left(\frac{9}{34}\right)^{27}$

Q.14 **A train overtakes two persons walking along a railway track. The first one walks at 7.2 km/h. The other one walks at 12.6 km/h. The train needs 6.6 and 13.2 seconds respectively to overtake them. What is the speed of the train if both the persons are walking in the same direction as the train?**

Ans

✓ A. 18 km/h

✗ B. 26 km/h

✗ C. 27 km/h

✗ D. 20 km/h

Q.15 **The value of**

$\sqrt{169} + \sqrt{0.0289} - \sqrt{4.41} =$

Ans

✗ A. 1.96

✓ B. 11.07

✗ C. 6.36

✗ D. 3.43

Q.16 **Simplify the following.**

$\frac{4}{5} + \left(1056 \times \frac{6}{96 \times 5}\right)$

Ans

✗ A. 15

✗ B. 16

✓ C. 14

✗ D. 13

Q.17 **The monthly incomes of two friends Gopal and Akshay, are in the ratio 5 : 7 respectively and each of them saves ₹93000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Gopal(in ₹).**

Ans

✗ A. 217000

✗ B. 154000

✓ C. 155000

✗ D. 156000

Q.18 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 109. Find the average of the remaining two numbers?**

Ans

✗ A. 199

✗ B. 184

✓ C. 198

✗ D. 185

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Q.19 7 men can complete a piece of work in 6 days while 4 women can do it in 14 days. In how many days can 2 women and 2 men complete it?

Ans

✔ A. 12 days

✘ B. 9 days

✘ C. 14 days

✘ D. 17 days

Q.20 Find the value of $\frac{16}{23} + \frac{11}{46} - \frac{15}{23} + \frac{17}{46} - \frac{9}{23}$.

Ans

✘ A. $\frac{5}{23}$

✘ B. $\frac{4}{23}$

✘ C. $\frac{7}{23}$

✔ D. $\frac{6}{23}$

Q.21 The sum of five numbers is 655. The average of the first two numbers is 77 and the third number is 130. Find the average of the remaining two numbers?

Ans

✘ A. 207

✘ B. 186.5

✔ C. 185.5

✘ D. 208

Q.22 The average of first 139 even numbers is

Ans

✘ A. 139.5

✘ B. 140.5

✘ C. 141

✔ D. 140

Q.23 A sum, when invested at 10% simple interest per annum, amounts to ₹3360 after 2 years. What is the simple interest (in ₹) on the same sum at the same rate of interest in 2 years?

Ans

✘ A. 280

✔ B. 560

✘ C. 2240

✘ D. 1120

Q.24 In a race, an athlete covers a distance of 360 m in 120 sec in the first lap. He covers the second lap of the same length in 60 sec. What is the average speed (in m/sec) of the athlete?

Ans

✔ A. 4

✘ B. 14

✘ C. 2

✘ D. 7

Q.25 A metallic cube of side 12 cm is cut into 8 equal solid cubes of equal volume. Find the ratio between the surface areas of a cube with a larger edge to a smaller edge.

Ans

✔ A. 4 : 1

✘ B. 1 : 2

✘ C. 3 : 1

✘ D. 2 : 5

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Q.26 **1% of 95% of a number is what percentage of that number?**

Ans

✔ A. 0.95

✘ B. 95

✘ C. 96

✘ D. 0.095

Q.27 An electric pump can fill a tank in 5 hours. Due to a leakage in the tan

Ans

✘ A. 25 hrs

✘ B. 43 hrs

✔ C. 33 hrs

✘ D. 11 hrs

Q.28 **The sum of five numbers is 655. The average of the first two numbers is 75 and the third number is 119. Find the average of the remaining two numbers?**

Ans

✘ A. 195

✘ B. 196

✘ C. 194

✔ D. 193

Q.29 **The compound interest on a certain sum of money for two years at 8% per annum is ₹312. What is the principal amount (in ₹)?**

Ans

✘ A. 1,750

✘ B. 1,800

✔ C. 1,875

✘ D. 1,855

Q.30 **The average of the marks of 15 students in a class is 42. If the marks of each student are doubled, find the new average?**

Ans

✔ A. 84

✘ B. 42

✘ C. 30

✘ D. 15

Q.31 **John and Mike can complete a piece of work in 10 hours and 15 hours, respectively. How long will it take for them to complete the work together?**

Ans

✘ A. 6.2 hours

✔ B. 6 hours

✘ C. 5 hours

✘ D. 8 hours

Q.32 **Find the LCM of 0.24, 0.36 and 0.48.**

Ans

✔ A. 1.44

✘ B. 1.80

✘ C. 1.96

✘ D. 1.20

Q.33 **The sides of a triangle are 7 cm, 24 cm, and 25 cm. What is the area of this triangle?**

Ans

✘ A. 1. 70 cm^2

✘ B. 2. 96 cm^2

✘ C. 3. 50 cm^2

✔ D. 4. 84 cm^2

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Q.34 **The cost of a television set rose from ₹16,000 to ₹19,200. Find the percentage increase.**

Ans

✗ A. 16.67%

✗ B. 22.67%

✗ C. 24%

✓ D. 20%

Q.35 **Find the total surface area of a right circular cone, if the height and radius of the cone are 63 cm and 16 cm, respectively.**

Ans

✗ A. 1. 1692π cm^2

✗ B. 2. 1962π cm^2

✓ C. 3. 1296π cm^2

✗ D. 4. 1269π cm^2

Section : **General Intelligence and Reasoning**

Q.36 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. GHK

✗ B. MNQ

✗ C. PQT

✓ D. CDF

Q.37 **Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.**
(Left) 2 & @ 8 $ 7 + 3 Ω 9 % 4 6 # 1 * £ 5 (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another number?

Ans

✗ A. 6

✓ B. 5

✗ C. 4

✗ D. 7

Q.38 **In a certain code language, 'CLUE' is coded as '9658' and 'GLUE' is coded as '8769'. What is the code for 'G' in the given code language?**

Ans

✗ A. 5

✗ B. 9

✗ C. 8

✓ D. 7

Q.39 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 13, 28)
(17, 15, 33)

Ans

✗ A. (18, 20, 40)

✗ B. (12, 18, 21)

✗ C. (15, 18, 35)

✓ D. (10, 18, 29)

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Q.40 What should come in place of the question mark (?) in the given series?

87, 96, 114, 141, ?, 222

Ans
- ✔ A. 177
- ✘ B. 168
- ✘ C. 186
- ✘ D. 158

Q.41 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✘ A. PTO
- ✘ B. MQL
- ✔ C. GKE
- ✘ D. JNI

Q.42 If '+' and '×' are interchanged and '−' and '÷' are interchanged, then what will come in place of the question mark (?) in the following equation?

20 ÷ 5 + 4 × 6 − 2 = ?

Ans
- ✘ A. 7
- ✘ B. 10
- ✔ C. 3
- ✘ D. 5

Q.43 In a certain code language, 'SLIT' is coded as '3782' and 'TILE' is coded as '8217'. What is the code for 'E' in the given code language?

Ans
- ✔ A. 1
- ✘ B. 8
- ✘ C. 7
- ✘ D. 2

Q.44 All 32 people are standing in a row facing North. Steve is 18th from the right end while Ben is 22nd from the left end. How many people are there between Steve and Ben?

Ans
- ✘ A. 7
- ✘ B. 4
- ✘ C. 5
- ✔ D. 6

Q.45 WQKE is related to UOIC in a certain way based on the English alphabetical order. In the same way, TNHC is related to RLFA. To which of the following is VPJD related, following the same logic?

