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 6

Non-Technical Popular Categories · CEN 01/2019 · CBT-2 · Pay Level 6 · Question Paper

English

All 2 Shifts (Sets) · Official Answer Key

About this Compilation

This booklet contains all **2 shift papers** of the **RRB NTPC 2019 CBT-2 Level 6** examination in **English**, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

Source. Every question and option is the original image of the official RRB response sheet (no retyping). Sections are taken from the official image file names: Mathematics 35, General Intelligence and Reasoning 35, General Awareness 50 in every shift. Question numbers follow the saved paper of each shift.

How to use

- Use the **Index** page to jump directly to any set (clickable).
- Questions appear section by section in the order of the paper, numbered 1 onward.
- Diagram and wide-table questions appear at full width at the end of their section.
- The correct answer is highlighted in green with a tick.

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Index — All Sets (click to open)

Set 1 09 May 2022
10:30 AM - 12:00 PM

Set 2 09 May 2022
3:30 PM - 5:00 PM

Mathematics 35 Questions • Answer Key

Q1 Mathematics

A sum increases by 75% in 10 years at certain rate of simple interest per annum. By what percentage will the same sum increase in 6 years at the same rate of simple interest per annum?

A. 42%

B. 45% ✓

C. 48%

D. 38%

Q2 Mathematics

ABCD is a rectangle with AB = 10 cm and BC = 8 cm. O is the centre of a circle touching the three sides AB, BC and CD of the rectangle ABCD. Find the area (in cm^2) of $\triangle OBC$.

A. 22

B. 20

C. 16 ✓

D. 24

Q3 Mathematics

If $0.17y = 10.2$, find the value of y.

A. 0.6

B. 6

C. 600

D. 60 ✓

Q4 Mathematics

Find the value of $\sqrt{2k + 11}$, where k is average of 16, 25, 13, 26 and 15.

A. 9

B. 7 ✓

C. 10

D. 8

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Q5 Mathematics

The ratio between the marked price and the cost price of an article is 5 : 3. If the selling price of the article is ₹3,024 and the shopkeeper gave two successive discounts of 16% and 20%, then how much is the profit or loss (in ₹)?

A. Profit, ₹324 ✓

B. Profit, ₹225

C. Loss, ₹112

D. Loss, ₹216

Q6 Mathematics

If $3x + 2y = 13$ and $y^2 - 4y + 4 = 0$, then find (x,y)

A. $(4, 2)$

B. $(5, -1)$

C. $(3, 2)$ ✓

D. $(2, 3)$

Q7 Mathematics

The outer radius of a spherical shell is 9 cm and the thickness of the shell is 1 cm. Find the volume of the metal used for the shell (in cubic cm).

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

A. $909\frac{3}{5}$

B. $915\frac{1}{3}$

C. $909\frac{1}{3}$ ✓

D. $912\frac{2}{3}$

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Q8 Mathematics

P, Q, R can do a piece of work in 40 days, 90 days and 36 days, respectively. P started the work. Q joined him after 7 days. If R joined them after 8 days from the beginning, then for how many days did R work?

A. $15\frac{8}{23}$

B. $12\frac{8}{23}$ ✓

C. $13\frac{8}{23}$

D. $11\frac{8}{23}$

Q9 Mathematics

The radius of the base of a conical tent is 9 m and its height is 12 m, find the cost of the material needed to make it if it costs ₹100 *per* $\pi\ m^2$.

A. ₹14,500

B. ₹13,000

C. ₹15,000

D. ₹13,500 ✓

Q10 Mathematics

Five years ago, ages of father and his son were in the ratio 7:2. Five years hence, ages of the father and his son will be in the ratio 9:4. After how many years will the father's age be twice the age of his son?

A. 12

B. 9

C. 8

D. 10 ✓

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Q11 Mathematics

Simplify the following expression.

$$\frac{12-6\div2+4}{3^2\times3-7+6}$$

A. $\frac{13}{18}$

B. $\frac{1}{2}$ ✓

C. $\frac{11}{18}$

D. $\frac{11}{26}$

Q12 Mathematics

If $\frac{1}{1+\tan\theta}+\frac{1}{1-\tan\theta}=4$, $0°<\theta<90°$, then

what is the value of $(\text{cosec}^2\theta + \sec^2\theta)$

A. $\frac{4}{3}$

B. $\frac{8}{3}$

C. $\frac{5}{2}$

D. $\frac{9}{2}$ ✓

Q13 Mathematics

If $y = \sqrt[3]{6} - 4$, then what is the value of $y^3 + 12y^2 + 48y + 100$?

