रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

RRB NTPC 2019 CBT-2 Level 5

Non-Technical Popular Categories | CEN 01/2019 | CBT-2 | Pay Level 5

ENGLISH ANSWER KEY

Official Answer Key

All 5 Shifts · 12-06-2022 to 15-06-2022

Questions	120
Marking	+1 correct / -1/3 wrong
Duration	90 minutes
Sections	Maths 35 · Reasoning 35 · GA 50

Every paper is set out as the official RRB response sheet, typed from the saved paper, with the official answer key marked. No candidate details are included.

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. The correct option is ticked in green; the other options are crossed in red.
4. Use the bookmarks panel of your PDF reader to move between shifts.

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Score & Rank Calculator · rank.qmaths.in

Compiled 02 November 2026

INDEX · Click any row to open that paper

RRB NTPC 2019 CBT-2 Level 5 (English) · 5 shifts

DAY	DATE	SHIFT	TIME	PAGE
Day 1	**12-06-2022**	Shift 1	09:00 - 10:30	**3**
Day 1	**12-06-2022**	Shift 2	12:45 - 14:15	**24**
Day 2	**15-06-2022**	Shift 1	09:00 - 10:30	**45**
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Day 2	**15-06-2022**	Shift 3	16:30 - 18:00	**88**

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सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	12/06/2022
Test Time	9:00 AM - 10:30 AM
Subject	NTPC

*** 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 : **NTPC**

Q.1 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

A_ _BD_CEB_ _CEB_

Ans
- ✔ A. CEADAD
- ✘ B. CDADEA
- ✘ C. CADADE
- ✘ D. CDAEAD

Q.2 If $\sqrt{3}\ tan\ 2\theta - 3 = 0$, then find the value of $\tan\theta \sec\theta - \sin\theta$ where $0 < \theta < 90°$

Ans
- ✘ A. $\frac{2}{3}$
- ✘ B. $\frac{5}{6}$
- ✘ C. $\frac{7}{6}$
- ✔ D. $\frac{1}{6}$

Q.3 Which of the following is NOT an example of rocks?

Ans
- ✔ A. Asphalt
- ✘ B. Granite
- ✘ C. Basalt
- ✘ D. Schist

Q.4 If $6y^2 - 13y + 6 = 0$, then find the product of the two roots of the equation.

Ans
- ✘ A. $\frac{13}{6}$
- ✘ B. -1
- ✔ C. 1
- ✘ D. $\frac{-13}{6}$

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Q.5 Who laid the foundation stone of Shri Parvati Temple at Somnath in August 2021?

Ans
- ✗ A. Amit Shah
- ✓ B. Narendra Modi
- ✗ C. Vijay Rupani
- ✗ D. Bhupendra Patel

Q.6 In which of the following years was the Bengal State Prisoners Regulation (Bengal Regulation III) passed?

Ans
- ✓ A. 1818
- ✗ B. 1857
- ✗ C. 1812
- ✗ D. 1876

Q.7 Which Article of the Indian Constitution is related with the oath or affirmation by judges of high courts?

Ans
- ✗ A. 187
- ✗ B. 256
- ✗ C. 231
- ✓ D. 219

Q.8 Where was the first 'Open Rock Museum' inaugurated by the Union Minister of State for Science & Technology and Earth Sciences, on January 6, 2021?

Ans
- ✗ A. Kochi
- ✗ B. Bhubaneshwar
- ✓ C. Hyderabad
- ✗ D. Guwahati

Q.9 With reference to the Green Revolution in India, what is the full form of HYVP?

Ans
- ✗ A. High-Yielding Varieties Plants
- ✗ B. High-Yielding Varieties Pattern
- ✓ C. High-Yielding Varieties Programme
- ✗ D. High-Yielding Varieties Patent

Q.10 Two chords AB and CD of a circle intersect at a point F outside the circle.

If AF = 12 cm, BF = 4 cm and CF = 16 cm, find the length of CD.

Ans
- ✗ A. 10 cm
- ✓ B. 13 cm
- ✗ C. 12 cm
- ✗ D. 11 cm

Q.11 Valley of the Kings – one of the most important archaeological sites in the world is located in _____.

Ans
- ✗ A. Norway
- ✗ B. Turkey
- ✗ C. Thailand
- ✓ D. Egypt

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Q.12 The Sattriya dance form was introduced by _____ in 15th Century AD in Assam.

Ans

✗ A. Guru Pankaj Charandas

✗ B. Raja Bhag Chandra

✗ C. Jayaprabha Menon

✓ D. Mahapurusha Srimanta Sankaradeva

Q.13 The amount payable on maturity of a certain sum which is invested for 5 years at a certain rate per cent p. a. is ₹9,800 and the amount payable on the same sum invested for 10 years at the same rate is ₹12,600. If simple interest is offered in both cases, the rate of interest p. a. is:

Ans

✗ A. 7.8%

✓ B. 8%

✗ C. 8.5%

✗ D. 10%

Q.14 In a certain code language, 'cip civ cin' is written as 'life is good', 'cip cin er' is written as 'love is life'. How will 'love' be written as in that language?

Ans

✗ A. cin

✗ B. oob

✓ C. er

✗ D. cip

Q.15 Which of the following states has zero Scheduled Tribe population as per Census 2011?

Ans

✓ A. Punjab

✗ B. Assam

✗ C. Maharashtra

✗ D. West Bengal

Q.16 Read the given statements and conclusions carefully. Decide which of the given conclusion/s follow based on the statements.

Statements: P > Z, N < T , M > N, Z > M

Conclusions:

I. P < T

II. N < Z

Ans

✗ A. Only I is true

✗ B. Neither I nor II is true

✗ C. Both I and II are true

✓ D. Only II is true

Q.17 A sum of money at certain rate of interest when compounded annually becomes ₹625 in 3 years and ₹675 in 4 years. What is the rate of Interest per annum?

Ans

✗ A. 6%

✓ B. 8%

✗ C. 7%

✗ D. 4%

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Q.18 The area of a rectangle is 453.6 m^2. If its length is 27 m, then what is the perimeter of the rectangle?

Ans

✔ A. 87.6 m

✘ B. 85.4 m

✘ C. 89.8 m

✘ D. 86.6 m

Q.19 Indian men's hockey team won bronze medal by defeating which country in Tokyo 2020 Summer Olympics in August 2021?

Ans

✘ A. Netherland

✔ B. Germany

✘ C. Belgium

✘ D. Australia

Q.20 A solid metallic sphere of radius 3 cm is melted and drawn into a wire of thickness 4 mm. What is the length of the wire (in m)?

Ans

✘ A. 9.25

✘ B. 7.5

✔ C. 9

✘ D. 8

Q.21 SPIC MACAY (Society for the Promotion of Indian Classical Music And Culture Amongst Youth) is a non-political, nationwide, voluntary movement founded in _____.

Ans

✘ A. 1970

✔ B. 1977

✘ C. 1973

✘ D. 1979

Q.22 Evaluate $\frac{\cos^2(45°+\theta)+\cos^2(45°-\theta)}{\text{cosec}^2 30° \sin^2 45° - \sec^2 60°}$.

Ans

✘ A. $\frac{1}{2}$

✘ B. $\frac{1}{6}$

✔ C. $-\frac{1}{2}$

✘ D. $-\frac{1}{6}$

Q.23 In 2019, archaeologists unearthed a rare treasure in the form of a life-sized stucco sculpture from _____, a Buddhist site which represents one of the Bhodhisattvas in Jathaka Chakra.

Ans

✔ A. Phanigiri

✘ B. Udayagiri

✘ C. Sarnath

✘ D. Khandgiri

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Q.24 Swetha correctly remembers that Ajay's exam is before Friday but after Tuesday. Kavya correctly remembers that Ajay's exam is after Wednesday but before Saturday. On which of the following days does Ajay's exam correctly fall?

Ans

✗ A. Tuesday

✓ B. Thursday

✗ C. Wednesday

✗ D. Monday

Q.25 A circular racing track has been developed in a field. If the difference between the outer circumference and the inner circumference of the racing track is 33 m, then find the width of the track (in m).

$\left(Use\ \pi = \frac{22}{7}\right)$

Ans

✗ A. $5\frac{1}{5}$

✓ B. $5\frac{1}{4}$

✗ C. $5\frac{3}{4}$

✗ D. $4\frac{3}{4}$

Q.26 Who became the first Indian female athlete to win two individual Olympic medals?

Ans

✗ A. Mirabai Chanu

✗ B. Dutee Chand

✗ C. Ankita Raina

✓ D. PV Sindhu

Q.27 Read the given statements and conclusions carefully. Decide which of the given conclusions is/are true based on the statements.

Statements:

K = P < C; P > Q; Q > L

Conclusions:

I. Q < C

II. K > L

Ans

✗ A. Only conclusion I is true

✓ B. Both conclusions I and II are true

✗ C. Only conclusion II is true

✗ D. Neither conclusion I nor II is true

Q.28 Who among the following is the supreme commander of the Indian armed forces?

Ans

✗ A. Defence Minister

✗ B. Prime Minister

✓ C. President

✗ D. Speaker of Lok Sabha

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Q.29 A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

Question:

How is Damini related to Bhola?

Statements:

I. Tika has only one son, Bhola and only one daughter, Kamala.
II. Damini is Roma's son's wife. Kamala is the only daughter of Roma. Meghan is the daughter of Bhola.

Ans

✗ A. Statement I alone is sufficient, while Statement II alone is not sufficient to answer the question.

✗ B. Statements I and II together are not sufficient to answer the question.

✓ C. Both Statements I and II together are sufficient to answer the question.

✗ D. Statement II alone is sufficient, while Statement I alone is not sufficient to answer the question.

Q.30 A sum of ₹9,800 was invested for a year at 10% interest per annum, compounded half-yearly. What would been the interest payable at the end of the year?

Ans

✓ A. ₹1,004.50

✗ B. ₹1,003.50

✗ C. ₹1,005.60

✗ D. ₹980

Q.31 In the data set given below, what is the difference between the Median and the Mode?

{2.1, 5, 6, 7, 8, 9.3 ,11 ,15 ,17 ,19.21 ,27 ,31 ,31 ,33 ,16.5 ,14 ,10}

Ans

✗ A. 10

✓ B. 17

✗ C. 15

✗ D. 19

Q.32 Ravi has to go from Hyderabad to Delhi. The distance between Hyderabad and Delhi is 1,200 kms. He decides to travel 25% of the distance on foot, 30% of the distance by bus, 15% of the distance by train and the remaining distance by an airplane. What is the distance travelled by Ravi by an Airplane?

Ans

✗ A. 425 km

✗ B. 580 km

✓ C. 360 km

✗ D. 300 km

Q.33 BYTEW is related to YWTEB following a certain logic. Following the same logic, AMFQC is related to QMFCA. Which of the following is TILDW related to following the same logic?

Ans

✗ A. LTIWD

✗ B. WLITD

✓ C. WTLID

✗ D. WILDT

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Q.34 The spring festival celebrated by Konyak tribe of Nagaland is known as ____.

Ans

✗ A. Mopin

✗ B. Garia Pooja

✓ C. Aoleang Monyu

✗ D. Myoko

Q.35 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 men are robots.

All robots are machines.

Conclusions:
I. All machines are men.
II. Some robots are men.

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.36 A can complete 12% of the work in 15% of the allotted time. A and B worked for the entire period of the allotted time and the work got completed on time. What portion of the work was done by B?

Ans

✗ A. 10%

✓ B. 20%

✗ C. 25%

✗ D. 15%

Q.37 Ramdin started from his office and walked 15 km in the south direction and reached the bus stop, and then turned to his left and walked 8 km straight on the road. From there, he turned to his left, walked 15 km and reached the Central Library. After this, he turned to his left again and walked 4 km to reach his hostel. How far and in which direction is the hostel with respect to his office?

Ans

✓ A. 4 km towards East

✗ B. 4 km towards West

✗ C. 7 km towards South

✗ D. 12 km towards North

Q.38 In a certain code language, each word is given a number code. Accordingly, 1875 means 'wound the round watch', 6143 means 'a cake is round', and 7321 means 'watch a round wheel'. Find the code for 'watch'.

Ans

✗ A. 8

✗ B. 1

✓ C. 7

✗ D. 5

Q.39 A certain sum amounts to ₹22,494 in 7 years at x% per annum on simple interest. If the rate of simple interest per annum had been (x + 4)%, the amount payable after 7 years would have been ₹25,917. Find the sum invested.

Ans

✗ A. ₹12,275

✗ B. ₹12,175

✗ C. ₹11,975

✓ D. ₹12,225

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Q.40 In a mixture of 90 litres, the ratio of milk to water is 4 : 1. In another mixture of 90 litres, the ratio of milk to water is 3 : 2. What is the positive difference between the quantities of milk in the two mixtures?

Ans

✔ A. 18 litres

✘ B. 22 litres

✘ C. 23 litres

✘ D. 16 litres

Q.41 Who received the World Food Prize 2021, for unlocking the benefits of fish for diet, health and livelihood Across the Global South?

Ans

✔ A. Dr Shakuntala Haraksingh Thilsted

✘ B. Dr Modadugu Vijay Gupta

✘ C. Dr Rattan Lal

✘ D. Dr Sanjaya Rajaram

Q.42 If 32% of $22.5 - \frac{2}{3} \times \sqrt[3]{512} \times \sqrt{81} = y$, then the value of y is:

Ans

✘ A. –41.2

✘ B. –40.2

✔ C. –40.8

✘ D. –41.8

Q.43 During the Mauryan reign which of the following provinces was considered as the gold mine hub in Karnataka?

Ans

✘ A. Taxila

✘ B. Ujjayini

✘ C. Tosali

✔ D. Suvarnagiri

Q.44 Ten people are sitting in two parallel rows 1 and 2. A, B, C, D and E are sitting in row 1 facing the North and V, W, X, Y and Z are sitting in row 2 facing the South, in such a way that each member in row 1 faces a member of row 2.
Neither A nor B sit at any of the extreme ends of the row. A sits second to the right of B. The one who faces B is an immediate neighbour of Z. Y sits second to the left of Z. The one who faces Y sits second to the left of C. W sits second to the right of V. D is not an immediate neighbour of A.
Who faces E?

Ans

✘ A. X

✘ B. V

✘ C. W

✔ D. Y

Q.45 The surface area of a sphere is 61600 sq. cm. Find the volume of the sphere (in cu m). [Use $\pi = \frac{22}{7}$]

Ans

✘ A. $\frac{43.12}{3}$

✔ B. $\frac{4.312}{3}$

✘ C. 43.12

✘ D. 4.312

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Q.46 In a class, four students ranked between Rahul and Sreeja. Sreeja ranked 14th from the top while Rahul ranked 7th from the bottom. How many students are there in the class?

Ans

✗ A. 26
✗ B. 21
✗ C. 20
✓ D. 25

Q.47 Rubi and Juhi are sisters. Krishna is Juhi's father's father. Reshma is the mother of Arvind. Arvind is the father of Rohit, who is the only brother of Rubi. How is Krishna related to Rohit?

Ans

✓ A. Father's father
✗ B. Father
✗ C. Mother's brother
✗ D. Mother's father

Q.48 'Huli Vesha' is a popular folk dance in the coastal region of _____.

Ans

✓ A. Karnataka
✗ B. Gujarat
✗ C. Kerala
✗ D. Odisha

Q.49 In a certain code language, 'MISTAKE' is written as 'LHRUBLF' and 'PROBLEM' is written as 'OQNCMFN'. How will 'STRANGE' be written in that language?

Ans

✓ A. RSQBOHF
✗ B. RSQBMFD
✗ C. TUSBMFD
✗ D. TUSAOHF

Q.50 There are 3 badminton players in each stream -Commerce, Science and Arts. A, B and C are from Commerce. P, Q and R are from Science. J, K and L are from Arts. A team of 4 badminton players are to be sent for a tournament with following conditions:

(i) There must be at least one student from each stream.

(ii) P will not go with Q or R.

(iii) A and C will always go together.

(iv) K and L will always go together.

Which of the following combinations of players is a possible combination for the tournament?

Ans

✓ A. A, C, P and J
✗ B. B, P, R and J
✗ C. B,Q, J and K
✗ D. A, Q, R and J

Q.51 A shopkeeper mixes 30 kg of rice which he purchased at ₹30/kg and 40 kg of rice which he purchased at ₹28/kg and he sells the entire mixture at ₹28/kg. What is the profit or loss percentage (approximated to nearest integer)?

Ans

✓ A. 3% loss
✗ B. 5% profit
✗ C. 7% profit
✗ D. 6% loss

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Q.52 What is the smallest cubic number, which is divisible by 72, 108 and 300?

Ans

✗ A. 5400

✓ B. 27000

✗ C. 3375

✗ D. 21600

Q.53 In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

Ans

✗ A. 17 : 272

✗ B. 21 : 420

✗ C. 25 : 600

✓ D. 15 : 208

Q.54 The sum of two numbers is 17 while the sum of their squares is 157. Find the sum of the cubes of those two numbers.

Ans

✓ A. 1547

✗ B. 3791

✗ C. 1491

✗ D. 3094

Q.55 The following question is based on the given words.

PLAN FORE RAMP RANG SAND

If in each word, the fourth letter is changed to the next letter in the English alphabetical order, how many letter clusters thus formed will have two vowels?

Ans

✗ A. One

✗ B. None

✓ C. Two

✗ D. Three

Q.56 Which type of missile was the Python-5 test fired by DRDO in April 2021?

Ans

✗ A. Air-to-Surface Missile

✗ B. Surface-to-Surface Missile

✓ C. Air-to-Air Missile

✗ D. Anti-radiation Missile

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Q.57 Study the given information carefully and answer the question that follows.

In a boat, people are sitting in two parallel rows, with five people each in a row, in such a way that there is equal distance between adjacent persons.

In the first row, Mani, Nani, Alex, Puri and Tuli are seated (not necessarily in the same order) and all of them are facing south.

In the second row, Sharma, Atkin, Putin, Neha and Priya are seated (not necessarily in the same order) and all of them are facing north.

Therefore, people in the opposite rows face each other in this arrangement. Priya sits third to the right of Atkin. Atkin sits at one of the extreme ends. Sharma sits second to the left of Priya. The person facing Sharma sits to the immediate right of Nani. Puri sits second to left of Nani. Mani is not an immediate neighbour of Nani. Only two people sit between Mani and Alex. Neither Nani nor Mani faces Neha.

Who among the following is facing Tuli?

Ans
- ✔ A. Sharma
- ✘ B. Neha
- ✘ C. Priya
- ✘ D. Atkin

Q.58 In each of the given number-clusters, the number on the right side of '=' (the equal to sign)is calculated by performing certain mathematical operations on the three numbers on the left of '=' (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

21, 9 , 40 = 149

18, 7, 25 = 101

15, 11, 30 = ?

Ans
- ✔ A. 135
- ✘ B. 125
- ✘ C. 110
- ✘ D. 120

Q.59 Into how many books is the Akbar Nama divided?

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

Q.60 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

67.96 + 5.12 – 0.89 ÷ 31.88 = ?

Ans
- ✔ A. 73
- ✘ B. 48
- ✘ C. 35
- ✘ D. 150

Q.61 Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and the second letter-cluster is related to the first letter-cluster.

EYBRD : VBYIW :: DAJKO : WZQPL :: JEWAD : ?

Ans
- ✘ A. KRESD
- ✔ B. QVDZW
- ✘ C. VRTYU
- ✘ D. MHREA

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Q.62 Alha singing is a prominent genre of folk songs of some parts of:

Ans

✗ A. Punjab

✓ B. Uttar Pradesh

✗ C. Odisha

✗ D. Assam

Q.63 The Sanskrit drama 'Ratnavali', about the love story of Princess Ratnavali is said to have been written by _____.

Ans

✓ A. Harsha

✗ B. Bhavabhuti

✗ C. Kalidasa

✗ D. Vishakhadutta

Q.64 Which Five-Year Plan aimed at accelerating food grain production, increasing employment opportunities and raising productivity with focus on 'food, work and productivity'?

Ans

✗ A. Fourth

✗ B. Sixth

✗ C. First

✓ D. Seventh

Q.65 From the given options, which two numbers should be interchanged so that the value of Y becomes 29?

$6 \times 4 - 5 + 9 \div 3 = Y$

Ans

✗ A. 5 and 3

✗ B. 6 and 9

✗ C. 9 and 3

✓ D. 4 and 5

Q.66 An information is given, followed by two statements labelled I and II. Identify which of the statements is/are possible reason(s) behind the given information.

Information:

This year, schools will have to operate on a hybrid model i.e. online as well physical school.

Statements:

I. Many parents are still not willing to send their children to places with large gatherings owing to a pandemic

II. In schools, seating capacity will not be adequate to accommodate all the enrolled students owing to the social distancing norms.

Ans

✗ A. Neither statement I nor II is a possible reason.

✗ B. Only statement II is a possible reason.

✓ C. Both statements I and II are possible reasons.

✗ D. Only statement I is a possible reason.

Q.67 Sudhir is 4.5 times as efficient as Aarav. If they work together, they can complete a piece of work in 8 days. How many days will Aarav take to do the same work alone?

Ans

✗ A. 36

✗ B. 48

✗ C. 40

✓ D. 44

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Q.68 As of February 2022, how many elements are there in the Modern Periodic Table?