Ans
- ✘ A. SMGA
- ✘ B. BJPV
- ✘ C. SMAG
- ✔ D. TNHB

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Q.46 **Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.**

BD_A F_GE _LKI NP_M R_SQ

Ans
- ✗ A. CGJOT
- ✓ B. CHJOT
- ✗ C. EHJOT
- ✗ D. CHIOT

Q.47 **Each letter in the word STYLISH is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the right in the letter-cluster thus formed?**

Ans
- ✓ A. K
- ✗ B. R
- ✗ C. X
- ✗ D. H

Q.48 **Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.**

PK-RM-TU
RM-TO-VW

Ans
- ✗ A. MI-PL-RT
- ✗ B. NI-PK-RT
- ✓ C. NI-PK-RS
- ✗ D. MI-PK-RT

Q.49 **This question is based on the five, three-digit numbers given below.**

(Left) 325 486 751 259 654 (Right)
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

Ans
- ✓ A. 14
- ✗ B. 15
- ✗ C. 11
- ✗ D. 13

Q.50 **Brij starts from Point A and drives 23 km towards the south. He then takes a left turn, drives 29 km, turns left and drives 28 km. He then takes a left turn and drives 34 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)**

Ans
- ✓ A. 5 km to the east
- ✗ B. 3 km to the west
- ✗ C. 2 km to the east
- ✗ D. 53 km to the west

Q.51 **If '+' and '−' are interchanged and '×' and '÷' are interchanged, then what will come in place of the question mark (?) in the following equation?**

6 ÷ 5 + 8 × 2 − 3 = ?

Ans
- ✓ A. 29
- ✗ B. 30
- ✗ C. 34
- ✗ D. 25

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Q.52 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All dolls are toys.
All toys are pink.
No pink is white.
Conclusions:
I) Some toys are white.
II) Some toys are doll.
III) Some dolls are white.

Ans
- ✗ A. Only I and III
- ✗ B. Only III
- ✓ C. Only II
- ✗ D. Only I

Q.53 **What should come in place of the question mark (?) in the given series?**

15 28 50 81 121 ?

Ans
- ✗ A. 196
- ✗ B. 169
- ✗ C. 166
- ✓ D. 170

Q.54 **Refer to the following series and answer the question (all numbers are single digit numbers only).**

(Left) 1 6 4 8 5 8 6 7 8 5 7 7 4 5 9 4 6 1 5 6 1 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an even digit?

Ans
- ✗ A. Three
- ✓ B. Two
- ✗ C. One
- ✗ D. Four

Q.55 **Each of D, E, F, H, I, J and K has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. No one has the exam before F. Only three people have the exam between F and E. Only one person has the exam between E and K. I has the exam on Wednesday. J has the exam on one of the days after H but on one of the days before D. On which day of the week does J have the exam?**

Ans
- ✓ A. Thursday
- ✗ B. Saturday
- ✗ C. Friday
- ✗ D. Tuesday

Q.56 **In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.**

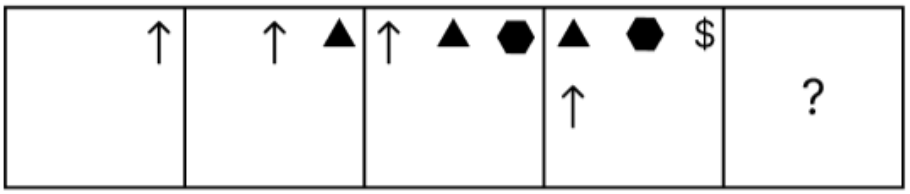
COIN - OICN - NIOC
SINK - INSK - KNIS

Ans
- ✗ A. GEAR - EAGR - EARG
- ✗ B. MOAN - OMAN - NOAM
- ✗ C. SEAK - SAEK - KAES
- ✓ D. RIPE - IPRE - EPIR

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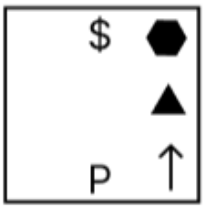
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Q.57



Ans

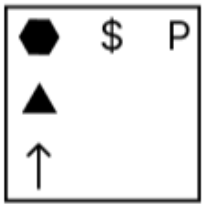
✗ A.



✗ B.



✓ C.



✗ D.



Q.58 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

QSV NPS KMP HJM ?

Ans

✗ A. EHJ

✓ B. EGJ

✗ C. EGI

✗ D. EHI

Q.59 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
FEW KAB PWG USL ?

Ans

✗ A. AOP

✗ B. YPQ

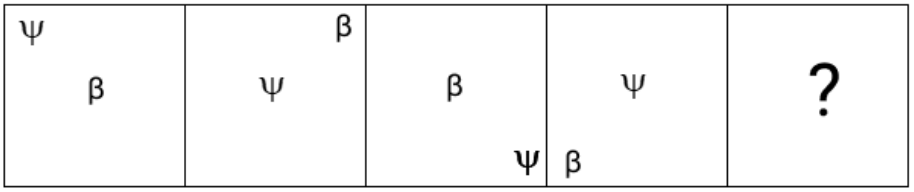
✗ C. ANR

✓ D. ZOQ

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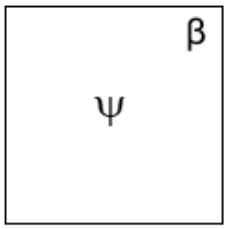
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Q.60

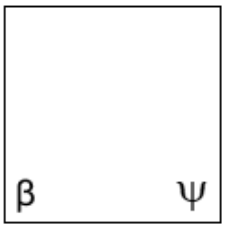


Ans

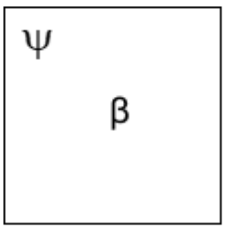
✗ A.



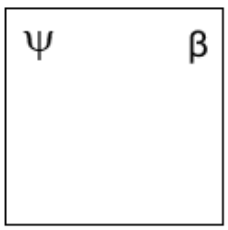
✗ B.



✓ C.



✗ D.



Q.61 **Seven people, A, B, C, D, E, F and G are sitting in a row, facing north. Only two people sit to the left of A. Only three people sit between A and F. Only one person sits between F and D. E sits to the immediate left of B. C is not an immediate neighbour of F. How many people sit to the right of A?**

Ans

✗ A. 1

✗ B. 4

✗ C. 3

✓ D. 2

Q.62 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All fans are mirrors.
All fans are slippers.

Conclusions:
(I) : Some mirrors are slippers.
(II) : All slippers are fans.

Ans

✓ A. Only conclusion (I) follows

✗ B. Both conclusions (I) and (II) follow

✗ C. Only conclusion (II) follows

✗ D. Neither conclusion (I) nor (II) follows

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Q.63 **Seven friends S, A, P, W, E, T, and Z are sitting around a circular table facing the centre. E is sitting immediately between A and P. T is sitting to the immediate left of P and right of S. W is sitting third to the right of E. Who is sitting to the immediate right of Z?**

Ans

✗ A. T

✗ B. A

✓ C. W

✗ D. E

Q.64 **In a certain code language,**
'A + B' means 'A is the mother of B'
'A – B' means 'A is the brother of B'
'A × B' means 'A is the wife of B'
'A ÷ B' means 'A is the father of B'

How is P related to T if 'P + Q – R × S ÷ T'?

Ans

✗ A. Sister-in-law

✗ B. Mother-in-law

✓ C. Grandmother

✗ D. Daughter

Q.65 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

Statements:
All mangoes are arrows.
All kings are mangoes.

Conclusions:
(I) : Some arrows are mangoes.
(II) : All kings are arrows.

Ans

✗ A. Only conclusion (I) follows

✓ B. Both conclusions (I) and (II) follow

✗ C. Neither conclusion (I) nor (II) follows

✗ D. Only conclusion (II) follows

Q.66 **In a certain code language,**
A : B means 'A is the father of B'
A + B means 'A is the wife of B'
A = B means 'A is the son of B'
A < B means 'A is the sister of B'
Based on the above, how is E related to A if 'E = X + T : R < A'?