A. 6

B. 0

C. 106

D. 42 ✓

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Q14 Mathematics

What is the time taken by a 450 m long train running at 54 km/h to cross a man standing on a platform?

A. 30 seconds ✓

B. 32 seconds

C. 28 seconds

D. 25 seconds

Q15 Mathematics

If 23.5% of a number is 11.75, then what is the number?

A. 40

B. 50 ✓

C. 48

D. 60

Q16 Mathematics

The difference between the interest payable on a sum invested for three years at 20% compound interest per annum compounded annually and 20% simple interest per annum for the same period is ₹448. What is the value of the sum invested?

A. ₹3,750

B. ₹3,000

C. ₹4,000

D. ₹3,500 ✓

Q17 Mathematics

One-seventh of a 2-digit number is 15 less than half of the number. What is the sum of the digits of the 2-digit number?

A. 7

B. 8

C. 6 ✓

D. 5

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Q18 Mathematics

Find the HCF of 245, 175 and 385.

A. 5

B. 35 ✓

C. 25

D. 7

Q19 Mathematics

The mean of the observations 29, 36, 21, 18, 7, 19, k, k is 21.25 and the mode of the observations 29, 22, 15, 15, 22, 18, 21, p, p is 29. Find the value of (p – k).

A. 10

B. 11

C. 12

D. 9 ✓

Q20 Mathematics

If $\frac{2}{3}$ of y = $\frac{8}{15}$ of z, then find y : z.

A. 3 : 5

B. 21 : 25

C. 16 : 45

D. 4 : 5 ✓

Q21 Mathematics

Simplify:

$72 - 4(40 + 24 \div 8 \times 6 - 4 \times 4) + 20$

A. –76 ✓

B. 52

C. –36

D. –6

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Q22 Mathematics

Ram gave a discount of 10% on the marked price of an item and still gained 12.5%. How much would have Ram gained, if he sold the item at the marked price?

A. 27.5%

B. 25% ✓

C. 22.5%

D. 20%

Q23 Mathematics

AB and CD are parallel tangents to a circle with centre O. Points P and Q are on AB and CD, respectively, such that PQ touches the circle at R. Find the measure of $\angle POQ$.

A. 90° ✓

B. 100°

C. 80°

D. 85°

Q24 Mathematics

Out of a total sum of ₹5,000, Danish invested one part at 12% simple interest per annum and the remaining part at 10% simple interest per annum. If the total interest that accrued to Danish in two years equals ₹, 1072, what was the sum Danish invested at 12% simple interest per annum?

A. ₹1,750

B. ₹2,150

C. ₹1,800 ✓

D. ₹2,000

Q25 Mathematics

The circumference of a circle is given as 308 m. What is the area of the circle?

[Use $\pi = \frac{22}{7.}$]

A. $7546\ m^2$ ✓

B. $7646\ m^2$

C. $7556\ m^2$

D. $7446\ m^2$

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Q26 Mathematics

A right circular cone is surmounted on a hemisphere. Base radius of the cone is equal to radius of the hemisphere. The diameter of the hemisphere is 12 cm while the height of the cone is 8 cm. Find the cost of painting the compound object if it costs ₹25 to paint π cm^2.

A. ₹6,930

B. ₹10,371

C. ₹4,500

D. ₹3,300 ✓

Q27 Mathematics

If $56 \div 14 \times 2^2 - 12 \times 6 \div 3 + 10 = z$, then find the value of z.

A. 4

B. 2 ✓

C. 6

D. 3

Q28 Mathematics

What is the difference in the mode and the mean of the observations?

4, 5, 6, 7, 8, 12, 9, 12, 5, 12

A. 4.6

B. 4.2

C. 4 ✓

D. 5.1

Q29 Mathematics

A person covers a certain distance at a certain speed. If he increases his speed by 30%, then he takes 15 minutes less to cover the same distance. Find the time taken by him to cover the distance when travelling at his original speed.

A. 1hour 12 minutes

B. 1 hour 10 minutes

C. 1 hour 05 minutes ✓

D. 1 hour

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Q30 Mathematics

If $2\sin y + \cos y = \sqrt{5}\sin y$, then find the value of $\tan y$.