Ans
- ✗ A. 108
- ✗ B. 148
- ✓ C. 118
- ✗ D. 138

Q.69 The intervention by the monetary authority of a country in the money market to keep the money supply stable against external shocks is called ____.

Ans
- ✗ A. speculative demand
- ✗ B. statutory liquidity
- ✓ C. sterilisation
- ✗ D. reserve deposit

Q.70 Which of the following economic activities falls under the primary sector?

Ans
- ✗ A. Banking
- ✓ B. Mining
- ✗ C. Manufacturing
- ✗ D. Education

Q.71 The First Human Development Report was published by the United Nations Development Programme (UNDP) in the year ____.

Ans
- ✗ A. 1980
- ✗ B. 1905
- ✓ C. 1990
- ✗ D. 1945

Q.72 A family spends ₹4,600, ₹5,600, ₹4,800, ₹3,800, and ₹6,000 on groceries in the first 5 months of a year. How much should the family spend in the 6^{th} month to make the 6 months average spending of the family on groceries to ₹4,500?

Ans
- ✓ A. ₹2,200
- ✗ B. ₹4,500
- ✗ C. ₹3,650
- ✗ D. ₹3,500

Q.73 Find the product of the greatest among the numbers 0.82, 0.802, 0.85, 0.085 with the smallest among the numbers 0.3, 0.03, 0.203, 2.03

Ans
- ✓ A. 0.0255
- ✗ B. 0.246
- ✗ C. 0.0225
- ✗ D. 0.2406

Q.74 When we divide NNP (Net national product) by the total population of a nation we get _____.

Ans
- ✗ A. Gross National Product
- ✗ B. resource growth
- ✓ C. per capita income
- ✗ D. external dividend

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Q.75 The reproductive parts in animals produce male and female gametes that fuse to form a:

Ans
- ✗ A. Ovum
- ✓ B. Zygote
- ✗ C. Embryo
- ✗ D. Foetus

Q.76 Which of the following keyboard shortcut is used to lock your Windows 10 PC?

Ans
- ✗ A. Ctrl + K
- ✗ B. Windows logo key + K
- ✗ C. Ctrl + L
- ✓ D. Windows logo key + L

Q.77 How many gold medals did India win in the Asian Junior Boxing Championship 2021 in Dubai?

Ans
- ✗ A. Seven
- ✗ B. Six
- ✓ C. Eight
- ✗ D. Five

Q.78 _____ is defined as the output per unit of variable input.

Ans
- ✗ A. Capital products
- ✗ B. Net product
- ✗ C. Gross product
- ✓ D. Average product

Q.79 Six people A, B, C, D, E and F are sitting around a circular table facing the centre. C sits second to the left of B. E is an immediate neighbour of B. F sits third to the left of E. D sits second to the left of A.
Who sits to the immediate right of A?

Ans
- ✓ A. C
- ✗ B. B
- ✗ C. E
- ✗ D. F

Q.80 What is the default alignment of numbers in an Excel worksheet?

Ans
- ✗ A. Justify
- ✗ B. Center
- ✗ C. Left
- ✓ D. Right

Q.81 In a certain code language, 'RICE' is coded as '5136', 'FUR' is coded as '327', and 'FIN' is coded as '785'. How will 'FUN' probably be coded in that language?

Ans
- ✗ A. 718
- ✗ B. 182
- ✓ C. 872
- ✗ D. 258

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Q.82 The LCM of two numbers is 20 times their HCF, and the sum of the LCM and the HCF is 504. If the difference of the numbers is 24, then find the sum of the numbers.

Ans

✗ A. 210

✗ B. 180

✓ C. 216

✗ D. 225

Q.83 Which of the following numbers is divisible by 30?

Ans

✗ A. 45670

✗ B. 12340

✓ C. 34560

✗ D. 23450

Q.84 Which of the following lakes is a brackish water lake?

Ans

✗ A. Wular Lake

✗ B. Loktak Lake

✗ C. Dal Lake

✓ D. Pulicat Lake

Q.85 The ratio of the length, width and height of a cuboid is

4 : 3 : 5 and the sum of the lengths of all its edges is 144 cm. Find the total surface area of the cuboid.

Ans

✗ A. 1026 cm^2

✗ B. 1620 cm^2

✗ C. 756 cm^2

✓ D. 846 cm^2

Q.86 Arushi was to multiply a number by 2.4, but instead multiplied by 4.2. If the product she obtained was 65.1, then what is the correct product that she should have got?

Ans

✗ A. 113.93

✓ B. 37.20

✗ C. 46.88

✗ D. 36.50

Q.87 There are eight persons—Manoj, Nitya, Varun, Pranay, Kali, Reva, Sarayu and Teena. All of them are sitting in a straight row and are facing North but not necessarily in the same order. There are only two persons sitting between Reva and Pranay. The number of persons sitting between Kali and Manoj is the same as the number of persons sitting between Pranay and Sarayu. Varun is not a neighbour of Sarayu. Sarayu is sitting to the immediate left of Nitya. Kali is sitting second to the left of Reva. Reva is fourth from the extreme right end. Manoj sits at one of the extreme ends of the row. Teena sits to the immediate right of Kali. How many persons are seated to the left of Nitya?

Ans

✓ A. Six

✗ B. One

✗ C. Four

✗ D. Three

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Q.88 A train covers a distance of 57.6 km in 48 minutes. What is its speed in m/s?

Ans

✗ A. 21

✓ B. 20

✗ C. 18

✗ D. 24

Q.89 The average weight of 14 students of a class is 20 kg. If a student leaves the class, the average weight of the class drops by 2 kg. Find the weight of the student (in kg) who left the class.

Ans

✗ A. 43

✓ B. 46

✗ C. 49

✗ D. 45

Q.90 The famous Sardar Sarovar dam has been built on which of the following rivers?

Ans

✗ A. Sutlej

✓ B. Narmada

✗ C. Ganga

✗ D. Godavari

Q.91 A bank is to the east of a shop. A college is to the north-west of the Bank. A bus stop is to the north of the shop and to the west of the college. In which direction is the college with respect to the shop?

Ans

✗ A. North-west

✗ B. East

✓ C. North-east

✗ D. North

Q.92 It was Thursday on February 1, 2007. What was the day of the week on February 2, 2006?

Ans

✗ A. Wednesday

✗ B. Friday

✓ C. Thursday

✗ D. Saturday

Q.93 In which type of chemical reaction do crystals of ferrous sulphate lose water on heating and the colour of the crystals changes from light green to white?

Ans

✗ A. Combination reaction

✓ B. Decomposition reaction

✗ C. Double displacement reaction

✗ D. Displacement reaction

Q.94 Who approved a policy on declassification of war histories in June 2021?

Ans

✗ A. Amit Shah

✗ B. Narendra Modi

✗ C. Jyotiraditya M Scindia

✓ D. Rajnath Singh

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Q.95 The present average age of X, Y and Z is 44 years. 8 years ago the average age of X and Y was 38 years. What is the present age of Z?

Ans

✗ A. 38 years

✗ B. 39 years

✗ C. 41 years

✓ D. 40 years

Q.96 Which of the following is NOT a major factor affecting the population change in a region?

Ans

✗ A. Migration

✓ B. Occupational composition

✗ C. Death rate

✗ D. Birth rate

Q.97 Select the number from among the given options that can replace the question mark (?) in the following series.

86, 89, 95, 104, ?, 131, 149

Ans

✗ A. 122

✗ B. 114

✓ C. 116

✗ D. 113

Q.98 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 dogs are donkeys.
No donkey is a horse.

Conclusions:

I. Some dogs are not horses.
II. Some horses are dogs

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.99 Who among the following was a British reformer, a campaigner for women's rights and a supporter of Indian nationalism?

Ans

✓ A. Annie Besant

✗ B. Josephine Butler

✗ C. Florence Nightingale

✗ D. William Wilberforce

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Q.100 D, E, L, M, R, S, Y and Z are sitting around a square table facing the centre of the table. Four of them are sitting at each of the corners, while the other four are sitting at the exact centre of each of the sides.
D sits in the middle of one of the sides of the table. Only one person sits between D and E. L sits to the immediate right of E. Only three people sit between L and M when counted from the right of L. R is an immediate neighbour of L. S sits to the immediate left of Y. Who sits third to the right of Z?

Ans
- ✗ A. D
- ✗ B. Y
- ✓ C. R
- ✗ D. S

Q.101 How many technology innovation platforms have been launched by the Central Government for development of technologies for globally competitive manufacturing in India in July 2021?

Ans
- ✗ A. Five
- ✗ B. Eight
- ✗ C. Seven
- ✓ D. Six

Q.102 As per UN (World Population Prospects 2019), _____ led the ranking for countries with the highest population density in 2019.

Ans
- ✓ A. Monaco
- ✗ B. Netherlands
- ✗ C. Sweden
- ✗ D. Hong Kong

Q.103 Sunita won $\frac{3}{5}$ of the marbles that were there in the beginning of the game. Ravi won $\frac{2}{3}$ of the remaining marbles while Sunny won the remaining 60 marbles. How many marbles did Sunita win?

Ans
- ✗ A. 240
- ✗ B. 255
- ✗ C. 285
- ✓ D. 270

Q.104 The first railway line in India was laid in the year 1853 from Bombay to _____.

Ans
- ✗ A. Pune
- ✓ B. Thane
- ✗ C. Nasik
- ✗ D. Nagpur

Q.105 2 litres of a liquid having milk and water in the ratio 3 : 2 is mixed with 3 litres of a liquid having milk and water in the ratio 2 : 3. Find the ratio of milk to water in the new mixture.

Ans
- ✓ A. 12 : 13
- ✗ B. 9 : 4
- ✗ C. 1 : 1
- ✗ D. 5 : 6

Q.106 A train running at 90 km/h crosses an electric pole in 18 seconds and a platform in 65 seconds. What is the length of the platform?

Ans
- ✓ A. 1175 m
- ✗ B. 1250 m
- ✗ C. 1050 m
- ✗ D. 1020 m

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Q.107 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

DI, GO, LU, OA, TG, ?

Ans

✔ A. WM

✘ B. UL

✘ C. WL

✘ D. YM

Q.108 Read the given statements and conclusions carefully. Decide which of the given conclusions is/are true based on the statements.

Statements:

$A > Z \geq P > M$

$P < R$

Conclusions:

I. $A > R$

II. $M < R$

Ans

✘ A. Only I is true

✘ B. Both I and II are true

✔ C. Only II is true

✘ D. Neither I nor II is true

Q.109 Which of the following ports is located on the western coast of India?

Ans

✘ A. Ennore

✘ B. Paradip

✔ C. Cochin

✘ D. Haldia

Q.110 The length of each edge of a cube is 2.6 cm. What is the total surface area (in cm^2) of the cube?

Ans

✔ A. 40.56

✘ B. 40.76

✘ C. 39.96

✘ D. 40.36

Q.111 The power of the Parliament to amend the Constitution of India is described in:

Ans

✘ A. Article 360

✘ B. Article 395

✔ C. Article 368

✘ D. Article 352

Q.112 Which of the following countries does NOT have direct access to a sea?

Ans

✘ A. Bangladesh

✔ B. Nepal

✘ C. Pakistan

✘ D. Myanmar

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Q.113 Which of the following is an example of a living fossil tree?

Ans

✗ A. Silver oak

✗ B. Funaria

✓ C. Ginkgo biloba

✗ D. Dryopteris

Q.114 Study the following arrangement of letters, numbers, symbols and answer the question that follows.

(Left) € A 5 # 6 λ 5 D P A ¥ 8 R 2 Z * Q 9 B L 5 6 % S H 2 F # 6 (Right)

How many such letters are there in the above series, each of which is immediately preceded by a symbol and immediately followed by a number?

Ans

✓ A. 3

✗ B. 1

✗ C. 4

✗ D. 2

Q.115 $\frac{9}{15} \times \frac{45}{81} \times \left\{\frac{49}{6} \times \left(\frac{16}{7} - 2\right)\right\} \times \frac{24}{5} \div \frac{16}{15} = ?$

Ans

✓ A. $\frac{7}{2}$

✗ B. $\frac{5}{9}$

✗ C. $\frac{9}{5}$

✗ D. $\frac{2}{7}$

Q.116 In which Schedule of the Constitution of India were 22 languages mentioned?

Ans

✗ A. 5^{th} Schedule

✓ B. 8^{th} Schedule

✗ C. 4^{th} Schedule

✗ D. 3^{rd} Schedule

Q.117 The Valmiki Ambedkar Awas Yojana is aimed at providing:

Ans

✗ A. financial assistance to slum dwellers living below poverty line

✗ B. Foodgrains to slum dwellers living below poverty line

✗ C. infrastructure for all the citizens

✓ D. housing and toilet facilities to slum dwellers living below poverty line

Q.118 As of December 2021, the number of High Courts in India are _____.

Ans

✗ A. 28

✗ B. 20

✓ C. 25

✗ D. 30

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Q.119 Which of the following sites of Indus Valley Civilization is located in Punjab (India)?

Ans

✗ A. Balu

✗ B. Kot Diji

✗ C. Banawali

✓ D. Ropar

Q.120 The following table presents the expenditure of a company on various heads over five years.

Expenditures of a company (in Lakhs)					
	Expenditure Heads				
Year	Salary	Transport	Taxes	Advertising	Offers and Promotions
2017	361	93	83	142	52
2018	273	67	65	133	86
2019	645	110	152	108	95
2020	712	108	165	112	48
2021	652	111	132	101	75

The company's total expenditure in 2017 was approximately what percentage of its total expenditure in 2021?

Ans

✗ A. 61%

✗ B. 55%

✓ C. 68%

✗ D. 71%

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	12/06/2022
Test Time	12:45 PM - 2:15 PM
Subject	NTPC

*** 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 : **NTPC**

Q.1 _____ is the weakest of the acids listed below.

Ans
✗ A. Hydrofluoric acid
✗ B. Hydrochloric acid
✓ C. Acetic acid
✗ D. Nitric acid

Q.2 Vimal secured 46% marks in the exam and failed to qualify in the exam by 10 marks. If he secured 52% marks, he would have secured 8 marks more than what was the minimum qualifying marks. What were the minimum marks one had to score to qualify in the exam?

Ans
✗ A. 138
✓ B. 148
✗ C. 156
✗ D. 146

Q.3 Study the given arrangement of letters, symbols and numbers and answer the question that follows.

(Left) A 8 & S 4 Y & 6 # @ 9 U Y 3 % L 6 & K 9 & P V 4 B & % # U Y 8 S # (Right)

Which of the following will be fourth to the right of the sixth from the left end of the arrangement?

Ans
✗ A. P
✗ B. 9
✗ C. #
✓ D. @

Q.4 Which of the following is a popular harvest dance in the Bundelkhand region of Madhya Pradesh?

Ans
✗ A. Charba
✗ B. Maruni
✗ C. Dhalo
✓ D. Jawara

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Q.5 The average of two numbers is 46. Together with a third number, the combined average of three numbers changes to 43. What is the third number?

Ans

✔ A. 37

✘ B. 38

✘ C. 40

✘ D. 35

Q.6 Which dynasty did Harshavardhana belong to?

Ans

✘ A. Gupta dynasty

✘ B. Chalukya dynasty

✔ C. Pushyabhuti dynasty

✘ D. Maurya dynasty

Q.7 The churches and convents of Goa were added to the list of UNESCO World Heritage Sites in the year _____.

Ans

✘ A. 1989

✔ B. 1986

✘ C. 1984

✘ D. 1983

Q.8 In July 2021, Rakesh Asthana was appointed to which of the following posts?

Ans

✘ A. Director General of National Investigation Agency

✘ B. CBI Director

✔ C. Commissioner of Delhi Police

✘ D. Vice Chief of the Indian Navy

Q.9 Cape Comorin, the southernmost tip of mainland India is located in which of the following states?

Ans

✘ A. Andhra Pradesh

✘ B. Kerala

✔ C. Tamil Nadu

✘ D. Karnataka

Q.10 All 80 students in a class are standing in a straight row facing north. Ravali is 30^{th} from the extreme right end, while Kiriti is 26^{th} from the extreme left end. How many students are standing between Ravali and Kiriti?

Ans

✔ A. 24

✘ B. 28

✘ C. 33

✘ D. 42

Q.11 The situation in an economy when inflation and unemployment both are at higher levels is known as _____.

Ans

✘ A. reflation

✘ B. inflationary gap

✔ C. stagflation

✘ D. inflation premium

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Q.12 Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

One must wake up early in the morning and exercise.

Assumptions:

I. Exercising is not possible at any other time of the day.

II. Everyone who exercises early in the morning is fitter than those who do not.

Ans

✗ A. Only assumption II is implicit

✗ B. Both assumptions I and II are implicit

✗ C. Only assumption I is implicit

✓ D. Neither assumption I nor assumption II is implicit

Q.13 The National Consumer Disputes Redressal Commission (NCDRC) was established in the year _____, under the Consumer Protection Act of 1986.

Ans

✗ A. 1987

✗ B. 1995

✗ C. 1991

✓ D. 1988

Q.14 Sunidhi earned an average of ₹6,250 per month during the past 12 months. During the first 10 months her average earnings per month was ₹5,800. What was Sunidhi's average earnings per month during the last two months of the period?

Ans

✓ A. ₹8,500

✗ B. ₹7,750

✗ C. ₹8,750

✗ D. ₹8,250

Q.15 A can do 75% of the work in 30 days while B can do 50% of the same work in 18 days. If they work together, what fraction of the work will be done in 1 day?

Ans

✗ A. $\frac{1}{19}$

✗ B. $\frac{1}{20}$

✗ C. $\frac{7}{120}$

✓ D. $\frac{19}{360}$

Q.16 Select the correct conclusion that could be drawn from the given expression.

$R > T \geq N > U = S \leq Z < V$

Ans

✗ A. $N < Z$

✓ B. $R > U$

✗ C. $V < T$

✗ D. $T = S$

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Q.17 Vishakha joined five different hobby classes viz. Painting, Dancing, Modelling, Singing and Cooking. She attends each class on different days of the same week from Monday to Friday but not necessarily in the same order. She attends Modelling class on Wednesday. She attends neither Painting nor Dancing class on Thursday and Friday. She attends Cooking class on Friday.

On which day does she attend Singing class?

Ans

✗ A. Tuesday

✗ B. Data is inadequate.

✗ C. Monday

✓ D. Thursday

Q.18 Who won the gold medal in the women's individual recurve event at the Archery World Cup Stage 3 held in Paris in June 2021?

Ans

✓ A. Deepika Kumari

✗ B. Dola Banerjee

✗ C. Ankita Bhagat

✗ D. Bombayla Devi Laishram

Q.19 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 mobiles are laptops.

No laptop is a computer.

All phones are computers.

Conclusions:

I. At least some mobiles are computers.

II. At least some phones are laptops.

Ans

✗ A. Both conclusions I and II follow.

✓ B. Neither conclusion I nor II follows.

✗ C. Either conclusion I or II follows.

✗ D. Only conclusion I follows.

Q.20 The amount payable on maturity of a certain sum invested at a certain rate of simple interest per annum for one year was ₹1,484. If the rate of interest had been 2% higher, the amount would have been ₹26.50 more. What was the interest that was paid on the sum invested at the original rate?

Ans

✗ A. ₹157

✓ B. ₹159

✗ C. ₹152.50

✗ D. ₹161

Q.21 There are seven members, H, I, J, K, L, M and N, in a family. H is K's mother's mother. J and L are the only two children of H and M. J is the only daughter of M. N is the son of L and I. How is M related to N?

Ans

✓ A. Father's father

✗ B. Father's sister

✗ C. Mother's father

✗ D. Mother's brother

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Q.22 Which country's satellite was carried into space by the Indian Polar Satellite Launch Vehicle PSLV-C51 in February 2021?

Ans
- ✗ A. USA
- ✓ B. Brazil
- ✗ C. Russia
- ✗ D. Japan

Q.23 The Amazon Rainforest which is well known as the lungs of the earth is located in _____.

Ans
- ✗ A. North America
- ✗ B. Africa
- ✗ C. Asia
- ✓ D. South America

Q.24 A conical tent with base diameter 10 m and height 12 m has been made. An additional 10% cloth is required as wastage in stitching the tent. Find the area of the cloth required (in m^2). [Use $\pi = 3.14$]

Ans
- ✓ A. $71.5\ \pi$
- ✗ B. $78.5\ \pi$
- ✗ C. $65\ \pi$
- ✗ D. $60\ \pi$

Q.25 The Palace of Assembly is a legislative assembly designed by noted architect Le Corbusier and is located in _____.

Ans
- ✗ A. Dadra and Nagar Haveli and Daman and Diu
- ✗ B. Puducherry
- ✗ C. Ladakh
- ✓ D. Chandigarh

Q.26 From $\frac{3}{4}$ of a number P, Ramakrishna subtracts $\frac{2}{3}$ of another number Q and obtain $\frac{5}{8}$ as the difference. What is the answer Ramakrishna should obtain if he subtracts eight times of Q from nine times of P?

Ans
- ✗ A. $\frac{25}{3}$
- ✗ B. $\frac{25}{4}$
- ✗ C. $\frac{20}{3}$
- ✓ D. $\frac{15}{2}$

Q.27 Study the given information carefully and answer the question that follows.