Ans

✓ A. Brother

✗ B. Sister

✗ C. Mother

✗ D. Father

Q.67 **In a certain code language, 'experience the moment' is coded as 'ot km cz' and 'the pen broke' is coded as 'jb cz mo'. How is 'the' coded in the given language?**

Ans

✗ A. mo

✗ B. km

✓ C. cz

✗ D. ot

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Q.68 **In the following expression, what will be the value after calculation if all 'a's are replaced by 4?**
7 × 5 + 1 − a × 2 + 3 ÷ 3 − a × 2

Ans
- ✗ A. 22
- ✗ B. 18
- ✗ C. 20
- ✓ D. 21

Q.69 **Christian starts from Point A and drives 12 km towards east. He then takes a left turn, drives 7 km, turns left and drives 13 km. He then takes a left turn and drives 10 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans
- ✓ A. 3 km to the north
- ✗ B. 4 km to the north
- ✗ C. 2 km to the north
- ✗ D. 1 km to the north

Q.70 **What should come in place of the question mark (?) in the given series?**

127 121 109 91 67 ?

Ans
- ✓ A. 37
- ✗ B. 45
- ✗ C. 40
- ✗ D. 34

Section : **General Awareness**

Q.71 **Examine the dynamics of a rigid body that is either pivoted or fixed in some way. Which of the following options best describe the possible motion for such a system?**

Ans
- ✓ A. Only rotation
- ✗ B. Linear motion
- ✗ C. Combination of rotation and translation
- ✗ D. Only translation

Q.72 **Which of the following Constitutional Amendment Acts has the land boundary agreement between India and Bangladesh?**

Ans
- ✗ A. 1. 31st Constitutional Amendment Act
- ✗ B. 2. 25th Constitutional Amendment Act
- ✓ C. 3. 100th Constitutional Amendment Act
- ✗ D. 4. 61st Constitutional Amendment Act

Q.73 **Which of the following was a significant problem faced by the agricultural sector in India around 1947?**

Ans
- ✗ A. Modern farming techniques
- ✓ B. Dependence on monsoons
- ✗ C. Surplus production
- ✗ D. High productivity levels

Q.74 **National Highway (NH)-2, a section of the Grand Trunk Road, is a major highway in India that runs from Delhi to _____.**

Ans
- ✗ A. Amritsar
- ✗ B. Panipat
- ✓ C. Kolkata
- ✗ D. Ambala

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Q.75 **Under which Act was the Armed Forces Tribunal (AFT) established in India?**

Ans

✗ A. Armed Forces Tribunal Act, 2009

✓ B. Armed Forces Tribunal Act, 2007

✗ C. Military Tribunal Act, 1950

✗ D. Indian Armed Forces Act, 1950

Q.76 **Rutherford's planetary model of atom is also called the _____.**

Ans

✓ A. Nuclear model of atom

✗ B. Wave model of atom

✗ C. Discreate energy orbit model of atom

✗ D. Plum pudding model of atom

Q.77 **How many holes of a Shahnai are used for playing?**

Ans

✗ A. 8

✗ B. 10

✓ C. 7

✗ D. 5

Q.78 **At Dholavira _____ was used to build massive fortifications.**

Ans

✓ A. stone

✗ B. mud

✗ C. wood

✗ D. cement

Q.79 **As per Census of India 2011, towns with a population of over _____ are categorised as cities.**

Ans

✗ A. 75,000

✓ B. 1,00,000

✗ C. 50,000

✗ D. 20,000

Q.80 **Which of the following Acts ended the company rule in India?**

Ans

✓ A. Government of India Act, 1858

✗ B. Indian Councils Act, 1861

✗ C. Charter Act, 1853

✗ D. Indian Councils Act, 1892

Q.81 **In 1997, which state was at the centre of a recommendation to impose President's Rule that President KR Narayanan sent back for reconsideration?**

Ans

✗ A. Madhya Pradesh

✗ B. Rajasthan

✗ C. Bihar

✓ D. Uttar Pradesh

Q.82 **Which Directive Principles of State Policy Article focuses on the organisation of village panchayats?**

Ans

✓ A. Article 40

✗ B. Article 43

✗ C. Article 36

✗ D. Article 45

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Q.83 **The process of removing introns and connecting the remaining exons in a specific sequence to form a mature mRNA molecule is known as ____.**

Ans

✔ A. Splicing

✘ B. Tailing

✘ C. Splitting

✘ D. Capping

Q.84 **The Opening Ceremony of MALABAR 2024, under the aegis of the Eastern Naval Command, was held onboard with which Indian Naval Ship at Visakhapatnam?**

Ans

✘ A. INS Kolkata

✘ B. INS Shivalik

✔ C. INS Satpura

✘ D. INS Vikrant

Q.85 **The Battle of Khanua was fought between _____.**

Ans

✘ A. Humayun and Rana Sanga

✔ B. Babur and Rana Sanga

✘ C. Akbar and Ali Mirza

✘ D. Babur and Ali Mirza

Q.86 **In 2024, BOBCARD LIMITED introduced the TIARA Credit Card exclusively designed for which of the following groups?**

Ans

✘ A. Business owners

✘ B. Students

✔ C. Women

✘ D. Senior citizens

Q.87 **Which of the following statements best represents the mass number of an atom?**

Ans

✘ A. The number of protons in the nucleus

✘ B. The number of electrons in an atom

✘ C. The average mass of all the isotopes of the element

✔ D. The total number of protons and neutrons in the nucleus

Q.88 **In September 2024, the Union Government launched the upgraded 'e-Shram: One-stop solution' portal to provide access to which of the following for the unorganised Sector?**

Ans

✘ A. Women's safety at working place

✘ B. Telemedicine services

✔ C. Different social security schemes

✘ D. Skill development programmes

Q.89 **As of 1 November 2024, how many T20I centuries has Rohit Sharma scored, tying him with Glenn Maxwell for the most in this format?**

Ans

✔ A. Eight

✘ B. Seven

✘ C. Three

✘ D. Five

Q.90 **The Major Atmospheric Cherenkov Experiment (MACE) Observatory was inaugurated at _____ .**

Ans

✔ A. Hanle, Ladakh

✘ B. Srinagar, Jammu and Kashmir

✘ C. Shimla, Himachal Pradesh

✘ D. Dehradun, Uttarakhand

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Q.91 **In the Harappan Civilisation, sculptures in _____ are excellent examples of handling three-dimensional volumes.**

Ans
- ✗ A. granite
- ✗ B. wood
- ✓ C. stone
- ✗ D. marble

Q.92 **Name the author who wrote the famous book on economics called 'Arthashastra'.**

Ans
- ✓ A. Kautilya
- ✗ B. Kuntaka
- ✗ C. Matanga Muni
- ✗ D. Bharavi

Q.93 **Who among the following was NOT involved in the establishment of the Indian National Congress?**

Ans
- ✗ A. KT Telang
- ✓ B. Bal Gangadhar Tilak
- ✗ C. Justice MG Ranade
- ✗ D. Dadabhai Naoroji

Q.94 **Which of the following is/are an example of economic infrastructure?**

Ans
- ✓ A. Roads and bridges
- ✗ B. Museums
- ✗ C. Schools
- ✗ D. Parks

Q.95 **In October 2024, which Indian IT company collaborated with NVIDIA to launch AI solutions for industry-specific use cases?**

Ans
- ✗ A. Infosys
- ✓ B. Tata Consultancy Services
- ✗ C. HCL Technologies Limited
- ✗ D. Wipro

Q.96 **What does Human Development Index measure to assess development?**

Ans
- ✓ A. Education, health and income levels
- ✗ B. Industrial output
- ✗ C. Population density
- ✗ D. Economic growth only

Q.97 **Which of the following statements is/are correct in the context of the causes of failure of the 1857 Revolt?**
I. No active support of Princely states.
II. Lack of effective leadership of rebels.