A. $\sqrt{5} + 1$

B. $\sqrt{5} - 1$

C. $\sqrt{5} - 2$

D. $\sqrt{5} + 2$ ✓

Q31 Mathematics

Find the value of the expression:

$$1 - \frac{(4 \div 5 - 1 \times 3 + 2) \times 8}{3^2 \times 8 - 4 \times 2}$$

A. $\frac{41}{40}$ ✓

B. $\frac{39}{40}$

C. $\frac{5}{8}$

D. 0

Q32 Mathematics

A man can do a work in 20 days and a woman can do the same work in 30 days. In how many days will 2 men and 3 women do the work?

A. 4

B. 5 ✓

C. $5\frac{1}{2}$

D. 6

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Q33 Mathematics

The average of 30 numbers is 55. The average of the first 15 numbers is 51 and the average of the last 12 numbers is 56. What is the average of 68, 74 and the remaining 3 numbers?

A. 71 ✓

B. 72.2

C. 72

D. 70

Q34 Mathematics

K is the product of the greatest and the smallest of the numbers

$\frac{1}{4}, \frac{2}{3}, \frac{4}{5}, \frac{5}{8}, \frac{3}{4}$. Find the value of $\left(\frac{1}{K}+4\right)\left(\frac{1}{K}-2\right)$

A. $\frac{171}{25}$

B. $\frac{189}{25}$

C. 7

D. 27 ✓

Q35 Mathematics

A certain sum on compound interest becomes ₹56,180 when compounded annually after 2 years and ₹59,550.80 after 3 years. Find the sum (in ₹).

A. 50,000 ✓

B. 48,700

C. 45,000

D. 52,500

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Q36 General Intelligence and Reasoning

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.

CKO : FNL :: FLP : IOM :: DPQ : ?

A. GSN ✓

B. HRN

C. GST

D. HRT

Q37 General Intelligence and Reasoning

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

AURT, BWSV, CYTX, ?

A. DZUZ

B. DZUV

C. DAUZ ✓

D. DZUY

Q38 General Intelligence and Reasoning

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

$499.37 + 1.95 \times 4.79 - 2.87 \div 19.70 = ?$

A. 750

B. 365

C. 290

D. 510 ✓

Q39 General Intelligence and Reasoning

If 1st January 2017 was a Thursday, then what day of the week was it on 31st March of that year?

A. Wednesday

B. Tuesday ✓

C. Thursday

D. Friday

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Q40 General Intelligence and Reasoning

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 athletes are businessmen.

All businessmen are rich.

Conclusions:

I. Some athletes are rich.

II. No athlete is rich.

A. Neither conclusion I nor II follows.

B. Both conclusions I and II follow.

C. Only conclusion I follows. ✓

D. Only conclusion II follows.

Q41 General Intelligence and Reasoning

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 numbers are dropped from the series, which of the following will be eighth from the right?

A. M ✓

B. &

C. E

D. *

Q42 General Intelligence and Reasoning

Shamita's birthday was on 15 March 2020, which was a Sunday. If her husband's birthday was on 31 May 2020, on which day would it fall?

A. Wednesday

B. Tuesday

C. Sunday ✓

D. Friday

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Q43 General Intelligence and Reasoning

There are five boxes K, L, M, N and O, arranged one above the other. Box M is placed above box N. Box O is placed below box K. Box N is placed above K. Box L is placed below O. Which among the following is the bottom most box?

A. K

B. O

C. L ✓

D. M

Q44 General Intelligence and Reasoning

In a class, each student scored a different rank. Aman's rank is 11^{th} from the top and Nikhil's rank is 13^{th} from the bottom. Only three students ranked between Aman and Nikhil. If the total number of students is an odd number divisible by 3, how many students are there in total in the class?

A. 33

B. 21

C. 27 ✓

D. 15

Q45 General Intelligence and Reasoning

Which two signs should be interchanged to make the following equation correct?

$4 \div 8 + 5 - 6 \times 2 = 34$

A. $+, -$

B. $\div, +$

C. $\div, \times$ ✓

D. $\times, +$

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Q46 General Intelligence and Reasoning

Eight persons P, Q, R, S, T, U, V and W are sitting around a square table for dinner in such a way that 4 persons are sitting at the four corners and 4 persons are sitting at the mid-positions on the four sides. All of them are facing the centre of the square. S sits to the immediate left of U. U sits to the immediate left of T. T sits at one of the mid-positions of the sides. R sits third to the right of U. P is an immediate neighbour of both V and R. W is not an immediate neighbour of T.

Who among the following is sitting at one of the corners?