Varun, Kashyap, Anil, Johnson, Samson and Prasad are sitting in a row facing north but not necessarily in the same order. Varun and Kashyap sit at the extreme ends. Anil is sitting to the immediate left of Varun. Only one person sits between Anil and Samson. Johnson is not an immediate neighbour of Kashyap.

Who is sitting to the immediate right of Kashyap?

Ans
- ✗ A. Varun
- ✗ B. Samson
- ✗ C. Johnson
- ✓ D. Prasad

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Q.28 Which of the following statements correctly defines oligopoly?

Ans

✗ A.
If the market of a particular commodity consists of more than one seller. but the number of sellers is very high, the market structure is termed as oligopoly.

✗ B.
If the market of a particular commodity consists of just one seller and the number of customers is few, the market structure is termed as oligopoly.

✓ C.
If the market of a particular commodity consists of more than one seller, but the number of sellers is few, the market structure is termed as oligopoly.

✗ D.
If the market of a particular commodity consists of just one seller but the number of customers is very high, the market structure is termed as oligopoly.

Q.29 What is the difference between the LCM and the HCF of 24 and 18?

Ans

✗ A. 6

✓ B. 66

✗ C. 24

✗ D. 72

Q.30 Find the value of $(162 \div 9) \div 3 - (343 \div 49) \div 7$.

Ans

✓ A. 5

✗ B. $\frac{-1}{7}$

✗ C. 53

✗ D. -1

Q.31 Who among the following was awarded the 'Grand Prize of the Fukuoka Prize' in 2021?

Ans

✗ A. Ramchandra Guha

✗ B. Romila Thapar

✓ C. Palagummi Sainath

✗ D. Amjad Ali Khan

Q.32 A women oriented community-based poverty reduction programme "Kudumbashree" was implemented in which state?

Ans

✗ A. Karnataka

✓ B. Kerala

✗ C. Andhra Pradesh

✗ D. Tamilnadu

Q.33 For Assembly elections (February - March 2022) in Uttar Pradesh, Uttarakhand and Punjab, the expenditure limit for legislative assembly candidates was revised to ₹ _____ lakh in January 2022.

Ans

✗ A. 20

✓ B. 40

✗ C. 50

✗ D. 30

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Q.34 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

GSI, ITD, KUY, MVT, OWO, ?

Ans

✗ A. JXM

✗ B. QYK

✓ C. QXJ

✗ D. JYM

Q.35 In a certain code language,
'living inside houses' is coded as 'ca de mo',
'snow houses built' is coded as 'ni tp ca',
'living with snow man' is coded as 'vr hs ni mo'.
(Note: All codes are two letter codes only)

If 'built with brick' is coded as 'vr aj tp', what is the probable code for 'brick man' in the given code language?

Ans

✗ A. mo to

✓ B. hs aj

✗ C. vr ni

✗ D. aj vr

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 conclusions logically follow(s) from the statements.

Statements:
All stools are round.
Some mountains are round.
Some ponds are mountains.
All ponds are square.

Conclusions:
I. Some ponds are round.
II. Some mountains are square.
III. Some ponds are both mountains and round.
IV. Some stools are square.

Ans

✓ A. Only conclusion II follows.

✗ B. Both conclusions III and IV follow.

✗ C. Both conclusions I and II follow.

✗ D. Both conclusions I and III follow.

Q.37 India's first commercial nuclear power plant Tarapur is located in which of the following states?

Ans

✗ A. Jharkhand

✓ B. Maharashtra

✗ C. Karnataka

✗ D. Madhya Pradesh

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Q.38 Read the given statements and conclusions carefully. Decide which of the given conclusions is/are true based on the given statement.

Statement:

$W = H \leq G < C \geq T = L > M$

Conclusions:

I . $W < T$

II $C > M$

Ans

✗ A. Both conclusions I and II are true

✗ B. Only conclusion I is true

✗ C. Neither conclusion I nor II is true

✓ D. Only conclusion II is true

Q.39 Which Article of the Indian Constitution is related with the high courts for Union Territories?

Ans

✗ A. 221

✗ B. 189

✓ C. 241

✗ D. 263

Q.40 In a certain code language,
'you can add' is coded as 'cb ns pd',
'add their money' is coded as 'io uv cb',
'their bank can' is coded as 'km uv pd'.
(Note: All codes are two letter codes only)

What is the probable code for 'money bank' in the given code language?

Ans

✗ A. pd cb

✓ B. km io

✗ C. cb km

✗ D. io pd

Q.41 When 5 is added to one-third of a number, the sum is 59. What is the number?

Ans

✗ A. 167

✗ B. 172

✗ C. 192

✓ D. 162

Q.42 In 1960, the erstwhile state of Bombay was bifurcated to create the present day states of Maharashtra and _____.

Ans

✓ A. Gujarat

✗ B. Goa

✗ C. Chhattisgarh

✗ D. Karnataka

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Q.43 Madhavacharya (12th century) wrote Madhava Nidana which contains _____chapters exclusively on diagnosis of the diseases (nidana).

Ans
- ✗ A. 60
- ✓ B. 69
- ✗ C. 90
- ✗ D. 96

Q.44 The Union Ministry of Social Justice and Empowerment in the year 2015 notified that every year _____ will be celebrated as the 'Constitution Day' to promote Constitutional values among citizens.

Ans
- ✗ A. 26 June
- ✓ B. 26 November
- ✗ C. 26 January
- ✗ D. 26 December

Q.45 What is the formula for Net worth?

Ans
- ✗ A. Net Worth = Assets + Liabilities
- ✗ B. Net Worth = Assets / Liabilities
- ✗ C. Net Worth = Assets × Liabilities
- ✓ D. Net Worth = Assets – Liabilities

Q.46 Select the number from among the given options that can replace the question mark (?) in the following series.

8162, 7213, 6244, ?, 4246

Ans
- ✗ A. 2555
- ✗ B. 5552
- ✓ C. 5255
- ✗ D. 5525

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 goods are beautiful.

Some beautiful are costly.

Conclusions:

I. Some goods are costly.

II. All costly are beautiful.

Ans
- ✗ A. Only conclusion II follows.
- ✓ B. Neither conclusion I nor conclusion II follows.
- ✗ C. Only conclusion I follows.
- ✗ D. Either conclusion I or conclusion II follows.

Q.48 On simple interest, a certain sum becomes ₹3,400 at 12% p.a. in 3 years. Find the sum (in ₹).

Ans
- ✗ A. 2,800
- ✓ B. 2,500
- ✗ C. 2,600
- ✗ D. 2,450

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Q.49 If 'Autumn' is called 'Winter', 'Winter' is called 'Summer', 'Summer' is called 'Rainy', 'Rainy' is called 'Cloudy', then in which season do we definitely wear woollen garments?

Ans

✗ A. Winter

✓ B. Summer

✗ C. Rainy

✗ D. Cloudy

Q.50 Ramen leaves his home every day at 7:40 am and reaches his office at 9:46 am. One day, he left his home at 7:40 am but travelled one-fourth of the distance at $\frac{6}{7}$ of the usual speed and the rest of the distance at $\frac{6}{5}$ of the usual speed. At what time did Ramen reach office on that day?

Ans

✓ A. 9:35:30 am

✗ B. 9:25:50 am

✗ C. 9:45:40 am

✗ D. 9:30:55 am

Q.51 Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and the second letter-cluster is related to the first letter-cluster.

AYTRES : SFTUZB :: MINTED : UFEOJN :: LTREAD : ?

Ans

✗ A. DFRERT

✓ B. FBESUM

✗ C. DFRHRE

✗ D. FBETRS

Q.52 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

a _ bca _ _ ca _ b _ _ abc

Ans

✗ A. bacaaa

✗ B. aaacba

✗ C. abacaa

✓ D. aabaca

Q.53 If $cot^2\theta = 1 + \cos^2\theta - \sin^2\theta, 0° < \theta < 90°$, then find the value of $\tan^2\theta + \text{cosec}^2\theta$.

Ans

✗ A. -1

✗ B. $\frac{1}{2}$

✓ C. 3

✗ D. $\frac{3}{2}$

Q.54 In a certain code language, 'COUSIN' is written as 'UOISNC' and 'AUNTY' is written as 'UAYTN'. How will 'UNCLE' be written in that language?

Ans

✗ A. UNELC

✗ B. CNEUL

✗ C. CNELU

✓ D. UENLC

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Q.55 The Begumpuri mosque, built during the reign of _____, was the main mosque of Jahanpanah, his new capital in Delhi.

Ans

✔ A. Muhammad Tughluq

✘ B. Ghiyasuddin Tughluq

✘ C. Qutbuddin Aybak

✘ D. Ghiyasuddin Balban

Q.56 Anil starts walking from Point K. He walks 30 m towards the east, turns right and walks for 20 m to reach point M. He then takes a left turn, walks for 35 m, takes a right turn and walks for 28 m to reach Point R. He finally takes a right turn and walks for 50 m to reach Point X.
In which direction is Point X with respect to Point K?

Ans

✘ A. West

✘ B. South

✘ C. North-East

✔ D. South-East

Q.57 Articles 5 to 11 of the Constitution of India deals with the:

Ans

✘ A. Indian Union

✘ B. Fundamental Duties

✔ C. Citizenship

✘ D. Fundamental Rights

Q.58 Santos *port* also known as '*coffee port*' of the *world is located in* _____.

Ans

✔ A. Brazil

✘ B. Canada

✘ C. France

✘ D. the United Kingdom

Q.59 If $\sin 2x = \cos 60° \cos 30° + \sin 60° \sin 30°$, then which of the following is a possible value of $\tan x + \sec x$?
$(0 < x < 90°)$

Ans

✘ A. $\frac{3\sqrt{3}}{2}$

✘ B. $\frac{\sqrt{3}}{4}$

✔ C. $\sqrt{3}$

✘ D. $\frac{\sqrt{3}}{2}$

Q.60 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

$9.99^{3.001} - 5.001^{2.999} + 4.997 = ?$

Ans

✘ A. 985

✘ B. 565

✔ C. 880

✘ D. 700

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Q.61 29.5% of a number is 0.59. What is that number?

Ans
- ✗ A. 1.8
- ✗ B. 2.4
- ✓ C. 2
- ✗ D. 2.5

Q.62 Which of the following numbers is NOT divisible by 9?

Ans
- ✓ A. 45390
- ✗ B. 49104
- ✗ C. 77832
- ✗ D. 35253

Q.63 A person walks 825 m in 3 minutes. What is his speed in km/h?

Ans
- ✓ A. 16.5
- ✗ B. 16.75
- ✗ C. 16.25
- ✗ D. 16.8

Q.64 The Losar festival, quite popular in Arunachal Pradesh is mainly celebrated by the ____ tribe.

Ans
- ✗ A. Apatani
- ✗ B. Hunas
- ✗ C. Angami
- ✓ D. Monpa

Q.65 Which of the following is a major wheat growing region of India?

Ans
- ✗ A. Eastern ghats
- ✗ B. Sundarbans delta
- ✓ C. Punjab-Haryana plains
- ✗ D. Western coast

Q.66 Karisma has been spending ₹5,400 on the purchase of an item every year for the past three years. However, the price per unit of this item has fluctuated from year to year with the per unit price being ₹9 in the first year, ₹24 in the second year and ₹14.40 in the third year. What was the average per unit price that Karisma paid for this item in the three years?

Ans
- ✗ A. ₹12.90
- ✗ B. ₹14.10
- ✗ C. ₹13.80
- ✓ D. ₹13.50

Q.67 Which of the following statements with regard to the Green Revolution is NOT true?

Ans
- ✗ A. It needs fertilizers and pesticides.
- ✗ B. It increases crop yields.
- ✓ C. It requires decreasing inputs over time.
- ✗ D. It uses high-yielding varieties of seeds.

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Q.68 Six identical boxes of different colours, Purple, Black, Yellow, Green, Cyan and Magenta, are arranged one over the other in the following manner:

Only three boxes are kept between the Cyan and Purple boxes. The Yellow box is kept at the bottom most position. Only the Black colour box is kept between the Magenta and Green colour boxes.

What coloured box is kept at the third position from the top?

Ans
- ✗ A. Cyan
- ✗ B. Magenta
- ✓ C. Black
- ✗ D. Green

Q.69 If in a certain code language, DANCER is called TEACHER, TEACHER is called PILOT, PILOT is called LAWYER, LAWYER is called SINGER, and SINGER is called CHEF, then who practices law?

Ans
- ✗ A. PILOT
- ✗ B. CHEF
- ✓ C. SINGER
- ✗ D. LAWYER

Q.70 The LCM of two numbers is 35 times their HCF. The LCM and HCF differ by 238. If the two numbers differ by 14, then find the sum of the numbers.

Ans
- ✓ A. 84
- ✗ B. 83
- ✗ C. 82
- ✗ D. 86

Q.71 Which Indian American-led start-up was awarded the 'National Science Foundation Innovation-Corps (NSF I-Corps) Teams Award' on 11 August 2021?

Ans
- ✗ A. Bloom Energy
- ✗ B. Zenefits
- ✓ C. SoftWorthy
- ✗ D. Instacart

Q.72 What is the median of 15, 2, 7, 8, 11, 5 and 14?

Ans
- ✗ A. 7
- ✓ B. 8
- ✗ C. 7.5
- ✗ D. 9.5

Q.73 Which Indian personality has been appointed Regional Director for South Asia in the International Court of Arbitration of International Chamber of Commerce (ICC) in September 2021?

Ans
- ✗ A. Anita Bhatia
- ✓ B. Tejus Chauhan
- ✗ C. Krish Iyer
- ✗ D. Chitra Ramkrishna

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Q.74 A train ran for 12 km in the north direction from Point A to reach Point B. From there, it took a right turn and ran for 20 km to reach Point C. Then, it ran for 6 km after taking a left turn and reached Point D. From there, it took a left turn again and ran for a distance of 8 km to reach Point E. Then, it covered 18 km in the south direction to reach Point F.

How far and in which direction is Point A with respect to Point F?

Ans
- ✔ A. 12 km, west
- ✘ B. 13 km, west
- ✘ C. 10 km, east
- ✘ D. 15 km, south

Q.75 Under which scheme was Somnath Promenade developed, as per the release of PMO on 20 August 2021?

Ans
- ✘ A. AMRUT scheme
- ✘ B. HRIDAY scheme
- ✔ C. PRASHAD scheme
- ✘ D. UDAY scheme

Q.76 A and B can do a piece of work together in 48 days, while B alone can do the work in 60 days. The duo start working together, but B leaves 15 days before the work gets over. For how many days did A and B work together?

Ans
- ✘ A. 48
- ✘ B. 33
- ✘ C. 42
- ✔ D. 45

Q.77 With which of the following states are 'Husori' or 'Huchari' performance associated?

Ans
- ✘ A. Odisha
- ✘ B. Kerala
- ✘ C. Maharashtra
- ✔ D. Assam

Q.78 Eight friends, Janaki, Komali, Lokesh, Manu, Nirvan, Rajan, Paru and Silpa, are sitting around a square table in such a way that four of them sit at four corners while four sit in the middle of each of the four sides. The ones who sit in the middle of the sides face the centre, while those who sit at the four corners face outward (i.e. opposite the centre). Lokesh sits third to the right of Manu. Manu sits in the middle of one of the sides of the table. Exactly three people sit between Lokesh and Silpa. Paru sits second to the right of Silpa. Nirvan is one of the immediate neighbours of Paru. Exactly three people sit between Nirvan and Komali. Janaki sits second to the right of Komali. Which of the following statements is true regarding Rajan?

Ans
- ✘ A. Rajan sits in the middle of one of the sides
- ✘ B. Nirvan sits second to the left of Rajan.
- ✔ C. Both Manu and Komali are immediate neighbours of Rajan.
- ✘ D. Only three people sit between Rajan and Janaki.

Q.79 Asthenosphere is a part of:

Ans
- ✘ A. Earth's Core
- ✘ B. Earth's Crust + Mantle
- ✘ C. Earth's Crust
- ✔ D. Earth's Mantle

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Q.80 A stick was broken in two parts which have lengths in the ratio 7 : 11. If the length of the smaller part was 77 cm, find the length of the unbroken stick.

Ans

✗ A. 1.80 m

✗ B. 1.26 m

✗ C. 1.21 m

✓ D. 1.98 m

Q.81 After the annexation of Awadh in 1856, Nawab Wajid Ali Shah was dethroned and exiled to ____.

Ans

✗ A. Meerut

✗ B. Rangoon

✓ C. Calcutta

✗ D. Bombay

Q.82 Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and the second letter-cluster is related to the first letter-cluster.

HTWCGY : WTHCGY :: ABHGLP : HBAGLP :: LGETDR : ?

Ans

✗ A. RDTEGL

✓ B. EGLTDR

✗ C. EGLRTD

✗ D. EGTLDR

Q.83 Which of the following states has the largest area (in absolute terms) under forest, according to India State of Forest Report 2019?

Ans

✓ A. Madhya Pradesh

✗ B. Maharashtra

✗ C. Odisha

✗ D. Karnataka

Q.84 John bought three items from a store. The price of item A was $\frac{2}{3}$ of the price of item B, while the price of item C was $\frac{3}{4}$ of the price of item B. If the price of item A was ₹88, then what was the price of item C?

Ans

✗ A. ₹90

✓ B. ₹99

✗ C. ₹121

✗ D. ₹108

Q.85 The slant height of a right circular cone is 13 cm and the area of the base is 144π cm^2. Find the volume (in cm^3) of the cone.

Ans

✗ A. 245 π

✗ B. 225 π

✗ C. 260 π

✓ D. 240 π

Q.86 When $\frac{3}{4}$ of a number is subtracted from $\frac{6}{7}$ of 126, the answer is 33. What is the number?

Ans

✓ A. 100

✗ B. 92

✗ C. 96

✗ D. 112

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Q.87 The Mahatma Gandhi National Rural Employment Guarantee Act provide guaranteed wage employment for a minimum of _____ days in a year.

Ans

✗ A. 60

✓ B. 100

✗ C. 180

✗ D. 70

Q.88 Which Five-Year Plan was suspended one year before the time schedule by the Janata Party ?

Ans

✗ A. Fourth

✓ B. Fifth

✗ C. Seventh

✗ D. First

Q.89 Six friends Sheela, Roma, Sheetal, Sreeja, Naina and Rahul are sitting on a bench facing north. Sreeja and Rahul are sitting at the 3rd and 4th positions respectively from the left end. Sheela and Naina are sitting at the extreme right and left ends, respectively. Sheela is sitting to the immediate right of Roma. Who is sitting immediately next to Naina?

Ans

✗ A. Sreeja

✗ B. Sheela

✓ C. Sheetal

✗ D. Roma

Q.90 The transformation of silk worms and frog larvae into adults through drastic changes is called:

Ans

✗ A. transfiguration

✗ B. mutation

✓ C. metamorphosis

✗ D. diversification

Q.91 Find the perimeter (in cm) of a square having an area equal to the area of a rhombus, measures of whose diagonals are 8 cm and 16 cm.

Ans

✗ A. 34

✗ B. 36

✓ C. 32

✗ D. 35

Q.92 The total surface area of a solid hemisphere is 1848 cm^2. What is the length of the diameter of the flat surface of the hemisphere. [Use $\pi = \frac{22}{7}$]

Ans

✗ A. 14 cm

✗ B. 21 cm

✗ C. 35 cm

✓ D. 28 cm

Q.93 Which of the following is NOT a valid IPv4 address?

Ans

✗ A. 100.100.10.10

✓ B. 1000.100.10.1

✗ C. 100.100.10.1

✗ D. 10.10.10.10

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Q.94 Under which flagship programme did the Ministry of Skill Development and Entrepreneurship launch a pilot project to revive Kashmir's Namda craft in November 2021?

Ans

✗ A. Capacity building Scheme

✓ B. Pradhan Mantri Kaushal Vikas Yojana 3.0

✗ C. Pradhan. Mantri Vaya Vandana Yojana

✗ D. Rozgar Mela Scheme

Q.95 In which city was the 4th International Race Walking Championships held in February 2021?

Ans

✗ A. Amritsar

✓ B. Ranchi

✗ C. Lucknow

✗ D. Jaipur

Q.96 Which Indian state was the first to be carved out on the basis of language in the year 1956?

Ans

✗ A. Gujarat

✗ B. West Bengal

✗ C. Punjab

✓ D. Andhra Pradesh

Q.97 By selling an item for ₹1,729 Rohini made a loss of 30%. At what price should she sell the item to make a gain of 16%?

Ans

✗ A. ₹2,856.20

✗ B. ₹2,866.40

✓ C. ₹2,865.20

✗ D. ₹2,865.50

Q.98 In a class, there are four students -Ravindra, Shiva, Triveni and Nagesh, who want to be selected in the basketball team. All of them have different heights. Nagesh is shorter than Ravindra but taller than Triveni. Shiva is shorter than Nagesh but taller than Triveni. If the coach wants to select the tallest student among them, then who will be selected?

Ans

✗ A. Triveni

✗ B. Nagesh or Ravindra

✓ C. Ravindra

✗ D. Shiva

Q.99 Amit's birthday on 16th April 2020 was on Thursday. On which day was his wife's birthday on 2nd June 2020?

Ans

✓ A. Tuesday

✗ B. Sunday

✗ C. Friday

✗ D. Wednesday

Q.100 Which of the following is termed as a hunger hormone as it stimulates appetite, increases food intake and promotes fat storage?