Ans
- ✓ A. Both I and II
- ✗ B. Only I
- ✗ C. Only II
- ✗ D. Neither I nor II

Q.98 **What was the primary characteristic of the Indian economy on the eve of independence in 1947?**

Ans
- ✗ A. It had a well-developed banking and financial system.
- ✗ B. It was a net exporter of industrial products.
- ✓ C. It was primarily an agricultural economy with most of the population dependent on agriculture.
- ✗ D. It was a highly industrialised economy with a strong manufacturing sector.

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Q.99 **With reference to Gram Nyayalayas, who presides over the Gram Nyayalayas and what is their official designation?**

Ans

✗ A. A village representative known as Nyaya Panchayat

✗ B. A representative from the Panchayat Samiti

✗ C. A District Magistrate appointed by the High Court

✓ D. A judicial officer designated as Nyaya Adhikari, appointed by the State Government in consultation with the High Court

Q.100 **Who among the following was the British resistance at Lucknow during the Revolt of 1857?**

Ans

✗ A. William Taylor

✗ B. John Nicholson

✓ C. Henry Lawrence

✗ D. Colonel Oncell

Q.101 **Which of the following was NOT one of the reasons for the failure of the First War of Independence?**

Ans

✓ A. Strong support from foreign powers

✗ B. Lack of unity among the rebels

✗ C. Superior British military technology

✗ D. Limited geographical spread of the rebellion

Q.102 **On which date did India's maiden solar mission Aditya-L1 reach the L1 point (Lagrange point 1) in 2024, after being launched in September 2023?**

Ans

✗ A. 25 August

✗ B. 6 February

✓ C. 6 January

✗ D. 25 January

Q.103 **How did HDFC Bank's gross non-performing assets (NPA) change from Q1 FY25 to Q2 FY25?**

Ans

✗ A. Remained at 1.36%

✗ B. Decreased from 1.36% to 1.33%

✓ C. Increased from 1.33% to 1.36%

✗ D. Dropped to 1.30%

Q.104 **Arjun Erigaisi climbed to which of the following positions in the global chess rankings after his victory over Alexey Sarana at the Chennai Grand Masters 2024 on 7th November 2024?**

Ans

✗ A. Fourth

✓ B. Second

✗ C. First

✗ D. Third

Q.105 **Who among the following scientists is credited with the discovery of the element radium?**

Ans

✗ A. JJ Thomson

✗ B. Wilhelm Roentgen

✗ C. Dmitri Mendeleev

✓ D. Marie Curie

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Q.106 What was the ancient name of coastal Orissa?

Ans
- ✗ A. Kalsi
- ✗ B. Topra
- ✓ C. Kalinga
- ✗ D. Taxila

Q.107 In which regions of India are the Mangrove Forests found?

Ans
- ✗ A. Cold deserts
- ✗ B. Hot deserts
- ✓ C. Deltas
- ✗ D. Plateaus

Q.108 The Reserve Bank of India (RBI) has retained the GDP growth rate of India for the financial year 2024-25 at _____.

Ans
- ✗ A. 6.5%
- ✓ B. 7.2%
- ✗ C. 4.5%
- ✗ D. 3.2%

Q.109 Which of the following countries was the first to adopt the concept of Gross National Happiness Index?

Ans
- ✗ A. Sri Lanka
- ✗ B. Mauritius
- ✗ C. India
- ✓ D. Bhutan

Q.110 What trend has CPI housing (rent) inflation shown from March to August 2024, in India?

Ans
- ✗ A. Fluctuated wildly
- ✗ B. Moderated sequentially
- ✓ C. Increased significantly
- ✗ D. Remained constant

Q.111 Which state in India was one of the first to benefit from the Green Revolution?

Ans
- ✗ A. West Bengal
- ✗ B. Kerala
- ✓ C. Punjab
- ✗ D. Bihar

Q.112 Which region of the Western Coastal Plains is known for its indented coastline with natural harbours?

Ans
- ✗ A. Karnataka Coast
- ✓ B. Konkan Coast
- ✗ C. Gujarat Coast
- ✗ D. Malabar Coast

Q.113 The Comptroller and Auditor General of India is mentioned in which Article of the Indian Constitution?

Ans
- ✓ A. Article 148
- ✗ B. Article 145
- ✗ C. Article 152
- ✗ D. Article 140

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Q.114 When was Tata Iron and Steel Company Limited (TISCO) established?

Ans
- ✗ A. 1903
- ✓ B. 1907
- ✗ C. 1965
- ✗ D. 1947

Q.115 The sand dunes in the Thar desert are primarily formed by:

Ans
- ✗ A. river erosion
- ✓ B. wind action
- ✗ C. flash floods
- ✗ D. earthquakes

Q.116 What was the name of the campaign unveiled by the National Payments Corporation of India (NPCI) to promote RuPay credit cards at Indian Premier League 2024?

Ans
- ✗ A. RuPay – Digital Revolution
- ✗ B. RuPay – Safe and Secure
- ✓ C. RuPay – Link it, Forget it
- ✗ D. RuPay – Simplify Payments

Q.117 Which geological event led to the formation of the Peninsular plateau?

Ans
- ✗ A. Glacial activity
- ✗ B. Volcanic eruptions
- ✗ C. Collision of tectonic plates
- ✓ D. Breaking and drifting of Gondwana land

Q.118 In November 2024, the Diplomatic Conference on Design Law took place in .

Ans
- ✗ A. Kuwait
- ✗ B. Colombia
- ✓ C. Saudi Arabia
- ✗ D. Russia

Q.119 Which of the following is NOT correctly matched?
Place Leader of 1857 Revolt
I. Lucknow Begum Hazrat Mahal
II. Jhansi Rani Lakshmi Bai
III. Gwalior Tatya Tope
IV. Allahabad Kunwar Singh

Ans
- ✓ A. Only IV
- ✗ B. III
- ✗ C. II and IV
- ✗ D. I and II

Q.120 In September 2024, the Government of India renamed Port Blair to ____.

Ans
- ✗ A. Bharat Nagar
- ✗ B. Vijay Nagar
- ✗ C. Andaman Nagar
- ✓ D. Sri Vijaya Puram

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर पी एफ - ०२/२०२४ - CEN RPF - 02/2024

Test Date	18/03/2025
Test Time	4:00 PM - 5:30 PM
Subject	RRB RPF Constable 2024

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **Arithmetic**

Q.1 **A cylindrical rod has an outer curved surface area of 1900 cm^2. If the length of the rod is 39 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:**

$Take\ \pi = \frac{22}{7}$

Ans
- ✔ A. 7.75
- ✘ B. 8.88
- ✘ C. 7.18
- ✘ D. 6.27

Q.2 **The area of a rectangular field is 2400 m^2. If the field is 80 m long, what is its perimeter?**

Ans
- ✔ A. 220 m
- ✘ B. 210 m
- ✘ C. 110 m
- ✘ D. 30 m

Q.3 **The average of first 118 even numbers is**

Ans
- ✘ A. 118.5
- ✘ B. 119.5
- ✔ C. 119
- ✘ D. 120

Q.4 **The difference between the compound and simple interest accrued on ₹18,000 in 2 years was ₹405. What was the rate of interest percentage compounded per annum?**

Ans
- ✘ A. 16%
- ✘ B. 13%
- ✘ C. 12%
- ✔ D. 15%

Q.5 **Train A leaves station M at 6:15 AM and reaches station N at 3:15 PM on the same day. Train B leaves station N at 8:15 AM and reaches station M at 2:15 PM on the same day. Find the time when Trains A and B meet.**

Ans
- ✘ A. 4:34 AM
- ✘ B. 10:24 AM
- ✔ C. 11:03 AM
- ✘ D. 12:53 PM

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Q.6 Find the value of $14^{-10} \div 14^{13} \times 14^{-7}$

Ans

✗ A. 14^{-37}

✓ B. 14^{-30}

✗ C. 14^{-26}

✗ D. 14^{-25}

Q.7 In a general store, the marked price of a pack of 5 kg wheat flour is ₹220. The general store owner sells it at ₹200. What is the percentage of discount given by the general store owner? (Correct up to two decimal places)

Ans

✗ A. 8.08%

✓ B. 9.09%

✗ C. 8.98%

✗ D. 9.99%

Q.8 If 35% of k is 20 less than 1200% of 25, then k is:

Ans

✗ A. 840

✓ B. 800

✗ C. 760

✗ D. 780

Q.9 A grocery item was sold for ₹660 with 25% discount on its marked price. What is the marked price?