A. Q ✓

B. V

C. S

D. R

Q47 General Intelligence and Reasoning

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 four 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.

11, 8, 5, 9 = 43

12, 9, 7, 6 = 66

14, 13, 9, 10 = ?

A. 92 ✓

B. 98

C. 89

D. 80

Q48 General Intelligence and Reasoning

Eight colleagues K, L, M, N, O, P, Q and R are seated in a circle facing the centre. N is an immediate neighbour of both L and Q. P is an immediate neighbour of both K and R. O is second to the right of K. Which of the following is definitely true about M's position?

A. Exactly between K and O ✓

B. Second to the left of L

C. Exactly between Q and O

D. Exactly between O and P

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Q49 General Intelligence and Reasoning

Eight people M, N, P, S, T, V, X and Y are sitting in a straight line and all are facing north.

N sits second from one of the extreme ends of the line. Only three people sit between M and N. P sits second to the right of M. As many people sit to the right of P as to the left of S. Exactly three people sit between T and S. T does not sit at any of the extreme ends of the line. Y sits to the immediate right of X.

Who sits third to the left of V?

A. Y ✓

B. X

C. M

D. P

Q50 General Intelligence and Reasoning

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

86, 74, 62, 54, ? , 42, 38

A. 43

B. 46 ✓

C. 44

D. 50

Q51 General Intelligence and Reasoning

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

Statement:

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

Conclusions:

I. $T \leq W$

II. $C \geq M$

A. Only conclusion II is true

B. Neither conclusion I nor II is true

C. Only conclusion I is true ✓

D. Both conclusions I and II are true

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Q52 General Intelligence and Reasoning

G, M, P, V, Z and D are six members of a family. Z is the son of V. M is the brother of V. D and V are a married couple. P is the daughter of D. D is the sister of G.

How is Z related to P?

A. Father

B. Brother ✓

C. Sister

D. Mother

Q53 General Intelligence and Reasoning

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.

MDT : PAW :: RFQ : UCT :: LSK : ?

A. ORH

B. JPH

C. OPN ✓

D. HRN

Q54 General Intelligence and Reasoning

Eight people E, H, M, P, S, T, Y and Z are sitting in a straight line. All of them are facing North.
E sits fourth from one of the extreme ends of the line. H sits third to the right of E. As many people sit to the right of H as to the left of M. Only one person sits between M and P. S sits to the immediate right of Z. Only one person sits between Z and T.
How many people sit to the left of Y?

A. One ✓

B. Two

C. None

D. Three

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Q55 General Intelligence and Reasoning

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

QHD, MNV, ITN, EZF, AFX, ?

A. XLQ

B. WLP ✓

C. XJQ

D. WJP

Q56 General Intelligence and Reasoning

In a certain code language,

'see their dresses' is coded as 'ti ve su',

'dresses we see' is coded as 'nx ti ve',

'we see their party' is coded as 'fs ve nx su'.

(Note: All codes are two letter codes only)

What is the probable code for 'party dresses' in the given code language?

A. ti ve

B. ti fs ✓

C. na ti

D. su na

Q57 General Intelligence and Reasoning

Six people C, D, E, X, Y and Z are each of a different age. Only one person is younger than Y. X is older than E but younger than D. E is older than Y. Neither D nor C is the oldest.

How many people are older than Z?

A. More than three

B. Two

C. None ✓

D. Three

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Q58 General Intelligence and Reasoning

There are five girls in a group, each having a different height. H is shorter than E only. F is not as tall as P. P is shorter than G. Who is the shortest among them?

A. F ✓

B. G

C. P

D. E

Q59 General Intelligence and Reasoning

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.

A. 22, 34

B. 11, 12

C. 25, 42 ✓

D. 17, 24

Q60 General Intelligence and Reasoning

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

A. C

B. B

C. E

D. D ✓

Q61 General Intelligence and Reasoning

In a certain code language, 'RELATIONS' is written as 'TSRONLIEA', and 'NUMBER' is written as 'URNMEB'. How will 'SPECULATION' be written in that language?

A. UOCATNLIESP

B. OCAATNLIESP

C. UTSPONLIECA ✓

D. UTNLIESPOCA

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Q62 General Intelligence and Reasoning

In a certain code language,
'good deeds pay' is coded as 'ag bi tr',
'pay all bills' is coded as 'od ez ag',
'all your deeds count' is coded as 'sn tr od um'.
(Note: All codes are two letter codes only)

What is the code for 'count' in the given code language?