Ans

✗ A. Insulin

✗ B. Resistin

✓ C. Ghrelin

✗ D. Leptin

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Q.101 Who was the first Indian to join the Indian Civil Services?

Ans

✗ A. Surendranath Banerjee

✗ B. Behari Lal Gupta

✓ C. Satyendranath Tagore

✗ D. Romesh Dutt

Q.102 ABCD is a cyclic quadrilateral, AB is a diameter of the circle. If $\angle ACD = 35°$, find the value of $\angle BAD$.

Ans

✓ A. $55°$

✗ B. $60°$

✗ C. $45°$

✗ D. $70°$

Q.103 A solid metallic cone of diameter 36 cm and height 12 cm is melted and made into identical solid spheres each of radius 3 cm. How many such spheres can be made?

Ans

✗ A. 38

✗ B. 34

✓ C. 36

✗ D. 32

Q.104 A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Four of them are sitting at each of the corners, while the other four are sitting at the exact centre of each of the sides.
G sits in the middle of one of the sides of the table. E is an immediate neighbour of G. E sits third to the left of F. Only three people sit between F and H. B sits to the immediate left of H. C sits third to the right of A. Who sits third to the right of D?

Ans

✓ A. H

✗ B. G

✗ C. E

✗ D. F

Q.105 There are six friends, Aman, Bikram, Chetan, Dhanush, Elisa and Frank, each having a different height. Only three friends are shorter than Chetan. Aman is shorter than only Dhanush. Frank is shorter than Elisa. Frank is not the shortest. How many friends are shorter than Frank?

Ans

✓ A. 1

✗ B. 3

✗ C. 4

✗ D. 2

Q.106 A two-digit positive number is such that the product of its digits is 24. When 18 is added to the number, the digits interchange their places. Which smallest positive number should be subtracted from the given number to make it a perfect square?

Ans

✓ A. 10

✗ B. 8

✗ C. 12

✗ D. 0

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Q.107 Of the given options, which is the saltiest sea in the world?

Ans
- ✗ A. Black Sea
- ✗ B. Baltic Sea
- ✓ C. Red Sea
- ✗ D. Celebes Sea

Q.108 There are six girls Mayuri, Kavyanjali, Divya, Poonam, Neha and Vidya. Each girl likes a different colour - red, blue, purple, yellow, green and pink. Divya likes red colour. Poonam does not like green and yellow colour. Neha likes purple colour. Vidya does not like pink and green colour. Mayuri likes blue colour. Which of the following girl and colour combinations is correct?

Ans
- ✗ A. Kavyanjali - Pink
- ✓ B. Vidya - yellow
- ✗ C. Neha - blue
- ✗ D. Poonam - green

Q.109 Rahul invested a certain sum for two years at 60% p.a. compound interest, compounded annually. If at the end of two years he received interest of ₹11,700, then how much did he initially invest?

Ans
- ✗ A. ₹7,250
- ✗ B. ₹8,000
- ✗ C. ₹7,750
- ✓ D. ₹7,500

Q.110 A certain sum was invested at 40% p.a. compound interest for two years and the interest was compounded annually. If the interest was compounded half-yearly, the amount payable on maturity after two years would have been ₹4,544 more. What was the sum invested?

Ans
- ✓ A. ₹40,000
- ✗ B. ₹37,500
- ✗ C. ₹42,500
- ✗ D. ₹42,000

Q.111 Which of the following types of read only memory can be erased by exposing it to an electrical charge and can be re-programmed?

Ans
- ✓ A. EEPROM
- ✗ B. ROM
- ✗ C. PROM
- ✗ D. EPROM

Q.112 Ustad Mohi Bahauddin Dagar is a legendary musician associated with which of the following musical instruments?

Ans
- ✗ A. Sitar
- ✗ B. Flute
- ✓ C. Rudra Veena
- ✗ D. Tabla

Q.113 Which of the following pilot projects was launched on the occasion of World Environment Day 2021, with an aim of establish a network for production and distribution of ethanol in India?

Ans
- ✗ A. E-65
- ✗ B. E-50
- ✓ C. E-100
- ✗ D. E-103

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Q.114 The change in demand for a good or service caused by a change in a consumer's purchasing power resulting from a change in real income is called _____.

Ans

✗ A. marginal product

✓ B. income effect

✗ C. budget set

✗ D. substitution effect

Q.115 The Negroid race is indigenous to which of the following continents?

Ans

✗ A. South America

✓ B. Africa

✗ C. Australia

✗ D. Asia

Q.116 In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

Ans

✗ A. 20 : 401

✓ B. 14 : 198

✗ C. 18 : 325

✗ D. 22 : 485

Q.117 The length and the width of a rectangular plot of land are 10.5 m and 8 m, respectively. Find the cost of laying grass in the entire plot at ₹15.25 per square metre.

Ans

✗ A. ₹1,275

✓ B. ₹1,281

✗ C. ₹1,293

✗ D. ₹1,302

Q.118 In a row of 28 students, Jamuna was 12^{th} from the extreme left end and Ganga was 19^{th} from the extreme right end. If Sarasvati was seated exactly between them, then what was Sarasvati's position from the right end? Assume that the students were seated facing north.

Ans

✗ A. 20^{th}

✗ B. 17^{th}

✗ C. 16^{th}

✓ D. 18^{th}

Q.119 If $27 \times 3 \times 896 \div \sqrt{3136} = y + 640$, then find the value of y.

Ans

✓ A. 656

✗ B. 664

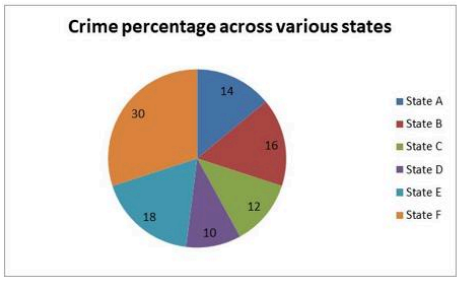
✗ C. 648

✗ D. 666

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Q.120 The following pie chart shows the percentage of crime cases reported in a particular year across various states.



If the crime cases in state A (14% in the pie chart) were 672 in that year, what was the number of cases reported in state C and state F together?

Ans

✗ A. 800

✗ B. 1214

✗ C. 1060

✓ D. 2016

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	15/06/2022
Test Time	9:00 AM - 10:30 AM
Subject	NTPC

*** 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 : **NTPC**

Q.1 In a certain code language, 'COCK' is written as 'EQEM', and 'DUCK' is written as 'FWEM'. How will 'SWAN' be written in that language?

Ans
- ✗ A. UXDP
- ✗ B. VXCQ
- ✗ C. VYDP
- ✓ D. UYCP

Q.2 The ratio of the speeds of a bus and a car is 7 : 11 . If the car covers a distance of 396 km in 6 hours, what is the speed of the bus in km/h?

Ans
- ✓ A. 42
- ✗ B. 35
- ✗ C. 38.5
- ✗ D. 45.5

Q.3 Which of the following rivers originates from Aravalli range and disappears into Rann of Kachchh?

Ans
- ✗ A. Sabarmati
- ✗ B. Chambal
- ✗ C. Banas
- ✓ D. Luni

Q.4 Which Article of the Indian Constitution deals with the provision of protection of monuments and places and objects of national importance?

Ans
- ✓ A. Article 49
- ✗ B. Article 48
- ✗ C. Article 48A
- ✗ D. Article 43

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Q.5 Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and the second letter-cluster is related to the first letter-cluster.

EYBRD : VBYIW :: AJKBC : ZQPYX :: JEWAD : ?

Ans

✗ A. VRTYU

✗ B. KRESD

✗ C. MHREA

✓ D. QVDZW

Q.6 Which of the following fractions is the greatest?

Ans

✗ A. $\frac{8}{9}$

✗ B. $\frac{17}{20}$

✓ C. $\frac{37}{40}$

✗ D. $\frac{22}{25}$

Q.7 Count the total number of days from 10 April 2020 to 25 July 2020, by including both the days.

Ans

✓ A. 107

✗ B. 108

✗ C. 106

✗ D. 105

Q.8 What is the length of IPv4 address in terms of nibble?

Ans

✗ A. 4 nibbles

✗ B. 16 nibbles

✓ C. 8 nibbles

✗ D. 6 nibbles

Q.9 Where is the world's highest waterfall, the 'Angel falls', located?

Ans

✗ A. Belgium

✗ B. Australia

✗ C. China

✓ D. Venezuela

Q.10 In 1851, who among the following described the kingdom of Awadh as 'a cherry that will drop into our mouth one day'?

Ans

✗ A. Warren Hastings

✗ B. William Bentinck

✓ C. Lord Dalhousie

✗ D. Robert Clive

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Q.11 In MS-Word 2016, the 'Aa' feature within the Font group of the Home tab represents the _____ option.

Ans

✗ A. Text Effects and typography

✗ B. Strikethrough

✗ C. Clear All Formatting

✓ D. Change Case

Q.12 A sum of money invested at a certain rate of compound interest per annum amounts to ₹96,800 in 2 years and to ₹1,06,480 in 3 years. Find the rate of compound interest per annum.

Ans

✗ A. 10.5%

✓ B. 10%

✗ C. 12%

✗ D. 11%

Q.13 Seven people A, B, C, D, E, F and G live in a seven-floor building. The lowermost floor is numbered as 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 7. Only four people live below the floor on which D lives. Only two people live below C. B lives on the lowermost floor. E lives immediately above B. A lives on one of the floors above F but on one of the floors below G. Who lives on the floor numbered 4?

Ans

✗ A. C

✗ B. D

✓ C. F

✗ D. A

Q.14 Embarked upon in 1965-66 as an integral part of the Green Revolution, the High Yielding Varieties Programme (HYVP) included which of the following crops?

Ans

✗ A. Cotton, jute

✓ B. Wheat, rice

✗ C. Tea, coffee

✗ D. Peas, gram

Q.15 Gir forest, which is famous for the Asiatic lion, is located in:

Ans

✗ A. Punjab

✓ B. Gujarat

✗ C. Andaman and Nicobar Islands

✗ D. Odisha

Q.16 Manyata rowed a certain distance downstream in 2 hours while it took her 30 minutes more to row the same distance upstream. How much time will she take to make the two-way journey in still water?

Ans

✗ A. 4:15:10 hours

✗ B. 4:10 hours

✓ C. 4:26:40 hours

✗ D. 4:02:20 hours

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Q.17 If $\tan\theta = \frac{\sqrt{5}}{2}$ and θ is an acute angle, find the value of $\sec\theta$.

Ans

✔ A. $\frac{3}{2}$

✘ B. $\frac{\sqrt{6}}{2}$

✘ C. 2

✘ D. 1

Q.18 Read the given statement and conclusions carefully. Decide which of the given conclusion/s is/are true based on the given statement.

Statement:

$K \geq L > M < N \leq X$

Conclusions:

I. $X > M$

II. $X > L$

III. $M < K$

IV. $L > K$

Ans

✘ A. Only conclusion I is true

✔ B. Only conclusions I and III are true

✘ C. Only conclusions I and IV are true

✘ D. Only conclusion II is true

Q.19 Rohan is facing west. He turns 45 degrees anti-clockwise and then turns 180 degrees towards his right. In which direction is he facing now?

Ans

✘ A. South-West

✔ B. North-East

✘ C. North

✘ D. East

Q.20 In a school, the number of students in Grades 6, 7 and 8 was 184, 276 and 322, respectively. Students in each grade were divided into different sections, but every section across grades had the same number of students. For each section, a class teacher was appointed. What was the minimum number of class teachers required for the purpose?

Ans

✘ A. 18

✘ B. 46

✘ C. 23

✔ D. 17

Q.21 Find the radius of a sphere having a surface area of $900\,\pi\ cm^2$.

Ans

✘ A. 18 cm

✘ B. 20 cm

✔ C. 15 cm

✘ D. 12 cm

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Q.22 Which award was conferred by the Indian Chamber of Commerce (ICC) to IREDA on 11 May 2021?

Ans

✗ A. Global Energy Award

✓ B. Green Urja Award

✗ C. National Energy Conservation Award

✗ D. India Power Award

Q.23 Aamish's birthday on 25th February 2020 was a Tuesday. Which day of the week was his brother's birthday, which was on 13th May 2020?

Ans

✓ A. Wednesday

✗ B. Tuesday

✗ C. Monday

✗ D. Thursday

Q.24 Study the given information carefully and answer the question that follows.

Colleagues Karna, Michelli, Prabhu, Vanaja, Mohan, Raghu, Jockey and Neelima are sitting around a square table in such way that four of them sit at corners and four of them at the middle of the sides. The ones who sit at the corners face outside (opposite to the centre) and the ones who sit at the middle of the sides face towards centre. Vanaja is seated third to the right of Jockey. Vanaja faces towards the centre. Mohan is third to the left of Prabhu. Prabhu is not sitting at middle of any of the sides. Only one person sits between Mohan and Raghu. Raghu is not an immediate neighbour of Prabhu. Neelima faces towards the centre. Karna is not an immediate neighbour of Raghu.

Who is an immediate neighbour of both Mohan and Raghu?

Ans

✓ A. Jockey

✗ B. Vanaja

✗ C. Michelli

✗ D. Prabhu

Q.25 The Fundamental Duties in the Constitution of India were adopted from the:

Ans

✓ A. USSR Constitution

✗ B. Irish Constitution

✗ C. Japanese Constitution

✗ D. US Constitution

Q.26 The difference between the value of exports and the value of imports of goods of a country in a given period of time is called _____.

Ans

✗ A. Capital Trade

✗ B. Marginalised Trade

✗ C. Exchange of Trade

✓ D. Balance of Trade

Q.27 Rengma is primarily a folk dance of _____.

Ans

✗ A. Bihar

✗ B. West Bengal

✓ C. Nagaland

✗ D. Rajasthan

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Q.28 If $\cos A = \frac{\sqrt{3}}{2}$, A is an acute angle, then find the value of $\frac{\tan A - \cot A}{\sqrt{3} - secA}$.

Ans

✗ A. -2.5

✓ B. -2

✗ C. -3.5

✗ D. 2.5

Q.29 105 people could complete a work in 36 days. But after they worked together for 8 days their employer wanted that the work should be completed in a total of 29 days. How many more workers need to be employed to meet the deadline?

Ans

✗ A. 40

✓ B. 35

✗ C. 28

✗ D. 42

Q.30 The average of five consecutive natural numbers is 12. What will be the average of the seven numbers if the next two natural numbers are also included?

Ans

✗ A. 14

✓ B. 13

✗ C. 15

✗ D. 13.5

Q.31 Simplify: $65 - [40 - (60 \div 5 - (18 - 24 \div 4) \div 6)]$

Ans

✗ A. 30

✗ B. 40

✗ C. 37

✓ D. 35

Q.32 Neeraj Chopra ranked at which position in the World Athletics Men's Javelin rankings as of 10 August 2021?

Ans

✓ A. Second

✗ B. Seventh

✗ C. Third

✗ D. Fifth

Q.33 Which of the following is NOT a coniferous tree?

Ans

✗ A. Spruce

✗ B. Cedar

✓ C. Jatropha

✗ D. Pine

Q.34 What is the measure of each interior angle of a regular octagon?

Ans

✗ A. 140^0

✗ B. 130^0

✓ C. 135^0

✗ D. 125^0

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Q.35 A sum of ₹7,500 amounts to ₹11,700 in 8 years at a certain rate of simple interest. Find the rate of interest per annum.

Ans

✔ A. 7%

✘ B. 7.5%

✘ C. 8%

✘ D. 6%

Q.36 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

$3 \times 16.13 + 15.03 - 7.86 \div \sqrt{15} = ?$

Ans

✘ A. 98

✔ B. 61

✘ C. 47

✘ D. 121

Q.37 B's mother is the daughter of F. C is the son of F and D. G is the son of C and E. D is the mother of R. How is F related to G?

Ans

✘ A. Father's mother

✘ B. Brother

✘ C. Mother's father

✔ D. Father's father

Q.38 Which one of the following poverty alleviation program was launched before year 2000 in India?

Ans

✘ A. Sampoorna Grameen Rozgar Yojana

✔ B. Swaranjayanti Gram Swarozgar Yojana

✘ C. National Food for Work Programme

✘ D. Valmiki Ambedkar Awas Yojana

Q.39 In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

Ans

✔ A. 18 : 345

✘ B. 14 : 207

✘ C. 16 : 267

✘ D. 12 : 155

Q.40 What is a Per unit Tax (or Unit Tax)?

Ans

✘ A. A tax that the factory imposes on total unit purchase on imports.

✘ B. A tax that the government imposes per unit purchase on imports.

✔ C. A tax that the government imposes per unit sale of output.

✘ D. A tax that the factory imposes per unit sale of output.

Q.41 A certain quantity of a 35% sugar solution is mixed with 8 litres of a 48% sugar solution to obtain a 40% sugar solution. How many litres of the 35% sugar solution was there in the mixture?

Ans

✔ A. 12.8

✘ B. 13.6

✘ C. 13.2

✘ D. 12.5

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Q.42 A major population of Israel is:

Ans

✗ A. Toda

✗ B. Beja

✓ C. Jewish

✗ D. Lurish

Q.43 Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions is/are true based on the given statements.

Statement: £ < π ≤ μ > Ω, μ ≥ β = α

Conclusions:

I. £ ≤ β

II. Ω < π

Ans

✓ A. Neither I nor II is true

✗ B. Only II is true

✗ C. Only I is true

✗ D. Both I and II are true

Q.44 Colossal statues of Kushana rulers have been found installed in a shrine at Mat. Which of the following is that state?

Ans

✗ A. Bihar

✗ B. Madhya Pradesh

✓ C. Uttar Pradesh

✗ D. Odisha

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 papers are tables.

Some ropes are tables.

All tables are clothes.

Conclusions:

(I) Some papers are clothes.

(II) Some ropes are clothes.

(III) No cloth is a rope.

(IV) No paper is a rope.

Ans

✗ A. Only conclusion I follows

✓ B. Only conclusions I, II follow

✗ C. Only conclusions III and IV follow

✗ D. None of the conclusions follow

Q.46 The Annual Financial Statement, which is presented as a part of budget, is covered under which Article of the Constitution of India?

Ans

✗ A. Article 115

✗ B. Article 114

✓ C. Article 112

✗ D. Article 113

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Q.47 In Natya Shastra, Bharat Muni has clubbed musical instruments into how many groups?

Ans

✗ A. 7

✗ B. 6

✓ C. 4

✗ D. 3

Q.48 What is the name of the new geospatial planning portal launched by the Union Minister of Rural Development and Panchayati Raj Sri Giriraj Singh in 2021?

Ans

✗ A. Yojanadhara

✗ B. Muktidhara

✗ C. Akashdhara

✓ D. Yuktdhara

Q.49 A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Four of them are sitting at each of the corners, while the other four are sitting at the exact centre of each of the sides.
B sits at one of the corners of the table. Only two people sit between B and D. C sits second to the right of D. Only three people sit between C and A. E sits to the immediate left of A. F sits second to the right of G. Who sits second to the left of H?

Ans

✗ A. A

✓ B. C

✗ C. G

✗ D. E

Q.50 Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and the second letter-cluster is related to the first letter-cluster.

WINTER : EINRTW :: TRAY : ARTY :: LADIES : ?

Ans

✓ A. ADEILS

✗ B. DAIELS

✗ C. DAEILS

✗ D. ADIELS

Q.51 A can do a job alone in 66 days, B can do it alone in 55 days, while A, B and C working together can complete the job in 22 days. In how many days can C do the job alone?

Ans

✓ A. 82.5

✗ B. 85

✗ C. 81.5

✗ D. 84

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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 computers are laptops.

Some laptops are mobiles.

Conclusions:

I. Some computers are mobiles.

II. Some mobiles are computers.

III. Some mobiles are laptops.

Ans

✔ A. Only conclusion III follows

✘ B. Only conclusions I and II follow

✘ C. All conclusions I, II and III follow

✘ D. Only conclusion II follows

Q.53 Which is the Indian state with highest percentage of Scheduled Castes (SCs) in their population as per the Census of 2011?

Ans

✔ A. Punjab

✘ B. Himachal Pradesh

✘ C. Uttar Pradesh

✘ D. Haryana

Q.54 Eight people F, H, K, N, P, S, V, X are sitting in a straight line and all are facing north.
Neither F nor H sit at any of the extreme ends of the line. F sits fourth to the right of H. Only two people sit between F and K. More than two people sit between P and K. P does not sit at an extreme end. S sits to the immediate right of V. X sits at one of the positions to the left of V.
What is the position of N from the right end of the line?

Ans

✘ A. Second

✔ B. First

✘ C. Fourth

✘ D. Sixth

Q.55 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BOY, FMU, ?, NIM, RGI

Ans

✘ A. ILR

✘ B. IKR

✘ C. JLQ

✔ D. JKQ

Q.56 Who among the following co-founded the Calcutta Unitarian Society and founded the Brahma Samaj?

Ans

✘ A. Debendranath Tagore

✘ B. Keshab Chandra Sen

✔ C. Raja Ram Mohan Roy

✘ D. Iswar Chandra Vidyasagar

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Q.57 Which of the following is the third-generation fire-and-forget anti-tank guided missile that was successfully flight tested by DRDO in July 2021?

Ans

✗ A. HELINA

✗ B. SANT

✓ C. MPATGM

✗ D. SAMHO

Q.58 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

TUP___PKT__KTUP_

Ans

✗ A. TTUUPK

✓ B. KTUUPK

✗ C. TUUUPK

✗ D. UTTPKT

Q.59 Refer to the given letter, number, symbol series and answer the question that follows.