Ans

✗ A. ₹870

✗ B. ₹890

✗ C. ₹860

✓ D. ₹880

Q.10 In a race, an athlete covers a distance of 408 m in 68 sec in the first lap. He covers the second lap of the same length in 136 sec. What is the average speed (in m/sec) of the athlete?

Ans

✗ A. 7

✗ B. 1

✓ C. 4

✗ D. 6

Q.11 What will be the compound interest on a sum of ₹75,000 after 2 years at the rate of 10% per annum, compounded annually?

Ans

✗ A. ₹7,500

✓ B. ₹15,750

✗ C. ₹75,000

✗ D. ₹90,750

Q.12 The sum of five numbers is 655. The average of the first two numbers is 78 and the third number is 130. Find the average of the remaining two numbers?

Ans

✗ A. 209

✓ B. 184.5

✗ C. 185.5

✗ D. 208

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Q.13 For a chemistry experiment, Veena has 60 ml of 25% solution of ferrous sulphate. How many millilitres of 60% solution should she add to make a 30% solution of ferrous sulphate?

Ans

✗ A. 25 ml

✗ B. 15 ml

✗ C. 20 ml

✓ D. 10 ml

Q.14 In what ratio should sugar costing ₹10 per kg be mixed with sugar costing ₹49 per kg so that by selling the mixture at ₹54.6 per kg, there is a profit of 40%?

Ans

✗ A. 28 : 12

✓ B. 10 : 29

✗ C. 27 : 8

✗ D. 31 : 11

Q.15 Which of the following ratio is smallest?

Ans

✓ A. 13 : 53

✗ B. 19 : 42

✗ C. 16 : 54

✗ D. 25 : 39

Q.16 The sum of 10 numbers is 432. Find their average.

Ans

✓ A. 43.2

✗ B. 41.2

✗ C. 44.2

✗ D. 42.2

Q.17 Two banks, A and B, offered loans at 3.5% and 6% per annum, respectively. Gopal borrowed an amount of ₹360000 from each bank. Find the positive difference between the amounts of simple interest paid to the two banks by Gopal after 4 years (in ₹).

Ans

✗ A. 37500

✓ B. 36000

✗ C. 37000

✗ D. 35500

Q.18 The monthly incomes of two friends Rakesh and Shivam, are in the ratio 5 : 7 respectively and each of them saves ₹87000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Rakesh(in ₹).

Ans

✗ A. 107750

✗ B. 109750

✗ C. 152250

✓ D. 108750

Q.19 Evaluate: 41 - [36 - {48 ÷ 2 - (5 - 6 ÷ 2) ÷ 2}]

Ans

✓ A. 28

✗ B. 29

✗ C. 30

✗ D. 27

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Q.20 How many seconds will a boy take to run one complete round around a square field of side 51 metres, if he runs at a speed of 9 km/h?

Ans

✗ A. 82

✗ B. 91

✓ C. 81.5

✗ D. 79

Q.21 A metal sheet, 36 cm long, 6 cm wide and 1 cm thick, is melted and formed into a cube. Find the length of the edge of the cube.

Ans

✓ A. 6 cm

✗ B. 9 cm

✗ C. 3 cm

✗ D. 12 cm

Q.22 A pipe can fill a tank in 8 hours. Another pipe can empty the filled tank in 72 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be two-third filled, is:

Ans

✗ A. 12

✗ B. 18

✓ C. 6

✗ D. 24

Q.23 Abhinav is thrice as efficient as Arpan and can finish a piece of work in 34 days less than Arpan. In how many days can Arpan can finish this work?

Ans

✗ A. 48

✗ B. 54

✓ C. 51

✗ D. 69

Q.24 Find the least number, which, when divided by 20, 25, 35 and 40 leaves remainders 14, 19, 29 and 34, respectively.

Ans

✗ A. 1238

✗ B. 1389

✗ C. 1498

✓ D. 1394

Q.25 Sudhir purchased certain goods at the rate of ₹7,380 per dozen. He sold each one of them at the rate of ₹575. What was his percentage loss? (Round up to two decimal places)

Ans

✗ A. 40%

✗ B. 6.96%

✓ C. 6.50%

✗ D. 23.12%

Q.26 6 men can complete a piece of work in 12 days while 4 women can do it in 18 days. In how many days can 2 women and 2 men complete it?

Ans

✗ A. 23 days

✗ B. 22 days

✗ C. 20 days

✓ D. 18 days

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Q.27 An Uber auto covers a distance of 120 km in 20 hours. What is its speed in km/h?

Ans

✗ A. 9

✓ B. 6

✗ C. 16

✗ D. 10

Q.28 A shirt was originally priced at ₹ 600. It is now on sale for ₹ 540. What is the percentage decrease in the price?

Ans

✗ A. 25%

✗ B. 15%

✗ C. 20%

✓ D. 10%

Q.29 For what prime number p in the number 3785p so that the number is exactly divisible by 3?

Ans

✗ A. 5

✗ B. 1

✗ C. 3

✓ D. 7

Q.30 Evaluate the following:

$$\frac{(3.49)^2 - (1.71)^2}{3.49 - 1.71}$$

Ans

✓ A. 5.2

✗ B. 4.4

✗ C. 1.78

✗ D. 2.48

Q.31 The value of

$$\sqrt{144} + \sqrt{0.0196} - \sqrt{6.76} =$$

Ans

✓ A. 9.54

✗ B. 2.53

✗ C. 1.87

✗ D. 12.99

Q.32 Find the LCM of 10, 7 and 4.

Ans

✗ A. 280

✗ B. 7

✓ C. 140

✗ D. 1

Q.33 The ages of Ayushi and Anmol are in the ratio of 2 : 7 respectively. After 4 years the ratio of their ages will be 3 : 8. What is the difference in their present ages?

Ans

✗ A. 8

✗ B. 6

✗ C. 29

✓ D. 20

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Q.34 **Abhi sold a dress to Pari for ₹10,000. Pari sold it to Mikki at 20% profit. Mikki modified it with cost ₹,2000 and sold this dress to Sneha at a loss of 10%. The amount paid by Sneha for the dress was:**

Ans

✗ A. ₹11,950

✗ B. ₹13,000

✗ C. ₹14,200

✓ D. ₹12,600

Q.35 Find the value of $3\frac{1}{2} + 4\frac{3}{4} - 5\frac{3}{8} + 2\frac{1}{4} - 3\frac{1}{8}$.

Ans

✗ A. 5

✓ B. 4

✗ C. 3

✗ D. 2

Section : **General Intelligence and Reasoning**

Q.36 **P, Q, R, S, T, U and V are sitting around a circular table facing the centre. Only U sits between R and Q. Q sits third to the left of T. S sits to the immediate left of T. P is not an immediate neighbour of Q. How many people sit between P and U when counted from the right of U?**

Ans

✗ A. 3

✗ B. 2

✗ C. 1

✓ D. 4

Q.37 **What should come in place of the question mark (?) in the given series?**

93 182 129 161 165 140 201 119 ?

Ans

✗ A. 240

✓ B. 237

✗ C. 221

✗ D. 249

Q.38 **If '+' and '÷' are interchanged and '−' and '×' are interchanged, then what will come in place of the question mark (?) in the following equation?**

40 × 6 − 24 + 4 ÷ 5 = ?

Ans

✗ A. 10

✗ B. 5

✗ C. 12

✓ D. 9

Q.39 **In a certain code language, 'ORANGE' is coded as '321965' and 'BANANA' is coded as '496969'. What is the code for 'A' in the given code language?**

Ans

✓ A. 9

✗ B. 6

✗ C. 5

✗ D. 3

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Q.40 If '+' and '×' are interchanged and '−' and '÷' are interchanged, then what will come in place of the question mark (?) in the following equation?

32 ÷ 12 − 6 × 2 + 3 = ?

Ans
- ✔ A. 36
- ✘ B. 30
- ✘ C. 40
- ✘ D. 35

Q.41 What should come in place of the question mark (?) in the given series?

21, 34, 60, 99, 151 ?

Ans
- ✘ A. 218
- ✔ B. 216
- ✘ C. 212
- ✘ D. 214

Q.42 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:
Some sugars are jaggery.
No jaggery is honey.

Conclusions:
(I) Some sugars are honey.
(II) Some jaggery are sugars.

Ans
- ✘ A. Both conclusions (I) and (II) follow.
- ✘ B. Neither conclusion (I) nor (II) follows.
- ✘ C. Only conclusion (I) follows.
- ✔ D. Only conclusion (II) follows.

Q.43 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
KGC−GCY
YUQ−UQM

Ans
- ✔ A. WSO−SOK
- ✘ B. SNI−NJF
- ✘ C. SNI−OKG
- ✘ D. SOK−NKF

Q.44 Select the term from among the given options that can replace the question mark (?) in the following series.

MNX 62, SRZ 54, YVB 46, EZD 38, ?

Ans
- ✘ A. JDG 28
- ✔ B. KDF 30
- ✘ C. KEG 28
- ✘ D. JEF 30

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Q.45 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

MTAH UBIP CJQX KRYF ?

Ans

✗ A. SZNG

✓ B. SZGN

✗ C. SGNZ

✗ D. SGZN

Q.46 M, N, O, P, Q, and R are sitting around a circular table facing the centre. P sits to the immediate right of O. Q sits second to the right of P. R is not an immediate neighbour of P. N sits second to the right of Q. Who sits to the immediate right of R?

Ans

✗ A. P

✗ B. M

✓ C. N

✗ D. Q

Q.47 In a row of 19 students facing north, Rina is 8th from the right end. If Suni is 9th to the left of Rina, what is Suni's position from the left end of the line?

Ans

✗ A. 1. 1st

✗ B. 2. 4th

✗ C. 3. 2nd

✓ D. 4. 3rd

Q.48 P, Q, R, S, T, U and V sit around a circular table facing the centre. Only one person sits between P and Q when counted from the left of Q. U sits third to the right of T. V sits third to the left of S. U sits to the immediate right of V. R is not an immediate neighbour of V. How many people sit between R and P when counted from the right of P?

Ans

✗ A. 2

✗ B. 1

✗ C. 3

✓ D. 4

Q.49 In a certain code language,
'A + B' means 'A is the sister of B',
'A − B' means 'A is the brother of B',
'A / B' means 'A is the wife of B',
'A ! B' means 'A is the husband of B',
'A * B' means 'A is the mother of B' and
'A × B' means 'A is the father of B'.

How is M related to B if 'M / Q × T − B + S'?

Ans

✗ A. Father

✗ B. Sister

✗ C. Brother

✓ D. Mother

Q.50 In a certain code language, 'have a party' is coded as 'ds fg rt' and 'party and enjoy' is coded as 'tr ds gf'. How is 'party' coded in the given language?

Ans

✓ A. ds

✗ B. fg

✗ C. gf

✗ D. rt

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Q.51 **Daniel starts from Point A and drives 12 km towards west. He then takes a right turn, drives 8 km, turns right and drives 13 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans

✗ A. 4 km to the north

✗ B. 4 km to the south

✓ C. 3 km to the north

✗ D. 3 km to the south

Q.52 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**

DGC8 FIE12 HKG16 JMI20 ?

Ans

✗ A. LOT23

✗ B. LPI20

✗ C. ILP24

✓ D. LOK24

Q.53 **If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?**
63 ÷ 70 × 14 − 12 + 15 = ?

Ans

✗ A. 104

✗ B. 106

✓ C. 108

✗ D. 105

Q.54 **Kavish starts from Point A and drives 13 km towards East. He then takes a right turn, drives 7 km, turns right and drives 15 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)**

Ans

✗ A. 3 km to the North

✗ B. 2 km to the North

✗ C. 3 km to the South

✓ D. 2 km to the South

Q.55 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).**

Statements:

Some cats are dogs.

Some dogs are elephants.

All fishes are elephants.

Conclusions:

I. Some elephants may be cats.

II. Atleast some fishes are dogs.

Ans

✗ A. Both I and II follow

✓ B. Only I follows

✗ C. Neither I nor II follows

✗ D. Only II follows

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Q.56 **What should come in place of the question mark (?) in the given series?**

919 918 915 910 903 ?

Ans

✗ A. 896

✗ B. 893

✓ C. 894

✗ D. 895

Q.57 **Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.**

(Left) 2 / 5 6 @ 3 ? 8 3 7 6 * 7 # 2 7 * 9 \ $ 4 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

Ans

✓ A. Three

✗ B. Two

✗ C. Four

✗ D. One

Q.58 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✗ A. PR - SU

✓ B. TU - XY

✗ C. CE - FH

✗ D. JL - MO

Q.59 **Refer to the following series and answer the question (all numbers are single digit numbers only).**

(Left) 2 2 1 3 8 1 4 1 4 8 3 6 8 6 2 1 3 7 4 4 1 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by a perfect square?

Ans

✗ A. Four

✗ B. Three

✓ C. Two

✗ D. One

Q.60 **In a certain code language,**
A × B means 'A is the wife of B'
A + B means 'A is the brother of B'
A ? B means 'A is the father of B'
A ~ B means 'A is the daughter of B'
Based on the above, how is E related to Y if 'E ~ N ? J + O × Y'?

Ans

✓ A. Wife's sister

✗ B. Wife's mother

✗ C. Wife's brother

✗ D. Wife's father

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Q.61 **In a certain code language, 'DIME' is coded as '4691' and 'MADE' is coded as '9412'. What is the code for 'A' in the given code language?**

Ans

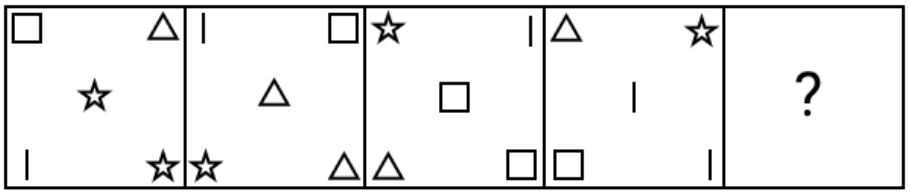
✗ A. 4

✗ B. 1

✓ C. 2

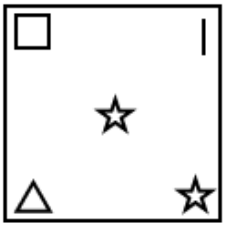
✗ D. 9

Q.62

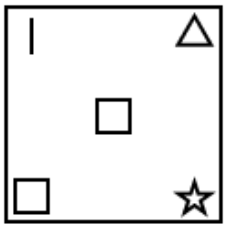


Ans

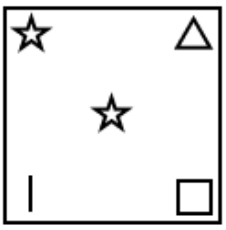
✗ A.