(Left) K L % Y & 4 E 2 * 3 M & 7 S W # 8 2 H * L (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the left?

Ans

✗ A. 2

✓ B. 3

✗ C. 7

✗ D. M

Q.60 Shilpa and Radhika started walking from two different points, 'A' and 'B', respectively. Shilpa walks 4 km North, turns to the East and walks 6 km, again turns to the North and walks 8 km, and finally turns to the East and walks 10 km to reach point 'C'. Similarly, Radhika walks 4 km North, and turns to the West and walks 6 km, and finally turns to the North and walks 8 km and meets Shilpa at point 'C'. What is the shortest distance between Shilpa's and Radhika's starting points?

Ans

✗ A. 26 km

✗ B. 10 km

✓ C. 22 km

✗ D. 16 km

Q.61 Evaluate the following:

$\sin 60^0 + \tan 30^0 + \cos 45^0$

Ans

✗ A. $\frac{5\sqrt{2}+3\sqrt{3}}{4}$

✗ B. $\frac{3\sqrt{2}+5\sqrt{3}}{4}$

✗ C. $\frac{5\sqrt{2}+3\sqrt{3}}{6}$

✓ D. $\frac{3\sqrt{2}+5\sqrt{3}}{6}$

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Q.62 Which of the following numbers is divisible by 8?

Ans
- ✔ A. 12312
- ✘ B. 12316
- ✘ C. 12318
- ✘ D. 12314

Q.63 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

BRELF : CFGMS :: MJCLH : DIKLM :: EODET : ?

Ans
- ✘ A. FFEPU
- ✘ B. EFFBT
- ✔ C. EFFPU
- ✘ D. FFAYT

Q.64 _____ is the world's second largest and second most populous continent as per UN World Population Prospects 2019.

Ans
- ✘ A. Europe
- ✔ B. Africa
- ✘ C. North America
- ✘ D. Asia

Q.65 Which of the following regions is known for oil extraction in India?

Ans
- ✘ A. Bokaro
- ✘ B. Kolar
- ✘ C. Jharia
- ✔ D. Mumbai High

Q.66 The perimeters of two squares differ by 48 cm. If the side of one square is four times the side of the other square, then find the area of the larger square (in cm^2).

Ans
- ✔ A. 256
- ✘ B. 289
- ✘ C. 196
- ✘ D. 225

Q.67 The Prime Minister of Bangladesh, Sheikh Hasina was conferred with which of the following prestigious awards on 20 September 2021?

Ans
- ✔ A. SDG Progress Award
- ✘ B. Indira Gandhi Prize
- ✘ C. Swadhinata Puraskar
- ✘ D. UN Environment Prize

Q.68 Who was conferred with the Tansen Samman 2020 by Madhya Pradesh government in January 2021?

Ans
- ✘ A. Vidyadhar Vyas
- ✘ B. Dalchand Sharma
- ✔ C. Satish Vyas
- ✘ D. Manju Mehta

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Q.69 In each of the given number-clusters, the number on the right side of = (the equal to sign) is calculated by performing certain mathematical operations on the two numbers on the left of = (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

69, 87 = 39

93, 95 = 47

52, 64 = ?

Ans

✔ A. 29

✘ B. 45

✘ C. 53

✘ D. 37

Q.70 Ten people are sitting in two parallel rows 1 and 2. A, B, C, D and E are sitting in row 1 facing south, and V, W, X , Y and Z are sitting in row 2 facing north, in such a way that each member in row 1 faces a member of row 2.
W sits second from the left end of the row. W faces an immediate neighbour of A. B sits second to the left of A. Only one person sits between C and the one who faces V. Neither C nor V sit at any of the extreme ends. V faces an immediate neighbour of D. The one who faces E sits to the immediate left of X. Only one person sits between Y and X. Who faces Z?

Ans

✔ A. A

✘ B. B

✘ C. D

✘ D. C

Q.71 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 bats are balls.

All balls are caps.

All caps are players.

No player is a hat.

Conclusions:

I. No bat is a cap.

II. All caps are balls.

III. Some hats are caps

IV. No hat is a ball.

Ans

✘ A. Only conclusion II follows.

✔ B. Only conclusion IV follows.

✘ C. Both conclusions I and III follow.

✘ D. Only conclusion I follows.

Q.72 In a bag full of pencils, $\frac{3}{4}$ of the pencils were coloured pencils, and $\frac{8}{15}$ of the coloured pencils were red. If there were 40 red pencils in the bag, what was the total number of pencils in the bag?

Ans

✔ A. 100

✘ B. 120

✘ C. 150

✘ D. 180

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Q.73 The LCM of two numbers is 28 times their HCF, and the difference in the LCM and HCF is 405. If the numbers are in the ratio 4 : 7, then find the positive difference between the numbers.

Ans

✗ A. 49

✓ B. 45

✗ C. 52

✗ D. 42

Q.74 If 10th May of a given year is Monday, what day of the week will be 11th July of the same year?

Ans

✓ A. Sunday

✗ B. Thursday

✗ C. Monday

✗ D. Tuesday

Q.75 In a certain code language, 'TEACHER' is written as 'CAHEETR', and 'STUDENT' is written as 'DUETNST'. How will 'SUCCESS' be written in that language?

Ans

✗ A. CECSUSS

✓ B. CCEUSSS

✗ C. SCUSCES

✗ D. UCSECSS

Q.76 The Jawaharlal Nehru Port is situated in which of the following cities?

Ans

✓ A. Navi Mumbai

✗ B. Kandla

✗ C. Mormugao

✗ D. Kochi

Q.77 The actual or realised value of a variable as opposed to its planned value is called _____.

Ans

✓ A. Ex post

✗ B. Ex ante

✗ C. Ex flow

✗ D. Ex barter

Q.78 Simplify:

$$\sqrt[6]{4096} + \sqrt[4]{4096} + \sqrt[3]{4096} + \sqrt{4096}$$

Ans

✓ A. 92

✗ B. $\frac{\sqrt{2}}{2}$

✗ C. 90

✗ D. $\sqrt{2}$

Q.79 In a queue of commanders, Andry is 17th from the extreme front-end and Brooke is 32nd from the extreme back-end. If the two exchange their positions, Andry becomes 37th from the front end. What is the total number of commanders?

Ans

✗ A. 70

✗ B. 69

✗ C. 67

✓ D. 68

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Q.80 According to the Census of India 2011, _____ has the highest sex ratio of 1084 females per 1000 males.

Ans

✗ A. Karnataka

✓ B. Kerala

✗ C. Punjab

✗ D. Tamil Nadu

Q.81 The style of temple architecture that became popular in _____is known as Nagara.

Ans

✗ A. eastern India

✓ B. northern India

✗ C. southern India

✗ D. western India

Q.82 The difference between the external and internal curved surface areas of a 7 cm long cylindrical metallic pipe is 110 cm^2. If the pipe is made of 302.5 cm^3 metal, then find the inner radius of the pipe.

$\left(Use\ \pi = \frac{22}{7}\right)$

Ans

✗ A. 2.2 cm

✗ B. 1.8 cm

✓ C. 1.5 cm

✗ D. 1.6 cm

Q.83 A question is given, followed by three statements labelled I, II and III. Identify which of the statements is/are sufficient to answer the question.

Question:

What is Mala's age?

Statements:

I. The sum of Rohan's, Sheela's and Mala's age is 95.

II. Rohan is younger than Mala.

III. Mala is 10 years older than Sheela.

Ans

✗ A. Statements I, II and III together are sufficient.

✗ B. Statement I alone is sufficient, while Statement II alone is not sufficient.

✓ C. Statement I, II and III together are not sufficient.

✗ D. Statement II alone is sufficient, while Statement III alone is not sufficient.

Q.84 Six students, P, Q, R, S, T and U have been instructed to keep their books on six different shelves of a bookshelf having only six shelves one over the other. Books of S are kept on the topmost shelf. Books of P and U are kept on third shelves from the extreme top and extreme bottom, respectively. Only books of R are kept between the shelves containing books of U and Q. Books of student T are kept on which shelf from the extreme top?

Ans

✗ A. 4^{th}

✓ B. 2^{nd}

✗ C. 1^{st}

✗ D. 3^{rd}

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Q.85 The statement that the upward buoyant force that is exerted on a body immersed in a fluid, whether fully or partially, is equal to the weight of the fluid that the body displaces is related to:

Ans

✗ A. Beer Lambert Law

✗ B. Pascal's Law

✓ C. Archimedes' Principle

✗ D. Bernoulli's Principle

Q.86 'Natural Levees' are:

Ans

✗ A. depositional landforms of wind

✗ B. erosional landforms of wind

✓ C. depositional landforms of river

✗ D. erosional landforms of river

Q.87 Data was gathered from a survey as to what sport was liked by the people surveyed. The data was represented by a pie chart, and the sector representing people who liked soccer had a central angle of 54^0. What percentage of the people surveyed liked soccer?

Ans

✗ A. 10%

✗ B. 12.5%

✗ C. 20%

✓ D. 15%

Q.88 The tribal people of which Indian state celebrate Sarhul festival where a sal tree is worshipped for health and prosperity?

Ans

✗ A. Rajasthan

✗ B. Gujarat

✓ C. Jharkhand

✗ D. Meghalaya

Q.89 Which of the following places is known for copper mines in India?

Ans

✓ A. Khetri

✗ B. Kudremukh

✗ C. Kolar

✗ D. Ratnagiri

Q.90 Which of the following services was NOT present in India for the common man at the time of Independence?

Ans

✓ A. Call centres

✗ B. Postal services

✗ C. Telegraph services

✗ D. Railways

Q.91 If 15% of A : 25% of B :: 8 : 11, then A : B is equal to:

Ans

✗ A. 4 : 3

✗ B. 33 : 32

✗ C. 5 : 4

✓ D. 40 : 33

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Q.92 India falls in which of the following categories, according to the Human Development Index (as per HDI, 2020)?

Ans

- ✗ A. High human development
- ✗ B. Low human development
- ✓ C. Medium human development
- ✗ D. Very high human development

Q.93 What is the median of 5, 2, 7, 8, 1 and 4?

Ans

- ✓ A. 4.5
- ✗ B. 7
- ✗ C. 8
- ✗ D. 7.5

Q.94 Which of the following ports is NOT located in Asia?

Ans

- ✗ A. Singapore
- ✗ B. Shanghai
- ✗ C. Osaka
- ✓ D. Rotterdam

Q.95 Two cylinders have the same volume, but the radius of the base of the second cylinder is 20% less than the radius of the base of the first. How much greater should the height of the second cylinder be in comparison to the height of the first?

Ans

- ✗ A. 55.25%
- ✓ B. 56.25%
- ✗ C. 56.75%
- ✗ D. 55.75%

Q.96 The area of a trapezium is 140 cm^2 and the perpendicular distance between its parallel sides is 7 cm. If the length of one of the parallel sides is 28 cm, what is the length of the other parallel side?

Ans

- ✓ A. 12 cm
- ✗ B. 16 cm
- ✗ C. 14 cm
- ✗ D. 10 cm

Q.97 Which Indian-American player has won the Wimbledon junior men's title in July 2021?

Ans

- ✗ A. Dhruv Sunish
- ✓ B. Samir Banerjee
- ✗ C. Adil Kalyanpur
- ✗ D. Siddhant Banthia

Q.98 If each of the letters of the word 'STADIUM' are re-arranged in the English alphabetical order, then the position of which letter will remain unchanged?

Ans

- ✗ A. D
- ✓ B. All letters change their position
- ✗ C. U
- ✗ D. T

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Q.99 Pandit Bhimsen Joshi who received Bharat Ratna in 2008 was popular for the khayal form of singing and belonged to the _____ Gharana.

Ans

✗ A. Gwalior

✗ B. Patiala

✓ C. Kirana

✗ D. Agra

Q.100 Article 315 of the Constitution of India is related to the:

Ans

✗ A. establishment of NTA and SSC

✗ B. establishment of NTA

✗ C. establishment of SSC

✓ D. establishment of UPSC and SPSC

Q.101 Evaluate:

$$\frac{2.91^2 - 1.09^2}{1.82}$$

Ans

✗ A. 3

✗ B. 2

✗ C. 5

✓ D. 4

Q.102 Rohan had a cuboidal box having dimensions of 36 cm × 25 cm × 20 cm. He packed into it as many cubes as possible, each of which has edges 4 cm long. How much space will be still left in the box?

Ans

✓ A. $720\ cm^3$

✗ B. $780\ cm^3$

✗ C. $680\ cm^3$

✗ D. $820\ cm^3$

Q.103 The Kandariya Mahadeva temple dedicated to Lord Shiva was constructed in c.999 CE by king Dhangadeva of the_____.

Ans

✗ A. Kalachuri dynasty

✓ B. Chandela dynasty

✗ C. Rashtrakuta dynasty

✗ D. Chalukya dynasty

Q.104 Which technology was developed by Defence Research and Development Organisation to protect naval ships against missile attacks in April 2021?

Ans

✓ A. Advanced Chaff Technology

✗ B. Man-portable Radar Technology

✗ C. Baffle Range Technology

✗ D. Imaging Infra-Red Technology

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Q.105 Find the value of k, if 18% of 450 = 30% of k.

Ans

✗ A. 320

✗ B. 750

✓ C. 270

✗ D. 250

Q.106 If in a code language, 'chef' is coded as 'glass', 'glass' is coded as 'cup', 'cup' is coded as 'cool', and 'cool' is coded as 'rich', then who cooks the food?

Ans

✗ A. cook

✓ B. glass

✗ C. cup

✗ D. rich

Q.107 On which day is Gudi Padwa celebrated in the month of Chaitra as per the Hindu calendar?

Ans

✗ A. Second

✓ B. First

✗ C. Fifth

✗ D. Fourth

Q.108 A sum of ₹22,100 was divided between Timir and Monali in such a way that if both invested their shares at 10% compound interest per annum, the amount payable on maturity to Monali after 18 years would be the same as the amount payable on maturity to Timir after 20 years. What was the share of Monali in the initial sum?

Ans

✗ A. ₹12,180

✓ B. ₹12,100

✗ C. ₹12,050

✗ D. ₹12,150

Q.109 A batsman scored 84 runs in his 12^{th} innings, thereby improving his average score per innings by 4 runs. What is the average score per innings of the batsman after the 12^{th} innings?

Ans

✗ A. 44

✓ B. 40

✗ C. 42

✗ D. 36

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Q.110 In a certain code language,

'Space Thee Bliss' is written as 'is jk th',

'Bliss Youth Last' is written as 'th cu wn',

'River Last God' is written as 'cu gd ap',

'Bliss Thee Bad' is written as 'jk th if'.

How will 'Bliss Thee Youth' be written in that language?

Ans

✗ A. jk cu wn

✓ B. th jk wn

✗ C. th jk gd

✗ D. th cu wn

Q.111 The selling price of 32 items is equal to the cost price of 38 items. Find the profit percentage.

Ans

✗ A. 16.25%

✗ B. 15.79%

✓ C. 18.75%

✗ D. 19.25%

Q.112 The Sattriya dance form was introduced in the _____ by the great Vaishnava saint and reformer of Assam, Mahapurusha Sankaradeva.

Ans

✗ A. 19^{th} century A.D

✗ B. 11^{th} century A.D

✓ C. 15^{th} century A.D

✗ D. 17^{th} century A.D

Q.113 How many sex chromosomes are there in a normal human being?

Ans

✓ A. Two

✗ B. Eight

✗ C. One

✗ D. Four

Q.114 Who was the successor of Shahjehan Begum, the ruler of Bhopal, who provided money for the preservation of the ancient site Sanchi?

Ans

✗ A. Chand Bibi

✗ B. Razia Sultana

✗ C. Mariam-uz-Zamani

✓ D. Sultan Jehan Begum

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Q.115 Select the number from among the given options that can replace the question mark (?) in the following series.

1, 64, 343, 1000, ?, 4096

Ans

✗ A. 2245

✗ B. 2098

✓ C. 2197

✗ D. 3065

Q.116 In which of the Five-Year Plans, was the main slogan 'towards Faster and more inclusive growth' used?

Ans

✓ A. 11^{th}

✗ B. 8^{th}

✗ C. 10^{th}

✗ D. 9^{th}

Q.117 Four years ago, the age of the mother was 13 times the age of her daughter. Two years hence, the mother's age will be 4 times the daughter's age. After how many years will the mother's age be 3 times that of her daughter?

Ans

✓ A. 6

✗ B. 4

✗ C. 5

✗ D. 7

Q.118 What will be the amount payable on maturity if ₹2,000 is invested for a period of three years at 30% p.a. interest compounded yearly?

Ans

✓ A. ₹4,394

✗ B. ₹4,388

✗ C. ₹4,398

✗ D. ₹4,384

Q.119 Which Article of the Indian Constitution is related with the High Courts for States?

Ans

✗ A. 148

✓ B. 214

✗ C. 248

✗ D. 188

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Q.120 The following table depicts the number of people in 4 different villages (A, B, C and D), and the ratio of literate to illiterate people in those villages.

Villages	Population	Literate : Illiterate
A	1500	2:3
B	4000	11:9
C	3000	13:2
D	5500	4:1

What is the percentage of literate people in all the four villages together?

Ans

✗ A. 67%

✗ B. 65%

✗ C. 72%

✓ D. 70%

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	15/06/2022
Test Time	12:45 PM - 2:15 PM
Subject	NTPC

*** 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 : **NTPC**

Q.1 Few people are sitting in a straight row facing north. A is sixth to the left of C. D is in fourth position to the right of A. Exactly two people are sitting between H and A. B is fourth to the right of C. E is an immediate neighbour of both D and C. F is second to the left of E. C is eighth from the right end. There are exactly six persons sitting between G and F. G is third from one of the extreme ends. How many people are sitting in the row in total?

Ans
- ✗ A. 8
- ✗ B. 14
- ✓ C. 20
- ✗ D. 22

Q.2 The compound interest on a sum of ₹1,250 for two years is ₹102 when interest is compounded annually at a certain rate per cent p.a. What is the rate of interest per annum?

Ans
- ✗ A. 3.9%
- ✗ B. 4.08%
- ✓ C. 4%
- ✗ D. 3.5%

Q.3 When was "Food for Work" programme first launched in India?

Ans
- ✗ A. 1976
- ✓ B. 1977
- ✗ C. 1975
- ✗ D. 1978

Q.4 In a row of students all facing north, Aniket is 12^{th} from the left and Kavlin is 18^{th} from the right. If their positions are swapped, Kavlin becomes 14^{th} from the right. What is the total number of students in the row?

Ans
- ✗ A. 31
- ✗ B. 26
- ✓ C. 25
- ✗ D. 27

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Q.5 If in a certain code language, 'Cricket' is called 'Archery', 'Archery' is called 'Football', and 'Football' is called 'Volleyball', then which game is played with a bat?

Ans

✗ A. Volleyball

✓ B. Archery

✗ C. Cricket

✗ D. Football

Q.6 Five students A, B, C, D and E study in different schools K, L, M, N and O, but not necessarily in the same order. Each one likes only one subject, viz., Hindi, Mathematics, Science, Social Science and English. C studies in M. B does not like Social Science. D likes English and studies in N. The student of L likes Math. E likes Hindi but is neither from O nor L. B studies in O.

Which one of the following students studies in school L and likes Mathematics?

Ans

✗ A. B

✓ B. A

✗ C. D

✗ D. C

Q.7 Two statements I and II are given. These statements may be either independent causes or may be the effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following options correctly depicts the relationship between these two statements.

Statements:

I. A substantial increase in the spread of COVID positive cases especially among people less than 18 years of age is expected in the city during the next 2 months.

II. The government has announced that all schools will remain closed until the COVID situation subsides.

Ans

✓ A. Statement I is the cause and statement II is its effect

✗ B. Both statements I and II are independent causes

✗ C. Both statements I and II are the effects of independent causes

✗ D. Statement II is the cause and statement I is its probable effect

Q.8 A car covers a certain distance at a speed of 45 km/h and returns to the starting point following the same path at a speed of 36 km/h. Find the average speed for the entire journey (in km/h).

Ans

✓ A. 40

✗ B. 38

✗ C. 42

✗ D. 35

Q.9 Find the HCF of $3x^2yz$, $5xy^2z$, $12x^2y^2z^3$.

Ans

✗ A. 180xyz

✓ B. xyz

✗ C. $180x^5y^5z^5$

✗ D. $180x^2y^2z^3$

Q.10 In a certain code language, 'TONGUE' is written as 'EOUGNT', and 'JEALOUS' is written as 'AEOUJLS'. How will 'STOMACH' be written in that language?

Ans

✗ A. ACMOHST

✗ B. MOSTACH

✗ C. ACOHMST

✓ D. AOCHMST

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Q.11 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 horses are pigs.

All pigs are fishes.

Conclusions:

I. All fishes are pigs.

II. All horses are fishes.

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.12 Who won the Sahitya Akademi Yuva Puraskar 2021 for her first book 'A Burning', published in 2020?

Ans

✗ A. Ganga Sharma

✗ B. Yashica Dutt

✗ C. Bipasha Bora

✓ D. Megha Majumdar

Q.13 Which two countries conducted the first bilateral tri-service exercise 'Konkan Shakti 2021'?