✗ B.



✗ C.



✓ D.



Q.63 **XZ 42 is related to ZX 41 in a certain way. In the same way, ST 35 is related to TS 34. To which of the following is QR 33 related, following the same logic?**

Ans

✓ A. RQ 32

✗ B. PQ 33

✗ C. RS 32

✗ D. RP 34

Q.64 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

✓ A. PY – IN

✗ B. QE – FV

✗ C. AO – PF

✗ D. KY – ZP

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Q.65 **Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.**
(Left) @ 5 7 ^ \ / 3 / $ % / * 2 # $ & \ / 3 > ^ (Right)
How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by another number?

Ans
- ✗ A. Two
- ✓ B. One
- ✗ C. None
- ✗ D. Three

Q.66 **Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only G is kept above D. Only two boxes are kept between D and B. Only F is kept below C. A is not kept immediately above B. How many boxes are kept between G and E?**

Ans
- ✓ A. 2
- ✗ B. 1
- ✗ C. 4
- ✗ D. 3

Q.67 **Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

12, 30
16, 38

Ans
- ✗ A. 15, 35
- ✗ B. 12, 27
- ✗ C. 11, 29
- ✓ D. 10, 26

Q.68 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:
All sparrows are dolphins.
All crows are bulbuls.
No bulbuls are sparrows.

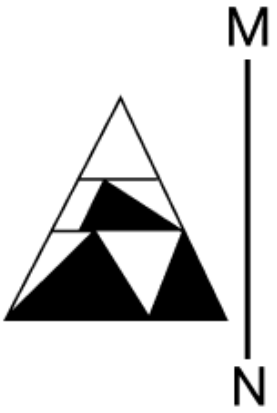
Conclusions:
(I) Some dolphins are bulbuls.
(II) No crows are sparrows.

Ans
- ✗ A. Both conclusions (I) and (II) follow.
- ✓ B. Only conclusion (II) follows.
- ✗ C. Neither conclusion (I) nor (II) follows.
- ✗ D. Only conclusion (I) follows.

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Q.69



Ans

✗ A.



✗ B.



✓ C.



✗ D.



Q.70 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

CUS : EQV
EYA : GUC

Ans

✗ A. IHM : GDO

✓ B. VIK : XEM

✗ C. AVI : CRG

✗ D. PCM : RGO

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Q.71 **Match the following.**
Indus Valley Civilisation Site Excavator
(A). Harappa I. R Rao
(B). Dholavira II. JP Joshi
(C). Surkotada III. RS Bisht
(D). Lothal IV. Daya Ram Sahini

Ans
✗ A. A-III; B-I; C-IV; D-II
✓ B. A-IV; B-III; C-II; D-I
✗ C. A-I; B-III; C-II; D-IV
✗ D. A-II; B-IV; C-III; D-I

Q.72 **Which Article of the Indian Constitution allows the State to make special provisions for the advancement of any socially and educationally backward class?**

Ans
✗ A. Article 16
✗ B. Article 17
✓ C. Article 15
✗ D. Article 18

Q.73 **Which of the following crops increases the natural fertility of soils through nitrogen fixation?**

Ans
✗ A. Root vegetables
✗ B. Cereal grains
✗ C. Oilseeds
✓ D. Pulses

Q.74 **What was the Goods and Services Tax (GST) collection for India in September 2024?**

Ans
✗ A. ₹1,70,500 crore
✗ B. ₹1,80,000 crore
✗ C. ₹1,65,000 crore
✓ D. ₹1,73,240 crore

Q.75 **During the winter months, the weather conditions in India are primarily influenced by the high-pressure system over which region?**

Ans
✗ A. Central and Southern Europe
✓ B. Central and Western Asia
✗ C. Central and Eastern Asia
✗ D. Central and Western Australia

Q.76 **Which of the following are the two main fibre crops grown in India?**

Ans
✗ A. Wool and Silk
✗ B. Flax and Hemp
✓ C. Cotton and Jute
✗ D. Rayon and Nylon

Q.77 **Emani Sankara Sastry is known for playing which of the following musical instruments in India?**

Ans
✗ A. Sitar
✗ B. Been
✗ C. Tabla
✓ D. Veena

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Q.78 **The Indian Army conducted which of the following Multilateral Annual Joint Humanitarian Assistance and Disaster Relief (HADR) Exercises at Ahmedabad and Porbandar in November 2024?**

Ans

✗ A. Operation Kaveri

✗ B. Operation Karuna

✓ C. Sanyukt Vimochan 2024

✗ D. Operation Vijay 2024

Q.79 **Which Schedule of the Indian Constitution deals with languages?**

Ans

✓ A. Eighth Schedule

✗ B. Tenth Schedule

✗ C. Sixth Schedule

✗ D. Twelfth Schedule

Q.80 **After which of the following wars did the British company rule formally begin in India?**

Ans

✗ A. Second Carnatic War

✓ B. Battle of Plassey

✗ C. Battle of Buxar

✗ D. Third Battle of Panipat

Q.81 **What was HDFC Bank's net interest margin (NIM) for Q2 FY25?**

Ans

✗ A. 3.50%

✗ B. 3.55%

✗ C. 3.47%

✓ D. 3.46%

Q.82 **Which of the following vegetation types are common in the Thar desert?**

Ans

✗ A. Mangroves

✗ B. Tropical evergreen forests

✗ C. Dense temperate forests

✓ D. Xerophytic shrubs and grasses

Q.83 **The 29th Conference of Parties (COP-29) of the United Nations Framework Convention on Climate Change from 11–22 November 2024 was held in _____.**

Ans

✗ A. Italy

✓ B. Azerbaijan

✗ C. India

✗ D. Canada

Q.84 **To which political party does Omar Abdullah, who became the Chief Minister of Jammu and Kashmir after the abrogation of Article 370, belong?**

Ans

✗ A. Jammu and Kashmir National Panthers Party

✓ B. National Conference

✗ C. Indian National Congress

✗ D. People's Democratic Party

Q.85 **Real gases deviate from the ideal gas law because of intermolecular interactions among their molecules. Which of the following statements is correct regarding the pressure of a real gas compared to the ideal gas pressure?**

Ans

✗ A. The pressure of real gas increases by a correction term which is inversely proportional to square of the volume.

✗ B. The pressure of real gas increases by a correction term which is directly proportional to the square of the volume.

✗ C. The pressure of real gas decreases by a correction term which is directly proportional to the square of the volume.

✓ D. The pressure of real gas decreases by a correction term which is inversely proportional to the square of the volume.

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Q.86 **The Golden Quadrilateral Project of Government of India was launched in the year 2001, this project aimed at development of _____.**

Ans

✗ A. waterways

✓ B. highways

✗ C. railways

✗ D. airports

Q.87 **When did the revolt of 1857 start?**

Ans

✗ A. 11 June 1857

✗ B. 10 June 1857

✗ C. 11 May 1857

✓ D. 10 May 1857

Q.88 **Government of India introduced the gender budget statement for the first time in the year _____.**

Ans

✗ A. 2001-2002

✗ B. 2004-2005

✓ C. 2005-2006

✗ D. 2002-2003

Q.89 **Khelo India Rising Talent Identification (KIRTI) programme was inaugurated at which place in March 2024 with an aim to hunt sporting talents in school children between 9 and 18 years of age?**

Ans

✗ A. Lucknow

✓ B. Chandigarh

✗ C. Dehradun

✗ D. New Delhi

Q.90 **Which organisation partnered with NABARD to organise the 'Climate Changemakers' dialogue in August 2024?**

Ans

✗ A. International Monetary Fund

✓ B. Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

✗ C. World Bank

✗ D. United Nations

Q.91 **In which of the following states is Sanchi Stupa currently situated?**

Ans

✓ A. Madhya Pradesh

✗ B. Rajasthan

✗ C. Chhattisgarh

✗ D. Odisha

Q.92 **Who among the following founded the secret Congress Radio, which broadcast messages of independence and anti-British propaganda and made significant contributions to the freedom struggle?**

Ans

✓ A. Usha Mehta

✗ B. Aruna Roy

✗ C. Sunitha Krishnan

✗ D. Kalpana Datta

Q.93 **What is the main focus of Article 356 of the India Constitution?**

Ans

✗ A. Fundamental duties

✗ B. National emergency

✓ C. President's rule in states

✗ D. Special provisions for Jammu and Kashmir

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Q.94 **In 2011, the sex ratio (number of females per 1000 males) at all India level was 943 and the same for rural areas was _____.**

Ans
- ✗ A. 952
- ✓ B. 949
- ✗ C. 929
- ✗ D. 931

Q.95 **What is the GDP growth forecast for India in FY 2025-26, according to the International Monetary Fund (IMF)?**

Ans
- ✗ A. 6.8%
- ✓ B. 6.5%
- ✗ C. 6.0%
- ✗ D. 6.3%

Q.96 **Which Constitutional Amendment conferred the constitutional status upon the National Commission for Scheduled Tribes (NCST)?**

Ans
- ✗ A. 1. 101st Amendment Act
- ✗ B. 2. 102nd Amendment Act
- ✗ C. 3. 85th Amendment Act
- ✓ D. 4. 89th Amendment Act

Q.97 **What was a key feature of the economic reforms in India after 1991?**

Ans
- ✓ A. Liberalisation of trade policies
- ✗ B. Decreased private sector involvement
- ✗ C. Strict control over foreign investments
- ✗ D. Nationalisation of industries

Q.98 **Which of the following states is known for extensive cultivation of coffee in India?**

Ans
- ✗ A. Maharashtra
- ✗ B. Assam
- ✗ C. Punjab
- ✓ D. Karnataka

Q.99 **In August 2024, which state assembly passed Compulsory Registration of Muslim Marriages and Divorces Bill, 2024?**

Ans
- ✗ A. Uttar Pradesh
- ✗ B. Meghalaya
- ✓ C. Assam
- ✗ D. Himachal Pradesh

Q.100 **How many biotech products were launched by Indian startups at the Global Bio-India held in September 2024, highlighting the country's emerging talent in bioscience?**

Ans
- ✗ A. 7
- ✗ B. 14
- ✓ C. 11
- ✗ D. 5

Q.101 **Under whose leadership did the British forces suppress the Revolt of 1857 in Kanpur?**

Ans
- ✗ A. Colonel Oncell
- ✗ B. General Hugh Rose
- ✓ C. Sir Colin Campbell
- ✗ D. John Nicholson

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Q.102 **Who among the following first demanded Swaraj, or self-rule, as the goal of the Indian National Congress at the 1906 Calcutta session?**

Ans
- ✔ A. Dadabhai Naoroji
- ✘ B. Subhas Chandra Bose
- ✘ C. AO Hume
- ✘ D. Bal Gangadhar Tilak

Q.103 **Example of a gaseous conductor is _____.**

Ans
- ✘ A. oxygen
- ✘ B. nitrogen
- ✘ C. argon
- ✔ D. wet air

Q.104 **The Government of India initiated and announced the policy of Special Economic Zones to attract foreign investments in business. This was announced in the year _____.**

Ans
- ✘ A. 2002
- ✘ B. 2007
- ✘ C. 2005
- ✔ D. 2000

Q.105 **In August 2024, The Madras High Court declared which of the following Sections unconstitutional?**

Ans
- ✘ A. Section 123 of the Registration Act
- ✘ B. Section 45 of the Registration Act
- ✔ C. Section 77-A of the Registration Act
- ✘ D. Section 50 of the Registration Act

Q.106 **A macromolecule consisting of ten or more monosaccharide units linked together by glycosidic bonds is called:**

Ans
- ✔ A. a polysaccharide
- ✘ B. an oligosaccharide
- ✘ C. a monosaccharide
- ✘ D. a disaccharide

Q.107 **The frequency and paths of the tropical depressions originating from the Bay of Bengal are mainly determined by the position of which of the following?**

Ans
- ✘ A. Tropic of Cancer
- ✔ B. Inter-Tropical Convergence Zone (ITCZ)
- ✘ C. Tropic of Capricorn
- ✘ D. Equator

Q.108 **Which of the following is true regarding the removal of a judge of a High Court in India?**

Ans
- ✘ A. The procedure for removal of a High Court judge differs from that of a Supreme Court judge.
- ✘ B. A judge can be removed on any grounds as decided by the President.
- ✔ C. A judge can only be removed after an address from Parliament, supported by a special majority.
- ✘ D. The President can remove a judge without any parliamentary involvement.

Q.109 **The word 'Veda' is derived from which of the following root words?**

Ans
- ✔ A. Vid
- ✘ B. Vedi
- ✘ C. Vit
- ✘ D. Ved

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Q.110 **Which of the following sacred texts provide(s) most of the information about the social and economic life of the early Vedic period?**

Ans

✗ A. Upnishadas

✓ B. Vedas

✗ C. Mahabhatarta

✗ D. Ramayana

Q.111 **What is the name given to India's first-ever AI teacher robot launched in a Kerala school in March 2024?**

Ans

✓ A. Iris

✗ B. Sophia

✗ C. Shalu

✗ D. Vidya

Q.112 **Which Article of the Indian Constitution provides for the promotion of international peace and security as a directive principle?**

Ans

✓ A. Article 51

✗ B. Article 48

✗ C. Article 44

✗ D. Article 41

Q.113 **What was the main objective of the Special Campaign 4.0 launched by the Department of Financial Services in October 2024?**

Ans

✗ A. To attract foreign investments

✗ B. To enhance employee productivity

✗ C. To increase revenue

✓ D. To minimise pendency and institutionalise Swachhata

Q.114 **Which Article states that the State shall strive to promote the welfare of the people?**

Ans

✗ A. Article 39

✗ B. Article 36

✓ C. Article 38

✗ D. Article 40

Q.115 **1 kg L^{-1} = _____ g cm^{-3}**

Ans

✗ A. 10

✗ B. 100

✗ C. 1000

✓ D. 1

Q.116 **India's first bullet train project is under construction between which of the following cities?**

Ans

✗ A. Mumbai - Bangalore

✓ B. Ahmedabad - Mumbai

✗ C. Delhi - Lucknow

✗ D. Chennai - Hyderabad

Q.117 **Which of the following statements about Gay-Lussac's Law is correct?**

Ans

✗ A. The total pressure of a mixture of gases is equal to the sum of the partial pressures of the individual gases.

✓ B. The pressure of a given mass of gas is directly proportional to its absolute temperature at constant volume.

✗ C. The volume of a gas is directly proportional to its temperature at constant pressure.

✗ D. The pressure of a gas is inversely proportional to its volume at constant temperature.

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Q.118 **Meerananda Barthakur is a famous ____ dancer.**

Ans

✗ A. Kathak

✗ B. Manipuri

✓ C. Sattriya

✗ D. Kuchipudi

Q.119 **Cherrapunji and Mawsynram (receive annual rainfall exceeding 1,080 cm) are located in which hills of Meghalaya?**

Ans

✗ A. Garo hills

✓ B. Khasi hills

✗ C. Shillong hills

✗ D. Jaintia hills

Q.120 **Which two countries signed Bilateral Investment Treaty (BIT) on 27 September 2024 to boost investor confidence and enhance economic cooperation?**

Ans

✗ A. South Korea and France

✓ B. India and Uzbekistan

✗ C. USA and Philippines

✗ D. Sri Lanka and Kenya

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