Ans

✗ A. India and Maldives

✗ B. Indonesia and India

✗ C. Russia and India

✓ D. India and the UK

Q.14 Evaluate:

$$\frac{0.4 \times 0.4 \times 0.4 + 0.05 \times 0.05 \times 0.05}{0.8 \times 0.8 \times 0.8 + 0.1 \times 0.1 \times 0.1}$$

Ans

✗ A. $\frac{1}{7}$

✗ B. $\frac{1}{4}$

✓ C. $\frac{1}{8}$

✗ D. $\frac{1}{10}$

Q.15 Point A is 15 m to the west of Point C. Point B is 22 m to the north of Point C. Point D is 18 m to the east of Point B. Point E is 11 m to the south of point D. Point X is 33 m to the west of Point E.
What is the shortest distance between Point A and Point X?

Ans

✗ A. 10 m

✗ B. 22 m

✗ C. 3 m

✓ D. 11 m

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Q.16 Promoting education and economic interests of weaker sections of the society, especially the Scheduled Castes and Scheduled Tribes comes under which of the following?

Ans

✗ A. Fundamental Rights

✓ B. Directive principles of the State policy

✗ C. Fundamental duties

✗ D. Fifth Schedule

Q.17 The Lauria Nandangarh Pillar is located in _____.

Ans

✗ A. Kumrahar

✗ B. Patna

✗ C. Varanasi

✓ D. Champaran

Q.18 Find k such that a 7-digit number 51032kk is divisible by 12.

Ans

✗ A. 6

✗ B. 4

✓ C. 8

✗ D. 2

Q.19 Which of the following scientists has NOT received the Shanti Swarup Bhatnagar Prize 2021?

Ans

✗ A. Dr Amit Singh

✗ B. Dr Binoy Kumar Saikia

✗ C. Dr Anish Ghosh

✓ D. Dr. Dheeraj Kumar

Q.20 In a certain code language,
'we can sing' is coded as 'pd ns ca',
'sing new songs' is coded as 'io uv ca',
'can join new' is coded as 'km uv pd'.
(Note: All codes are two letter codes only)

What is the probable code for 'we join' in the given code language?

Ans

✗ A. uv km

✗ B. ns pd

✓ C. km ns

✗ D. pd uv

Q.21 Which of the following law states that "as more and more units of a variable factor are employed with fixed factors and technology, its marginal product eventually declines."

Ans

✓ A. The law of diminishing returns to a factor

✗ B. The marginal rate of technical substitution

✗ C. Law of diminishing marginal utility

✗ D. The law of variable proportions

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Q.22 The kingdom of Awadh was formally annexed by the British in the year ____.

Ans

✗ A. 1897

✓ B. 1856

✗ C. 1801

✗ D. 1805

Q.23 _____ is an exclusive martial dance form of Manipur that includes unique display of skill, creativity and agility in which the performers enact a mock fight sequence

Ans

✗ A. Singhi Chamm

✗ B. Chakyar Koothu

✗ C. Rangama

✓ D. Thang Ta

Q.24 Three varieties of tea, whose cost prices per kg are ₹500, ₹720 and ₹900 are blended in the ratio 9 : 5 : 11. What should be the selling price per kg of the blended tea if the seller has to make a profit of 20%?

Ans

✗ A. ₹884

✗ B. ₹854

✗ C. ₹844

✓ D. ₹864

Q.25 Select the correct conclusion that could be drawn from the given expression.

$F \leq E < C = V > A \geq Y > N$

Ans

✗ A. $E > Y$

✓ B. $N < V$

✗ C. $F = V$

✗ D. $V < Y$

Q.26 A can do 87.5% of the work in 35 days while B can do 65% of the same work in 23.4 days. If they work together, what fraction of the work will get done in 1 day?

Ans

✗ A. $\frac{1}{19}$

✗ B. $\frac{7}{120}$

✓ C. $\frac{19}{360}$

✗ D. $\frac{1}{20}$

Q.27 The sum of the radius of the base and the height of a solid right circular cylinder is 39 cm. Its total surface area is 1716 cm^2. What is the volume (in cm^3) of the cylinder? (Take $\pi=\frac{22}{7}$)

Ans

✗ A. 4774

✗ B. 5082

✓ C. 4928

✗ D. 4620

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Q.28 Six people D, E, K, L, S and T are each of a different height. E is taller than only two people. T is taller than E but shorter than D. Neither D nor K is the tallest. S is shorter than T but not the shortest.
How many people are taller than L?

Ans

✗ A. More than two
✗ B. Two
✗ C. One
✓ D. None

Q.29 Chinook wind also known as 'snow eater' flows in which of the following continents?

Ans

✗ A. Australia
✗ B. Asia
✗ C. Africa
✓ D. North America

Q.30 The National Tribal Dance Festival 2021 was held in which city?

Ans

✓ A. Raipur
✗ B. Bhubaneshwar
✗ C. Guwahati
✗ D. Kolkata

Q.31 Simplify the expression:

$$\frac{4^{524}-4^{522}+30}{4^{522}+2}$$

Ans

✗ A. $\frac{25}{4}$
✗ B. $\frac{15}{4}$
✗ C. 30
✓ D. 15

Q.32 IPv4 address is a string of numbers consisting of four parts, where each part is a number between _____ and _____.

Ans

✓ A. 0, 255
✗ B. 1, 256
✗ C. 0, 256
✗ D. 1, 255

Q.33 A pipe can fill an empty tank in 12.5 hours. At the bottom of the tank there was a leakage point which can drain the completely filled tank in 17.5 hours. The leakage point could be closed after 14 hours of opening the pipe to fill the tank. What was the total time taken (in hours) to fill the tank?

Ans

✓ A. 22.5
✗ B. 20.5
✗ C. 27
✗ D. 25

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Q.34 Which of the following states in general receives maximum proportion of its rainfall from northeast monsoon rainfall?

Ans

✗ A. Gujarat

✗ B. Uttar Pradesh

✓ C. Tamil Nadu

✗ D. Punjab

Q.35 Which of the following persons played the Shehnai at the Red Fort to celebrate the occasion of India's independence in August 1947?

Ans

✗ A. Anant Lal

✗ B. Vasant Desai

✗ C. Ali Ahmed Hussain Khan

✓ D. Bismillah Khan

Q.36 If it was Wednesday on Rahul's birthday in the year 2005, then what will be the day of the week on his next birthday?

Ans

✗ A. Saturday

✗ B. Friday

✓ C. Thursday

✗ D. Tuesday

Q.37 Rachel borrowed ₹10,000 at 10% simple interest per annum. She paid back ₹3,000 after Year 1, ₹2,800 after Year 2, and the remaining amount due after Year 3. If interest was charged on reducing balance, what was the amount Rachel paid as the final instalment?

Ans

✗ A. ₹7,200

✓ B. ₹6,600

✗ C. ₹4,620

✗ D. ₹5,850

Q.38 The _____ of Gunadhya is written in the Paisachi language.

Ans

✗ A. Mrichchhakatika

✗ B. Panchatantra

✓ C. Brihatkatha

✗ D. Kathasaritsagara

Q.39 The ratio of the length, width and height of a cuboid is 60 : 24 : 7 and the length of each of its four space diagonals is 130 cm. What is the volume $(in\ cm^3)$ of the cuboid?

Ans

✗ A. 86400

✗ B. 80460

✗ C. 84600

✓ D. 80640

Q.40 Independence of Judiciary and Judicial review provided in the Constitution of India has been adopted from _____

Ans

✗ A. The Canadian Constitution

✓ B. The US Constitution

✗ C. The Weimar Constitution

✗ D. The British Constitution

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Q.41 The difference between 8% profit and 13% loss while selling an item was ₹115.50. What was the cost price of the item?

Ans

✗ A. ₹540

✗ B. ₹560

✓ C. ₹550

✗ D. ₹580

Q.42 If '<' means '−', '>' means '+', '&' means '×', and '@' means '÷', then what would be the value of the following expression?

119 < 56 @ 4 > 23 & 2

Ans

✗ A. 231

✓ B. 151

✗ C. 191

✗ D. 202

Q.43 The product of 15% of A and 35% of B, when divided by 21% of C gives 37 as the answer. What will be the answer if the product of A and B is divided by C?

Ans

✗ A. 111

✗ B. 185

✓ C. 148

✗ D. 74

Q.44 The given question is based on the following series of letters, numbers and symbols.
(Left) G 6 Y $ V R 7 % @ S 5 4 D W L + 2 M 9 £ (Right)
Which element is fifth to the left of the thirteenth element from the left?

Ans

✗ A. R

✓ B. %

✗ C. @

✗ D. S

Q.45 Ten people are sitting in two parallel rows 1 and 2. A, B, C, D and E are sitting in row 1 facing north, and V, W, X, Y and Z are sitting in row 2 facing south, in such a way that each member in row 1 faces a member of row 2.
A sits second from the left end of the row. V faces an immediate neighbour of A. W sits second to the left of V. The one who faces W, sits to the immediate left of B. E sits at one of the positions to the right of B. Z faces an immediate neighbour of E. Neither X nor D sit at any of the extreme ends of the row.
Who faces D?

Ans

✗ A. X

✗ B. Z

✓ C. W

✗ D. V

Q.46 According to the Union Budget 2022-23, which among the following is NOT one of the seven engines of economic growth under "PM Gati Shakti"?

Ans

✓ A. Communications

✗ B. Roadways

✗ C. Railways

✗ D. Ports

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Q.47 Which of the following was the capital of Magadh for several years before it was shifted to Pataliputra?

Ans

✗ A. Patna

✗ B. Gaya

✗ C. Nalanda

✓ D. Rajagriha

Q.48 In which year did Mahatma Gandhi start the Rowlatt Satyagraha?

Ans

✓ A. 1919

✗ B. 1935

✗ C. 1923

✗ D. 1920

Q.49 In a certain code language, 'CHERRY' is coded as '6-16-10-36-36-50', and 'GRAPES' is coded as '14-36-2-32-10-38'. How will 'LITCHI' be coded in that language?

Ans

✗ A. 26-18-38-6-16-18

✗ B. 26-18-40-6-16-18

✗ C. 24-16-40-6-18-16

✓ D. 24-18-40-6-16-18

Q.50 A tourist group plans to visit six places A, B, C, D, E and F on different days of the same week (starting on Monday and ending on Saturday) during their tour. They visited place D on Monday. They visited only one place between visiting place B and place D. They visited place F the immediate next day of visiting place C. They neither visited place C nor place A on Thursday. On which day did they visit place E?

Ans

✗ A. Friday

✗ B. Saturday

✓ C. Thursday

✗ D. Tuesday

Q.51 Who is the ex- officio Chairman of the Council of States as per the Constitution of India?

Ans

✗ A. The Governor

✓ B. The Vice President

✗ C. The President

✗ D. The Prime Minister

Q.52 _____ is when a government taxing, spending, or borrowing decision has or is intended to have no net effect on the economy.

Ans

✗ A. Fiscal profit

✗ B. Fiscal deficit

✗ C. Fiscal expenditure

✓ D. Fiscal neutrality

Q.53 Number A is eight times as large as number B. By what percentage is number B less than number A?

Ans

✓ A. 87.5%

✗ B. 20%

✗ C. 80%

✗ D. 12.5%

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Q.54 Which of the following chemical reactions is a combination reaction? (Here A, B, C and D represent any element/ molecule)

Ans

✔ A. $A+B \rightarrow AB$

✘ B. $AB+C \rightarrow AC+B$

✘ C. $AB \rightarrow A+B$

✘ D. $AB+CD \rightarrow AD+BC$

Q.55 Which of the following does NOT support bidirectional data transmission?

Ans

✘ A. Half-duplex

✔ B. Simplex

✘ C. Full-duplex

✘ D. Both, half-duplex and full-duplex

Q.56 The Green Revolution within India led to an increase in agricultural production, especially in _____.

Ans

✘ A. Rajasthan , Maharashtra, and Gujarat

✔ B. Haryana, Punjab, and Uttar Pradesh

✘ C. Jharkhand, Punjab, and Uttarakhand

✘ D. Chhattisgarh, Bihar, and Odisha

Q.57 A set of four numbers that begins with the number 53 is arranged from the smallest to largest. If the median is 56, which of the following could possibly be the set of numbers?

Ans

✔ A. 53, 55, 57, 58

✘ B. 53, 57, 61, 65

✘ C. 53, 56, 59, 62

✘ D. 53, 53, 57, 59

Q.58 On simple interest a certain sum becomes 160% of itself in 5 years at a certain rate of interest per annum. In how many years will the sum double itself under the same rate of interest?

Ans

✘ A. 7

✘ B. 10

✔ C. $8\frac{1}{3}$

✘ D. $9\frac{1}{2}$

Q.59 If diameter of a circle is 16 m, then what is the area of the circle?

Ans

✘ A. $128\ \pi\ m^2$

✘ B. $256\pi\ m^2$

✘ C. $96\ \pi\ m^2$

✔ D. $64\pi\ m^2$

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Q.60 Giorgio Parisi won the Nobel Prize 2021 in _____.

Ans

✗ A. Economic Sciences

✓ B. Physics

✗ C. Medicine

✗ D. Chemistry

Q.61 Ten people are sitting in two parallel rows 1 and 2. A, B, C, D and E are sitting in row 1 facing the South and V, W, X , Y and Z are sitting in row 2 facing the North, in such a way that each member in row 1 faces a member of row 2.
W sits at the extreme left end of the row. W faces an immediate neighbour of B. C sits at one of the positions to the left of B but not at the extreme end of the row. The one who faces C sits to the immediate left of Y. D sits third to the right of A. V sits to the immediate right of X. Who faces Z?

Ans

✗ A. D

✓ B. E

✗ C. B

✗ D. A

Q.62 Which institute developed a digital certificate using the Block Chain-driven technology, which was to give digital certificates to the 61 winners of PMRBP 2021 and 2022 by the Prime Minister?

Ans

✓ A. IIT Kanpur

✗ B. IIT Madras

✗ C. IIT Kharagpur

✗ D. IIT Bombay

Q.63 A man on the top of a vertical tower observes a car moving at a uniform speed coming directly towards it. If it takes 10 minutes for the angle of depression to change from 45° to 60°, in how much time will the car reach the tower?

Ans

✓ A. $(15+5\sqrt{3})$ minutes

✗ B. $(3+5\sqrt{3})$ minutes

✗ C. $(15+8\sqrt{3})$ minutes

✗ D. $(15+3\sqrt{3})$ minutes

Q.64 The variable x takes integer values with $0 \le x \le 4$. If the frequency is given by

$f(x) = 1 + x + x(x-1) + \frac{1}{2}x(x-1)(x-2) - \frac{1}{3}x(x-1)(x-2)(x-3)$, then what is the mode of x?

Ans

✗ A. 1

✗ B. 3

✗ C. 2

✓ D. 4

Q.65 Travelling at $\frac{7}{8}$ of his usual speed, Ansh covered a distance of 35 km in 50 minutes. What will be Ansh's usual speed in km/h?

Ans

✗ A. 54

✗ B. 60

✓ C. 48

✗ D. 64

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Q.66 Which Article of the Indian Constitution is related with the Right of President to address and send messages to Houses?

Ans

✗ A. Article 88

✗ B. Article 84

✗ C. Article 90

✓ D. Article 86

Q.67 Sri Lanka is separated from India by a narrow channel of sea formed by:

Ans

✓ A. The Palk Strait and the Gulf of Mannar

✗ B. Only the Gulf of Mannar

✗ C. Strait of Malacca

✗ D. Only the Palk Strait

Q.68 Which of the following groups of metals are so soft that they can be cut with a knife and have low densities and low melting points?

Ans

✗ A. Germanium, Galium, Indium

✓ B. Lithium, Sodium, Potassium

✗ C. Arsenic, Antimony, Bismuth

✗ D. Beryllium, Calcium, Magnesium

Q.69 If $\sec\theta - \tan\theta = 2.5$, then what is the value of $\sec\theta$?

Ans

✗ A. 1.30

✗ B. 1.60

✓ C. 1.45

✗ D. 1.70

Q.70 From the top of a tree 7 m high, the angle of elevation of a tower is 30^0. If the tower is 47 m high, how far away from the tower is the tree positioned?

Ans

✗ A. $45\sqrt{3}$ m

✗ B. 40 m

✗ C. $15\sqrt{3}$ m

✓ D. $40\sqrt{3}$ m

Q.71 The surface area of a sphere is 38.5 cm^2. Find the radius of the sphere. [Use $\pi = \frac{22}{7}$]

Ans

✗ A. 1.5 cm

✗ B. 1.8 cm

✓ C. 1.75 cm

✗ D. 1.4 cm

Q.72 Which of the following festivals is NOT celebrated in the river island of Majuli?

Ans

✗ A. Ali-Aye-Ligang

✓ B. Raja Parba

✗ C. Falgutsav

✗ D. Bihu

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Q.73 Which one of the following is a characteristic of Green Revolution in India?

Ans

✗ A. Considerable rise in the production of quantity of apples

✓ B. Increased and appropriate application of chemical fertilizers for increasing agricultural production.

✗ C. Collection of quality milk from members in rural areas;

✗ D. Steady and assured supply of poultry products.

Q.74 Which style of singing is traditionally performed by men with tanpura and pakhawaj as instrumental accompaniments?

Ans

✗ A. Tarana

✗ B. Thumri

✓ C. Dhrupad

✗ D. Ghazal

Q.75 A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient/necessary to answer the question.

Question:

How many workers are there in a factory?

Statements:

I. There are more than 30 but less than 37 workers in the factory.

II. There are more than 34 but less than 41 workers in the factory. The number of workers in the factory can be divided into two groups in such a manner that each group contains an equal number of workers.

Ans

✗ A. Statements I and II together are not sufficient to answer the question

✗ B. Statement I alone is sufficient to answer the question

✓ C. Both statements I and II together are sufficient to answer the question

✗ D. Statement II alone is sufficient to answer the question

Q.76 Under which of the following Seismic Zones do the Andaman and Nicobar Islands fall?

Ans

✓ A. Zone V

✗ B. Zone II

✗ C. Zone IV

✗ D. Zone III

Q.77 The Indian Railways has completed the world's highest railway-arch bridge over the …… river in Jammu and Kashmir.

Ans

✗ A. Ravi

✓ B. Chenab

✗ C. Indus

✗ D. Jhelum

Q.78 Simplify:

$$18 + 48 \div 12 \times (32 \div 4)^2 - 8$$

Ans

✗ A. 344

✓ B. 266

✗ C. 242

✗ D. 308

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Q.79 There are seven members in a family. D is the mother of F. D is G's father's mother. G is the brother of A and C. F is the only son of E. How is E related to C?

Ans

✗ A. Brother

✗ B. Mother's brother

✗ C. Father

✓ D. Father's father

Q.80 Chakma refugees are migrants to India from which of the following neighbouring countries?

Ans

✓ A. Bangladesh

✗ B. Myanmar

✗ C. China

✗ D. Nepal

Q.81 Simplify the following expression.

$$0.\overline{12} - 0.\overline{6} + 0.\overline{3}$$

Ans

✗ A. $\frac{9}{100}$

✗ B. $\frac{37}{33}$

✗ C. $-\frac{5}{11}$

✓ D. $-\frac{7}{33}$

Q.82 The role of the _____ is to recommend to the President as to measures needed to augment the Consolidated Fund of a State to supplement the resources of the Municipalities in the State on the basis of the recommendations made by the Finance Commission of the State.

Ans

✗ A. NITI Aayog

✗ B. Comptroller and Auditor General of India

✗ C. Finance Ministry

✓ D. Finance Commission

Q.83 Which of the following allotropes of carbon is the hardest natural substance known that has a very high melting and boiling point?

Ans

✗ A. Fullerenes

✓ B. Diamond

✗ C. Dry ice

✗ D. Graphite

Q.84 Select the number from among the given options that can replace the question mark (?) in the following series.

0, 7, 26, 63, ?, 215

Ans

✗ A. 216

✓ B. 124

✗ C. 74

✗ D. 80

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Q.85 In February 2022, Sports Authority of India (SAI) have established a Para Centre under National Centre of Excellence (NCOE) Scheme at which of the following SAI Regional Centres?

Ans

✗ A. Lucknow

✗ B. Bhopal

✗ C. Mumbai

✓ D. Gandhinagar

Q.86 An equilateral triangle ABC is inscribed in a circle with radius 12 cm and centre O. Find the length of each side of the triangle ABC (in cm).

Ans

✓ A. $12\sqrt{3}$

✗ B. $10\sqrt{5}$

✗ C. $14\sqrt{3}$

✗ D. $10\sqrt{3}$

Q.87 Which economist has written the book "*The* General Theory of Employment, Interest and Money (1936)"?

Ans

✓ A. John Maynard Keynes

✗ B. Milton Friedman

✗ C. Adam Smith

✗ D. Vincent Crawford

Q.88 Jai, Pia, Era, Ram and Shubh are sitting in a straight line facing north. Jai is sitting second to the left of Shubh. Shubh is sitting to the immediate right of Era. Pia is sitting at the extreme right end. Ram is sitting to the immediate right of Shubh. Who among the following is sitting at the extreme left end?

Ans

✓ A. Jai

✗ B. Era

✗ C. Shubh

✗ D. Ram

Q.89 The 40^{th} Indian site to be inscribed on the UNESCO World Heritage List is located in the state of _____.

Ans

✗ A. Uttar Pradesh

✗ B. West Bengal

✗ C. Bihar

✓ D. Gujarat

Q.90 Which of the following is NOT among the three distinct human races identified by Georges Cuvier (1828)?

Ans

✗ A. Caucasoid

✗ B. Negroid

✓ C. Laplanderiod

✗ D. Mongoloid

Q.91 Two cubes, each having the length of each side as 8 cm, are joined to form a cuboid. What will be the total surface area of the cuboid?

Ans

✓ A. $640\ cm^2$

✗ B. $576\ cm^2$

✗ C. $704\ cm^2$

✗ D. $768\ cm^2$

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Q.92 Find the average of 45% of 70 and 35% of 110.

Ans
- ✗ A. 34.5
- ✓ B. 35
- ✗ C. 37.5
- ✗ D. 35.5

Q.93 If

'P + Q' means 'P is the father of Q',

'P – Q' means 'P is the mother of Q',

'P / Q' means 'P is the sister of Q',

'P ∪ Q' means 'P is the son of Q',

'P ∩ Q' means 'P is the daughter of Q',

then which of the following means that 'A is E's daughter's son'?

Ans
- ✗ A. A ∩ B ∩ C / D + E
- ✗ B. A / B ∪ C ∪ D / E
- ✗ C. A / B + C – D ∪ E
- ✓ D. A ∪ B / C / D ∪ E

Q.94 Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

NT14 : QW7 :: CR24 : FU12 :: PV36 : ?

Ans
- ✗ A. TY8
- ✗ B. ST13
- ✓ C. SY18
- ✗ D. TZ17

Q.95 Who introduced binomial nomenclature?

Ans
- ✗ A. Claude Louis Berthollet
- ✗ B. Dmitri Mendeleev
- ✓ C. Carolus Linnaeus
- ✗ D. John Dalton

Q.96 Which of the following symbols is a correct representation for air mass above a hot and dry desert region?

Ans
- ✗ A. cP
- ✗ B. cA
- ✓ C. cT
- ✗ D. mP

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Q.97 In a row of a few students, P was standing 17th from the left end and 23rd from the right end. If Q was standing exactly in the middle of the row, what was his position from the extreme left end? Assume that the students were facing the north.

Ans

✗ A. 19th

✗ B. 22nd

✗ C. 18th

✓ D. 20th

Q.98 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 dusters are balls.

All cups are balls.

Conclusions:

I. All balls are cups.

II. No duster is a cup.

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.99 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ADF, GJL, MPR, ?, YBD

Ans

✓ A. SVX

✗ B. SXA

✗ C. SVY

✗ D. STU

Q.100 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CBDD, EBBD, ?, IBXD, KBVD

Ans

✗ A. HCYE

✗ B. GCZD

✓ C. GBZD

✗ D. GCZF

Q.101 A reduction of 20% in the price of wheat enables a housewife to obtain 4 kgs more for ₹1200, what is the reduced price per kg (in ₹)?

Ans

✗ A. 40

✓ B. 60

✗ C. 75

✗ D. 50

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Q.102 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

SEVERAL : MZSDWDT :: TRACKED : EDLBBQU :: HEADING : ?

Ans

✗ A. IDBCJMH
✓ B. HMJCBDI
✗ C. JDBCIMH
✗ D. HMICBDJ

Q.103 Which among the following is NOT a work to be consulted for the history of Mughal India?

Ans

✓ A. Shahnameh
✗ B. Shahjahan Nama
✗ C. Akbar Nama
✗ D. Alamgir Nama

Q.104 In a queue of 80 people, Angelina is 13^{th} from the right and Margareta is 18^{th} from the left. How many people are there between Angelina and Margareta?

Ans

✗ A. 48
✗ B. 38
✗ C. 50
✓ D. 49

Q.105 According to World Bank, which of the following countries had almost no rural population in the year 2020?

Ans

✗ A. Australia
✗ B. Switzerland
✓ C. Kuwait
✗ D. Israel

Q.106 Which state has launched 'Khel Nursery Scheme 2022-2023' to promote sports in the state?

Ans

✓ A. Haryana
✗ B. Uttarakhand
✗ C. Uttar Pradesh
✗ D. Karnataka

Q.107 The Appalachians mountain region is a part of which continent?

Ans

✓ A. North America
✗ B. Asia
✗ C. Africa
✗ D. South America

Q.108 In what way can the terms of the given set be rearranged into three sets such that the sum of the two terms in each set is equal?

(947, 861, 1304, 1218, 1378, 787)

Ans

✓ A. (947, 1218), (861, 1304), (787, 1378)
✗ B. (861, 1218), (947, 1378), (787, 1304)
✗ C. (787, 1378), (947, 1304), (861, 1218)
✗ D. (947, 1304), (861, 1378), (787, 1218)

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Q.109 48 square plates of side 2 cm are arranged in the form of a rectangle such that its sides are in the ratio 3 : 4. Find the perimeter of the rectangle (in cm).

Ans

✗ A. 48

✓ B. 56

✗ C. 52

✗ D. 58

Q.110 What is the value of $\sec^2 37^0 - \tan^2 37^0$?

Ans

✓ A. 1

✗ B. -1

✗ C. 0

✗ D. 2

Q.111 Identify the INCORRECT pair of Primitive subsistence agriculture and related state from following -

Ans

✗ A. Podu – Andhra Pradesh

✗ B. Dahiya – Madhya Pradesh

✗ C. Kuruwa - Jharkhand

✓ D. Koman - Kerala

Q.112 Goswami Tulsidas who composed Ramcharitmanas was born in the modern state of _____.

Ans

✓ A. Uttar Pradesh

✗ B. Tamil Nadu

✗ C. Maharashtra

✗ D. Karnataka

Q.113 Rishu went 5 km towards the west from her house. From here, she turned left and covered a distance of 4 km. She took a left turn again and covered a distance of 5 km. She finally turned right and travelled 3 km and stopped. What is the shortest distance between the point where she stopped and her house? (All turns are 90^0 turns only)

Ans

✓ A. 7 km

✗ B. 12 km

✗ C. 10 km

✗ D. 8 km

Q.114 In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

Ans

✗ A. 324 – 19

✗ B. 625 – 26

✗ C. 441 – 22

✓ D. 144 – 15

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Q.115 In a certain code language,
'never speak ill' is coded as 'ml un ha',
'fall ill often' is coded as 'ed pe ml',
'they speak often' is coded as 'ha ed os'.
(Note: All codes are two letter codes only)

What is the probable code for 'they fall' in the given code language?

Ans
- ✗ A. ed pe
- ✓ B. pe os
- ✗ C. ml ed
- ✗ D. os ml

Q.116 What is the HCF of 875, 245 and 1225?

Ans
- ✗ A. 105
- ✗ B. 5
- ✗ C. 7
- ✓ D. 35

Q.117 On compound interest, a certain sum becomes ₹19,360 after 2 years and ₹21,296 after 3 years. Find the simple interest on the same sum at the same rate of interest for 3 years.

Ans
- ✗ A. ₹4,760
- ✗ B. ₹4,675
- ✗ C. ₹4,725
- ✓ D. ₹4,800

Q.118 Which of the following is NOT a Percussion Instrument used in Carnatic Music?

Ans
- ✗ A. Mridangam
- ✗ B. Morsing
- ✓ C. Mandolin
- ✗ D. Ghatam

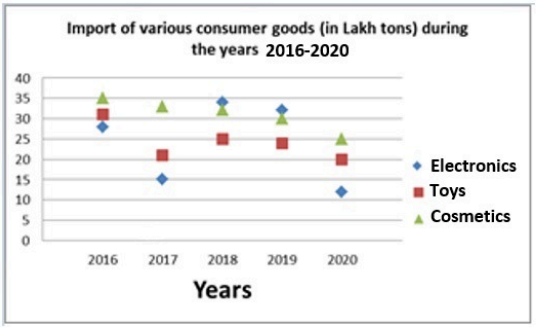
Q.119 The average of 25 numbers is 55. The average of first 11 numbers is 51 and the average of last 10 numbers is 56. What is the average of 66, 70 and the remaining 4 numbers out of given 25 numbers?

Ans
- ✗ A. 68
- ✓ B. 65
- ✗ C. 66
- ✗ D. 64

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Q.120 The given chart represents the import of various consumer goods (in Lakh tons) during the years 2016 - 2020.



What is the ratio of the number of cosmetics imported in years 2016 and 2020 together to that of toys in the year 2018 and 2020 together?

Ans

✗ A. 7 : 6

✗ B. 5 : 2

✓ C. 4 : 3

✗ D. 3 : 1

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	15/06/2022
Test Time	4:30 PM - 6:00 PM
Subject	NTPC

*** 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 : **NTPC**

Q.1 The volume of a solid spherical ball was $972\pi cm^3$. It was melted and 27 identical spheres were made with the molten material, leaving no wastage. What is the total surface area of the 27 smaller spheres taken together?

Ans
- ✗ A. $810\pi\ cm^2$
- ✓ B. $972\pi\ cm^2$
- ✗ C. $324\pi\ cm^2$
- ✗ D. $648\pi\ cm^2$

Q.2 By selling an item for ₹2,332, a person incurred a loss of 12%. What was the cost price of the item?

Ans
- ✓ A. ₹2,650
- ✗ B. ₹2,620
- ✗ C. ₹2,675
- ✗ D. ₹2,625

Q.3 Which of the following statements about the National Commission for Scheduled Castes is/are true?

1. It investigates and monitors all matters relating to the safeguards provided for the Scheduled Castes.
2. It participates and advises on the planning process of socio-economic development of the Scheduled Castes.

Ans
- ✗ A. Neither 1 nor 2
- ✓ B. Both 1 and 2
- ✗ C. Only 2
- ✗ D. Only 1

Q.4 Which of the following is the unit of electrical resistance?

Ans
- ✗ A. Newton
- ✗ B. Watt
- ✗ C. Coulomb
- ✓ D. Ohm

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Q.5 A sum of ₹10,000 was invested on compound interest in two parts. One part at 10% p.a. and the other part at 20% p.a., compounded yearly for two years. If the total amount received on maturity after two years was ₹12,928, then find the sum that was invested at 10% compound interest p.a.

Ans

✗ A. ₹7,200

✗ B. ₹6,000

✓ C. ₹6,400

✗ D. ₹6,500

Q.6 Which of the following is a tributary of the Indus river?

Ans

✗ A. Jonk

✗ B. Son

✗ C. Subansiri

✓ D. Beas

Q.7 The ratio of the number of boys to the number of girls in a school was 5 : 7. If there were 931 girls in the school, how many boys were there?

Ans

✗ A. 705

✓ B. 665

✗ C. 635

✗ D. 675

Q.8 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:

1. Some professors are doctors.
2. No doctor is a researcher.

Conclusions:

I. Some professors are not researchers.

II. All professors are researchers.

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.9 A and B together can do a piece of work in 10 days. If A alone can do the same work in 15 days and C alone can do the same work in 20 days, then in how many days can B and C together do the same work?

Ans

✗ A. $11\frac{3}{4}$

✗ B. 11

✓ C. 12

✗ D. $12\frac{1}{5}$

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Q.10 In a certain code language, the letters are coded as per their reverse alphabetical orders (A as 26 and Z as 1). However, if a consonant is immediately preceded as well as immediately followed by a vowel, it is coded as '66'.

What would be code for LEGAL in this language?

Ans

✔ A. 1522662615
✘ B. 1566226615
✘ C. 1522202615
✘ D. 1566222615

Q.11 Which of the following hospitals was awarded with the 'IMC RBNQ Performance Excellence Trophy 2020' in the healthcare sector in July 2021?

Ans

✘ A. Dr LH Hiranandani Hospital, Mumbai
✘ B. AJ Hospital and Research Centre, Mangalore
✘ C. PD Hinduja Hospital and Medical Research Centre, Mumbai
✔ D. Kasturba Hospital, Manipal

Q.12 In an Excel worksheet, the content of the active cell is displayed in _____.

Ans

✘ A. Title bar
✘ B. Name box
✔ C. Formula bar
✘ D. Status bar

Q.13 The Gateway of India was erected to commemorate the landing of _____ and Queen Mary at Apollo Bunder on their visit to India in 1911.

Ans

✘ A. King George III
✔ B. King George V
✘ C. King George IV
✘ D. King George VI

Q.14 Among the given ores, which one has the highest iron content?

Ans

✘ A. Siderite
✔ B. Hematite
✘ C. Limonite
✘ D. Pyrite

Q.15 Prince and Rakesh start walking from two different points 'A' and 'B', respectively. Prince walks 9 km north, then turns to the east and walks 7 km, then turns to the west and walks 5 km, and finally turns to the north and walks 6 km to reach point 'C'. Similarly, Rakesh walks 5 km north, then turns to the west and walks 9 km, and finally turns to the north, walks 10 km and meets Prince at point 'C'. What is the distance between Prince's and Rakesh's starting points?

Ans

✘ A. 13 km
✘ B. 21 km
✘ C. 17 km
✔ D. 11 km

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Q.16 Select the numbers from among the given options that can replace the question marks (?) in the following series.

123, 123, 110, 110, 121, 121, 108, 108, ?, ?

Ans

✗ A. 123, 123

✓ B. 119, 119

✗ C. 97, 97

✗ D. 127, 127

Q.17 The sides AB, BC, CD and DA of a quadrilateral ABCD touch a circle at P, Q, R and S, respectively. If AB = 16 cm, DS = 10 cm and RC = 3 cm, then find the perimeter of the quadrilateral ABCD (in cm).

Ans

✗ A. 56

✗ B. 60

✓ C. 58

✗ D. 55

Q.18 Which of the following is the study of vibrations within Earth?

Ans

✓ A. Seismology

✗ B. Graphology

✗ C. Selenology

✗ D. Ichthyology

Q.19 Kolkali is a folk art performed in _____.

Ans

✗ A. Western part of Uttar Pradesh

✗ B. Southern part of Gujarat

✗ C. Eastern part of Uttar Pradesh

✓ D. North Malabar region of Kerala

Q.20 Which of the following awards did Amitabh Bachchan receive on 19 March 2021?

Ans

✗ A. Maharashtra Bhushan Award

✗ B. Dadasaheb Phalke Award

✗ C. Stardust 'International Icon of the Year' Award

✓ D. International Federation of Film Archives (FIAF) award

Q.21 The total surface area of a hemisphere is $108\pi\ cm^2$. What is the volume of the hemisphere?

Ans

✓ A. $144\pi\ cm^3$

✗ B. $54\sqrt{3}\pi\ cm^3$

✗ C. $216\pi\ cm^3$

✗ D. $108\sqrt{6}\pi\ cm^3$

Q.22 In an election, 90% of those entitled to vote cast their ballot. 80% of the votes cast was valid. The winner got 60% of the valid votes. If the winner got 64800 votes, what was the number of people entitled to vote?

Ans

✗ A. 175000

✗ B. 125000

✓ C. 150000

✗ D. 200000

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Q.23 12 men can build a wall in 24.5 days. How many men would be able to build five such walls in 49 days?

Ans

✗ A. 50

✓ B. 30

✗ C. 28

✗ D. 40

Q.24 What is the LCM of 98, 28 and 112?

Ans

✗ A. 1568

✗ B. 392

✓ C. 784

✗ D. 1176

Q.25 Where is the Raniji ki baori or the 'Queen's Stepwell', the largest among the fifty step wells that were built to meet the need for water located?

Ans

✗ A. Banswara in Rajasthan

✓ B. Bundi in Rajasthan

✗ C. Jaisalmer in Rajasthan

✗ D. Jaipur in Rajasthan

Q.26 The central angle of the sector in a pie chart representing the number of students who walked to school measured 63^0. What is the percentage of students who walked to school?

Ans

✓ A. 17.5%

✗ B. 18%

✗ C. 16.5%

✗ D. 18.5%

Q.27 Starting from a juice corner, Aditya, looking for ATM, walked 20 m due North. He turned right and walked 18 m. He again turned right and walked 20 m. Then he finally turned left and walked 12 m to reach the ATM. What is the shortest distance to the ATM machine and in which direction is the ATM machine from his starting point? (All turns are 90° turns only)

Ans

✓ A. 30 m due East

✗ B. 30 m due West

✗ C. 52 m due West

✗ D. 40 m due South

Q.28 Select the letter from among the given options that can replace the question mark (?) in the following series.

D, E, Z, I, V, M, ?

Ans

✗ A. T

✓ B. R

✗ C. S

✗ D. Q

Q.29 Megasthenes was an ambassador who was sent to the court of Chandragupta Maurya by the ____ ruler named Seleucus Nicator.

Ans

✗ A. Chinese

✗ B. Arab

✓ C. Greek

✗ D. Persian

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Q.30 Select the number that can replace the question mark (?) in the following series.

5, 16, 29, 46, 65, 88, ?

Ans

✗ A. 116

✓ B. 117

✗ C. 113

✗ D. 107

Q.31 If $\sin^2 \beta - \sin 30^0 = 0$ and β is an acute angle, find the value of β.

Ans

✗ A. 60^0

✗ B. 0^0

✗ C. 90^0

✓ D. 45^0

Q.32 The cost of painting a cube on all the external surfaces at the rate of ₹2/cm^2 is ₹588. Find the volume of the cube (in cm^3).

Ans

✗ A. 216

✗ B. 274.625

✓ C. 343

✗ D. 512

Q.33 _____ is NOT among the three major rivers originating from the Western Ghats.

Ans

✗ A. Tungabhadra

✗ B. Cauvery

✓ C. Mahanadi

✗ D. Godavari

Q.34 In a certain code language, 'RACE' is written as 'WFHJ' and 'TRAP' is written as 'YWFU'. How will 'FROM' be written in that language?

Ans

✗ A. LXUS

✓ B. KWTR

✗ C. LWUR

✗ D. KXTS

Q.35 Rebeca Grynspan, an economist was appointed as the Secretary General of which organisation in June 2021?

Ans

✗ A. UNISDR

✓ B. UNCTAD

✗ C. UNICEF

✗ D. UNHRC

Q.36 Nine friends K, L, M, N, O, P, Q, R and S are sitting in a row and are facing South. L is sitting to the immediate right of M. M at the second place to the right of N. K is sitting at one end of the row. Only Q is seated between P and O. O is sitting at the third place to the left of K. S is sitting to the immediate left of N. There are only five people sitting to the right of M. Who is sitting to the immediate left of M?

Ans

✗ A. P

✓ B. R

✗ C. Q

✗ D. L

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Q.37 The difference between the compound interest and the simple interest earned on a certain sum of money in two years at 9% interest per annum is ₹ 97.2 . Find the sum invested.

Ans

✗ A. ₹10,000

✗ B. ₹15,000

✗ C. ₹12,500

✓ D. ₹12,000

Q.38 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

SLU_ _INGS_ _ICING_ _UICIN_ _LUICI_ _

Ans

✗ A. LICUSLGLGN

✓ B. ICLUSLGSNG

✗ C. SLICLUGNGL

✗ D. SGCLUSNGSL

Q.39 Rahul was born on 10 June 1992. On which day of the week was he born?

Ans

✗ A. Thursday

✗ B. Tuesday

✗ C. Friday

✓ D. Wednesday

Q.40 Which Articles of the Indian Constitution are related with the Right against Exploitation?

Ans

✓ A. 23 to 24

✗ B. 25 to 28

✗ C. 14 to 18

✗ D. 19 to 22

Q.41 Who was the India's flag bearer at the opening ceremony of Tokyo Olympics 2021 with Mary Kom?

Ans

✗ A. Ravi Kumar Dahiya

✓ B. Manpreet Singh

✗ C. Neeraj Chopra

✗ D. Dutee Chand

Q.42 When was Valmiki Ambedkar Awas Yojana launched?

Ans

✓ A. December 2001

✗ B. December 2002

✗ C. December 2000

✗ D. December 2003

Q.43 A train running at the speed of 95 km/h crosses a pole in 18 seconds. What is the length of the train in metres?

Ans

✓ A. 475 m

✗ B. 465 m

✗ C. 455 m

✗ D. 480 m

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Q.44 In which of the following battles did Ahmadullah Shah defeat Henry Lawrence?

Ans

✗ A. Battle of Buxar

✗ B. Battle of Plassey

✓ C. Battle of Chinhat

✗ D. The Third battle of Panipat

Q.45 In a building, there were a total of seven floors. The floors were numbered 1 to 7 from bottom to top, floor 1 being the ground floor. Each of the 7 men among A, B, C, D, E, F and G, occupied a floor, not necessarily in the same order. G occupied floor number 4. Only one person lived below the floor occupied by E. B was exactly above A. C was exactly below G. F occupied the topmost floor. Which man occupied floor 1?

Ans

✗ A. C

✗ B. E

✓ C. D

✗ D. A

Q.46 _____ in economics is a curve that, when plotted on a graph, shows all the combinations of two factors that produce a given output.

Ans

✗ A. Elasticity

✗ B. Duopoly

✗ C. Long run

✓ D. Isoquant

Q.47 The first index number of wholesale prices commenced in India for the week beginning from _____ and the base week ending 19 August 1939.

Ans

✗ A. 21 January 1942

✗ B. 1 January 1942

✗ C. 11 January 1942

✓ D. 10 January 1942

Q.48 Who among the following inaugurated the Indian Army Memorial in the famous Italian town of Cassino in July 2021?

Ans

✓ A. MM Naravane

✗ B. Dalbir Singh Suhag

✗ C. Bikram Singh

✗ D. Pankaj Singh

Q.49 Which of the following is a noble gas/element?

Ans

✗ A. F

✓ B. Ne

✗ C. Ca

✗ D. N

Q.50 A certain sum doubles itself in 8 years on simple interest per annum. Find the rate percentage of the interest.

Ans

✓ A. 12.5%

✗ B. 11%

✗ C. 12%

✗ D. 11.5%

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Q.51 Five boxes, A, B, C, D, and E are kept in a vertical arrangement. Only one box is kept below box C. There are two boxes kept between boxes D and C. Box E is kept at the second place from the top. Only two boxes are kept above box A. Which box is kept at the bottom?

Ans

✗ A. Box D

✗ B. Box C

✗ C. Box E

✓ D. Box B

Q.52 Simplify:

$$30 \div (40 \div 2^2 \times 10 \div 5) \times 6 - 4$$

Ans

✗ A. –3.75

✓ B. 5

✗ C. 300

✗ D. 896

Q.53 Guava is the only brother of Grape's father. Mango is the mother of Apple. Apple is the brother of Kiwi. The wife of Apple's maternal grandfather is also the paternal grandmother of Grape. How is Mango related to Guava?

Ans

✗ A. Mother

✗ B. Mother's sister

✗ C. Sister's daughter

✓ D. Sister

Q.54 Which of the following statements is TRUE about mixed economy?

Ans

✗ A.
A mixed economy is one in which only the private sector (consisting of private enterprises) exists.

✗ B. A mixed economy is one in which only the public sector exists.

✓ C.
A mixed economy is one in which the public sector (consisting of government enterprises) and the private sector (consisting of private enterprises) coexist with each other

✗ D.
A mixed economy is one in which the public sector (consisting of government enterprises) and the private sector (consisting of private enterprises) do not coexist with each other.

Q.55 The sides of two squares are in the ratio 4 : 3 and the sum of their areas is 225 cm^2. Find the perimeter of the smaller square (in cm).

Ans

✗ A. 48

✗ B. 30

✗ C. 44

✓ D. 36

Q.56 If the mean of numbers $33, x, 47, 83$ and 109 is 67, what is the mean of $50, 64, 100, 126$ and x?

Ans

✓ A. 80.6

✗ B. 80

✗ C. 81.8

✗ D. 84

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Q.57 Malayalam is the official language of the state of _____.

Ans

✗ A. Telangana

✗ B. Maharashtra

✗ C. Andhra Pradesh

✓ D. Kerala

Q.58 Which of the following keyboard shortcuts is used in a Windows 10 system to switch between open apps?

Ans

✗ A. Ctrl + N

✓ B. Alt + Tab

✗ C. Ctrl + Tab

✗ D. Alt + N

Q.59 Simplify the following expression.

$0.002 + 5.025 - 35.08 - 5.058$

Ans

✗ A. –45.165

✓ B. –35.111

✗ C. 35.111

✗ D. 45.165

Q.60 In a blend of apple juice and orange juice, 20% was apple juice. In another blend of the two juices, 30% was orange juice. The two blends are mixed in a certain ratio so that the ratio of apple juice and orange juice in the mix was 4 : 3. Find the ratio of the first blend and the second blend, in that order, in the final mix.

Ans

✗ A. 10 : 29

✓ B. 9 : 26

✗ C. 2 : 7

✗ D. 5 : 14

Q.61 Five friends, A, B, C, D and E, are of different ages. E is older than only two persons. D is younger than only one person. If A is the eldest among all, which of the following conclusions is definitely correct?

Ans

✗ A. B and E are the two youngest persons.

✗ B. C and E are the two youngest persons.

✓ C. C and B are the two youngest persons.

✗ D. C and D are the two youngest persons.

Q.62 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans

✗ A. GEM

✓ B. JHQ

✗ C. YWE

✗ D. KIQ

Q.63 If the difference between the mean and the mode of certain observations is 69, then the difference between the mean and the median is _____.

Ans

✗ A. 24

✗ B. 21

✓ C. 23

✗ D. 22

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Q.64 At a certain rate of simple interest per annum a sum of money amounts to $\frac{13}{8}$ of itself in 10 years. What is the rate of simple interest per annum?

Ans

✔ A. 6.25%

✘ B. 7.5%

✘ C. 5%

✘ D. 7.25%

Q.65 Which of the following is the fourth most populous country in the world, as per US Census Bureau 1 July 2021 data?

Ans

✘ A. Brazil

✘ B. USA

✔ C. Indonesia

✘ D. Pakistan

Q.66 Which of the following numbers is NOT divisible by 8?

Ans

✘ A. 35552

✘ B. 35792

✘ C. 35112

✔ D. 35412

Q.67 $\frac{7}{18}$ of the balls in a drum were red, $\frac{8}{15}$ of the balls in the drum were blue and the rest were yellow. If there were 84 more red balls in that drum than there were yellow balls, what was the total number of balls in the drum?

Ans

✘ A. 180

✘ B. 90

✔ C. 270

✘ D. 360

Q.68 Which of the following statements aptly defines 'high powered money'?

Ans

✘ A. The excess of total government consumption.

✔ B. The currency issued by the Central Bank that can be held by the public or by the commercial banks.

✘ C. Money collected from families or individuals and deposited in a bank.

✘ D. Money consumed by families or individuals.

Q.69 The Intensive Agriculture District Programme (IADP) was launched as the first major experiment in intensive agriculture development in the year _____.

Ans

✘ A. 1970

✘ B. 1968

✔ C. 1960

✘ D. 1965

Q.70 Six friends A, B, C, D, E and F like to eat one fruit each among Mango, Apple, Orange, Kiwi, Guava and Grapes. D likes Mango. C neither likes Guava nor does he like Kiwi. E likes Orange. F neither likes Grapes nor does he like Guava. A likes Apple.

Who likes Grapes?

Ans

✘ A. D

✘ B. B

✔ C. C

✘ D. F

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Q.71 Evaluate:

$$\sqrt[3]{16384} \div \sqrt[3]{256}$$

Ans

✗ A. 6

✓ B. 4

✗ C. 2

✗ D. 3

Q.72 Read the given statements and conclusions carefully. Decide which of the given conclusion(s) follow(s) based on the given statements.

Statement:

$M \leq N < O, A \geq B < C = O$

Conclusions:

I. $N > B$

II. $C > M$

Ans

✗ A. Both the conclusions I and II follow.

✗ B. Only conclusion I follows

✗ C. Neither conclusion I nor II follows

✓ D. Only conclusion II follows.

Q.73 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 students are teachers.

All teachers are humans.

Conclusions:

I. All teachers are students.

II. All humans are students.

Ans

✗ A. Only conclusion I follows

✗ B. Only conclusion II follows

✓ C. Neither conclusion I nor II follows

✗ D. Both the conclusions follow

Q.74 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. In three of the four pairs, the same pattern is applied and hence they form a group. Select the number-pair that does NOT belong to this group.

Ans

✗ A. 17, 303

✓ B. 8, 82

✗ C. 24, 590

✗ D. 19, 375

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Q.75 Assuming that it is Wednesday on 5th August 1994 then which day of the week will be on 2nd September 1995?

Ans

✗ A. Monday

✗ B. Wednesday

✗ C. Tuesday

✓ D. Thursday

Q.76 Gotipua is a traditional dance form in the state of _____.

Ans

✗ A. Manipur

✓ B. Odisha

✗ C. Bihar

✗ D. Uttar Pradesh

Q.77 In a class, Rajiv has scored the 14th position from the top and Vatsala has scored the 32nd position from the last. In between Rajiv and Vatsala, there are 12 students in the class. What is the maximum possible number of students in the class?

Ans

✗ A. 60

✓ B. 58

✗ C. 48

✗ D. 56

Q.78 In a certain code language, if 'GREEN' is written as '209222213', 'BLUE' is written as '2515622', how will 'WHITE' be written in that language?

Ans

✓ A. 41918722

✗ B. 41917821

✗ C. 41918721

✗ D. 41918622

Q.79 In a certain code language, if 'NEWTON' is written as 'LUCFKL', 'PASCAL' is written as 'JYGWYN', how will 'TESLA' be written in that language?

Ans

✗ A. FUGMY

✗ B. ETFMX

✓ C. FUGNY

✗ D. FUFMY

Q.80 A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient/necessary to answer the question.

Question:

What will be the total price of 10 chairs, each of which is of the same price?

Statements:

I. One-fourth of the price of each chair is ₹140.

II. The total price of 3 chairs is ₹560 more than the total price of 2 chairs.

Ans

✗ A. Statement I alone is sufficient, while Statement II alone is not sufficient

✓ B. Either Statement I or Statement II is sufficient

✗ C. Both Statement I and Statement II are necessary

✗ D. Statement II alone is sufficient, while Statement I alone is not sufficient

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Q.81 Which Article of the Constitution of India deals with the abolition of untouchability?

Ans

✗ A. Article 16

✗ B. Article 19

✗ C. Article 18

✓ D. Article 17

Q.82 Which of the following Indian sea ports is located in the far south as compared to the others?

Ans

✗ A. Paradip

✗ B. Mangalore

✓ C. Tuticorin

✗ D. Chennai

Q.83 _____ city has emerged as the 'Silicon Valley of India'.

Ans

✗ A. Pune

✓ B. Bengaluru

✗ C. Chennai

✗ D. Gurgaon

Q.84 The area of a rectangle whose length and width are in the ratio 9 : 5 is given as 180 cm^2. Find the perimeter of the rectangle.

Ans

✓ A. 56 cm

✗ B. 42 cm

✗ C. 54 cm

✗ D. 70 cm

Q.85 Kuldiep Singh took additional charge of which post in May 2021?

Ans

✓ A. Director General of the National Investigation Agency

✗ B. Air Chief Marshal

✗ C. Deputy Chief of Army Staff

✗ D. Air Officer in Charge Personnel

Q.86 Select the odd one out of the following types of clouds.

Cumulus, Cirrus, Cirrocumulus, Cirrostratus

Ans

✗ A. Cirrocumulus

✗ B. Cirrostratus

✓ C. Cumulus

✗ D. Cirrus

Q.87 Which of the following options is the closest approximate value which will come in place of question mark (?) in the following equation?

2.98 of 5 + 1.96 of 5 – 4 ÷ 2 + 0.98 = ?

Ans

✗ A. 22

✓ B. 24

✗ C. 25

✗ D. 19

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Q.88 A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

Question:

In a certain code language, 'pu ma kas' means 'we eat mangoes'. What is the code of 'mangoes'?

Statements:

I. 'la ti kas' means 'we are graduate'.

II. 'hum tup pu' means 'they eat bananas'.

Ans

✗ A. Statement I alone is sufficient, while statement II alone is not sufficient to answer the question.

✗ B. Statements I and II together are not sufficient to answer the question.

✓ C. Statements I and II together are sufficient to answer the question.

✗ D. Statement II alone is sufficient, while statement I alone is not sufficient to answer the question.

Q.89 The Ahilya fort was constructed in the 18th Century on the banks of _____ river.

Ans

✗ A. Tapi

✗ B. Kosi

✗ C. Ganga

✓ D. Narmada

Q.90 The kanjira is a frame drum of South India. It consists of a skin (usually iguana) stretched and pasted on a circular _____frame.

Ans

✗ A. brass

✗ B. dried pumpkin

✓ C. wooden

✗ D. steel

Q.91 The average spending of a family per week during a four-week period on essentials items was ₹1,475. During the first three weeks the family spent ₹1,200, ₹1,500 and ₹1,875 on such items. How much did the family spend on these items in the final week to ensure that the weekly average is maintained?

Ans

✓ A. ₹1,325

✗ B. ₹1,225

✗ C. ₹1,275

✗ D. ₹1,375

Q.92 Who among the following, under the Weaker Sections category, are eligible to avail loans under priority sector loans?

Ans

✗ A. Medium and big Farmers

✓ B. Self Help Groups

✗ C. Persons with no disabilities

✗ D. Artisans, village and cottage industries where individual credit limits exceed ₹1 lakh

Q.93 In which year did Sultan Iltutmish's daughter, Raziyya, become Sultan?

Ans

✗ A. 1256 CE

✗ B. 1246 CE

✓ C. 1236 CE

✗ D. 1226 CE

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Q.94 Which of the following is NOT a tax subsumed under GST in India?

Ans
- ✗ A. Service tax
- ✗ B. Central excise duty
- ✗ C. Additional custom duty
- ✓ D. Income Tax

Q.95 Teejan Bai is an exponent of Pandavani, a traditional performing art form, from Chhattisgarh, in which she enacts tales from the _____ with musical accompaniments.

Ans
- ✗ A. Katha Sarit Sagar
- ✗ B. Abhijnana sakuntalam
- ✓ C. Mahabharata
- ✗ D. Ramayana

Q.96 The HCF of two different numbers is always 1, when:

Ans
- ✗ A. one number is odd and the other number is even
- ✓ B. both numbers are prime numbers
- ✗ C. both numbers are even numbers
- ✗ D. both numbers are odd numbers

Q.97 Six friends, A, B, C, D, E and F, are sitting in a circle facing the centre but not in the same order. B and E are not immediate neighbours of each other. B is sitting second to the right of A. C is not an immediate neighbour A. Only two people sit between D and A.

What is the sitting position of F?

Ans
- ✗ A. Immediate left of E
- ✗ B. Second to the left of A
- ✗ C. Immediate neighbour of both A and C
- ✓ D. Third to the right of C

Q.98 The Attorney-General for India is appointed under which Article of the Constitution of India?

Ans
- ✗ A. Article 79
- ✗ B. Article 72
- ✗ C. Article 82
- ✓ D. Article 76

Q.99 Pongal, a harvest festival is dedicated to the _____.

Ans
- ✓ A. Sun God
- ✗ B. Goddess Saraswati
- ✗ C. God of Fire
- ✗ D. Goddess Ganga

Q.100 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

XY_XY_ _ZXYX_ _XYXY_ _ _

Ans
- ✗ A. ZYYYZZXY
- ✓ B. ZXYYZZXY
- ✗ C. YXYYZZXY
- ✗ D. ZXYYZZXZ

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Q.101 If $(y + z) = 8$ and $yz = 6$, find the value of $(y - z)^2$.

Ans

✔ A. 40

✘ B. 44

✘ C. 49

✘ D. 36

Q.102 If three solid gold spherical beads of radii 6 cm, 8 cm, and 10 cm, respectively are melted into one spherical bead, then what is the radius (in cm) of the larger bead?

Ans

✘ A. 13 cm

✘ B. 15 cm

✔ C. 12 cm

✘ D. 16 cm

Q.103 The angle of elevation of an aeroplane from a point on the ground is 45°. After a flight of 12 seconds horizontally, the angle of elevation changes to 30°. If the aeroplane is flying at a height of 2400 m, then find the speed of the aeroplane (in km/h).

Ans

✘ A. $72(1 + \sqrt{3})$

✘ B. $720(\sqrt{3} + 1)$

✔ C. $720(\sqrt{3} - 1)$

✘ D. $72(\sqrt{3} - 1)$

Q.104 Out of the three Pitakas, the Abhidhamma Pitaka deals with:

Ans

✔ A. philosophical matters

✘ B. rules for those who joined the sangha

✘ C. Buddha's teachings

✘ D. stories on Sarnath Pillar

Q.105 On 21 May 2021, Hockey India was honoured with which prestigious award by the International Hockey Federation (FIH)?

Ans

✘ A. Tenzing Norgay Award

✘ B. Aces Award

✔ C. Etienne Glichitch Award

✘ D. Asunta Lakra Award

Q.106 If × stands for subtraction, ÷ stands for addition, + stands for division, and – stands for multiplication, which of the following equations is correct?

Ans

✘ A. $25 + 5 \times 20 \div 5 - 16 = 6$

✘ B. $45 - 15 \div 15 \times 60 + 16 = 42$

✘ C. $9 \div 28 - 10 \times 15 + 9 = 10$

✔ D. $16 \div 20 - 6 + 10 \times 12 = 16$

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Q.107 A train covered a certain distance at a uniform speed. If the train had been 12 km/h faster, it would have taken 8 hours less than the scheduled time. If the train were slower by 12 km/h, the train would have taken 12 hours more than the scheduled time. Find the length of the journey (in km).

Ans

✗ A. 1440

✗ B. 2860

✓ C. 2880

✗ D. 1480

Q.108 If $x\,(x + y + z) = 30, y\,(x + y + z) = 64, z\,(x + y + z) = 50$, then find the value of $2(x + y + z), where\ x, y, z > 0.$

Ans

✗ A. 20

✗ B. 22

✓ C. 24

✗ D. 26

Q.109 Which of the following is an example of a non-metallic mineral?

Ans

✗ A. Hematite

✗ B. Pyrite

✓ C. Limestone

✗ D. Bauxite

Q.110 Suhas travelled by train to cover $\frac{5}{12}$ of the journey, and then traveled by bus to cover $\frac{1}{3}$ of the journey. After that he travelled the remaining 36 km on a bicycle. How much in all did Suhas travel?

Ans

✗ A. 168 km

✗ B. 132 km

✗ C. 150 km

✓ D. 144 km

Q.111 There are five friends – P, Q, R, S and T sitting in a row facing North. R is sitting exactly in the middle of the row. T is sitting to the immediate right and immediate left of S and R, respectively. Q is not sitting at the extreme end. Who is sitting second to the left of P?

Ans

✗ A. T

✓ B. R

✗ C. S

✗ D. Q

Q.112 Poompuhar beach located in the state of Tamil Nadu along the Bay of Bengal is famous for the _____ festival.

Ans

✗ A. Charak Puja

✓ B. Chitra Pournami

✗ C. Pushkar Mela

✗ D. Ganga Sagar Mela

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Q.113 El Nino, the event during which warm ocean current flows along Peruvian coast happens in which ocean?

Ans

✗ A. Arctic Ocean

✗ B. Indian Ocean

✗ C. Atlantic Ocean

✓ D. Pacific Ocean

Q.114 Read the given information carefully and answer the question that follows.

Eight friends, Janak, Kuldeep, Punit, Kavita, Naveen, Azad, Vikas and Anil, are sitting around a square table, four of them are sitting at the four corners and the rest four are sitting at the middle of each of the four sides of the table. The ones who sit at the corners face the centre, while those who are sitting in the middle of the sides face away opposite to the centre of the table. Janak faces the centre and is third to the right of Azad. Naveen faces the centre, but is not an immediate neighbour of Azad. Only one person is sitting between Azad and Vikas. Kavita is sitting second to the right of Kuldeep. Kuldeep faces the centre. Punit is not an immediate neighbour of Janak.

Which of the following statements is true regarding Punit?

Ans

✗ A. Punit is an immediate neighbour of Azad.

✓ B. Punit faces away from the centre of the table.

✗ C. Kuldeep sits third to the left of Punit.

✗ D. Punit is an immediate neighbour of both Azad and Janak.

Q.115 If the letters in each the following strings are omitted and then the remaining numbers are arranged in increasing sequence, which number will come in the middle?

33A, 44R, 41V, 54D, 21S, C56, D46, V68, F36, G32, 61C, 47G, N55

Ans

✓ A. 46

✗ B. 44

✗ C. 54

✗ D. 41

Q.116 Who among the following was a popular name of the 14th century Persian literature, associated with ghazals and was loved for his perfect personality and art of poetry?

Ans

✗ A. Rumi

✗ B. Mirza Ghalib

✓ C. Hafez

✗ D. Muhammad Iqbal

Q.117 Who among the following fighter jet pilots was part of the IAF's Republic Day tableau on 26th January 2022?

Ans

✗ A. Lieutenant Mohana Singh

✗ B. Lieutenant Bhawana Kanth

✗ C. Lieutenant Avani Chaturvedi

✓ D. Lieutenant Shivangi Singh

Q.118 The geostrophic flow conditions occur when the pressure gradient force is balanced by _____.

Ans

✗ A. Hydrostatic force

✓ B. Coriolis force

✗ C. Geostatic force

✗ D. Gravitational force

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Q.119 Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

"If you do not work hard, I will fire you." – A statement by the Head of Department to a junior.

Assumptions:

I. Warning given by the Head may result in the junior working hard.

II. None of the juniors is working hard at present.

Ans

✗ A. Both I and II are implicit.

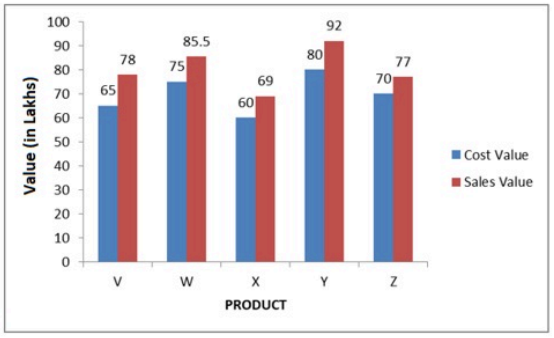
✗ B. Only assumption II is implicit.

✗ C. Neither I nor II is implicit.

✓ D. Only assumption I is implicit.

Q.120 Study the given graph and answer the question that follows.

The graph shows the total cost and sales values (in lakhs) of five products manufactured by a company.



In which product has the company earned maximum profit?

Ans

✗ A. Product X

✗ B. Product Z

✓ C. Product V

✗ D. Product W

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