A. ez
B. either 'od' or 'tr'
C. either 'sn' or 'um' ✓
D. od

Q63 General Intelligence and Reasoning

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 camels are donkeys.

Some cats are camels.

All dolphins are cats.

Conclusions:

I. All dolphins are donkeys.

II. Some dolphins are donkeys.

III. Some donkeys are cats.

IV. All cats are donkeys.

A. Both conclusions I and III follow
B. Only conclusion IV follows
C. Both conclusions II and III follow
D. Only conclusion III follows ✓

Q64 General Intelligence and Reasoning

In a certain code language, 'CONSUME' is written as 'CEMNOSU' and 'COMPEL' is written as 'CELMOP'. How will 'ENGLISH' be written in that language?

A. EHGILNS
B. EGHNLSI
C. EHGLNSI
D. EGHILNS ✓

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Q65 General Intelligence and Reasoning

There is a group of 6 people: A, B, C, D, E and F (not necessarily in the same order). D is taller than A and E. F is taller than B and C. E is taller than F. A is taller than F. Which of the following can be the shortest person?

A. B or E

B. C or F

C. A or C

D. B or C ✓

Q66 General Intelligence and Reasoning

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 salsa are jazz.

No jazz is kathak.

Conclusions:

I. Some jazz is salsa.

II. No salsa is kathak.

A. Only conclusion II follows

B. Both the conclusions follow ✓

C. Only conclusion I follows

D. None of the conclusions follow

Q67 General Intelligence and Reasoning

In a certain code language, 'MUSIC' is written as 'LTTJD', and 'CONCEPT' is written as 'BNMDFQU'. How will 'SINGING' be written in that language?

A. RHMHJOH ✓

B. RHOHJOF

C. RHMFHOJ

D. TJOHHOF

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Q68 General Intelligence and Reasoning

Giridar was at a temple and was facing west. He turns 45° in the clockwise direction to collect a token, then another 180° in clockwise direction. He then turned 45° in the anti-clockwise direction. Which direction is he facing now?

A. South-west

B. East ✓

C. West

D. North-west

Q69 General Intelligence and Reasoning

Ramesh ranked 16^{th} from the top and 21^{st} from the bottom in his class in an examination. If only 21 students passed the exam, how many students in his class failed?

A. 21

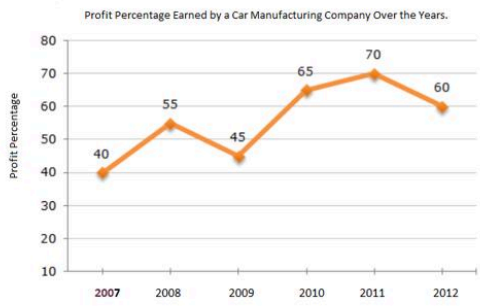
B. 17

C. 19

D. 15 ✓

Q70 General Intelligence and Reasoning

The following line graph shows the annual profit percentage earned by a car manufacturing company during the period 2007-2012.



In which of the following years was the annual profit percentage closest to the average of the annual profit percentage in all the years given in the graph?

A. 2009

B. 2007

C. 2011

D. 2008 ✓

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Q71 General Awareness

Which of following is oldest production unit of the Indian Railways?

A. Rail Wheel Factory

B. Chittaranjan Locomotive Works ✓

C. Diesel Locomotive Works

D. Integral Coach Factory

Q72 General Awareness

The IPCC is the United Nations body for assessing the science related to climate change. IPCC stands for:

A. Intergovernmental Panel on Climate Change ✓

B. International Panel on Climate Change

C. International Provision on Climate Change

D. Intergovernmental Provision on Climate Change

Q73 General Awareness

The Sahitya Akademi was formally inaugurated by the Government of India on 12 March _____.

A. 1958

B. 1954 ✓

C. 1956

D. 1952

Q74 General Awareness

According to the Census of India 2011, how many "*million-plus cities*" were there in India?

A. 40

B. 53 ✓

C. 47

D. 58

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Q75 General Awareness

_____ defeated Mahmud Khilji and erected the tower of victory (Vijay Stambha) in Chittorgarh.

A. Prithviraj Chauhan

B. Rana Kumbha ✓

C. Jai Chand Gadhawak

D. Rana Sangram Singh

Q76 General Awareness

Nile River was known as the backbone of which country?

A. Saudi Arabia

B. Sudan

C. Egypt ✓

D. Morocco

Q77 General Awareness

Which institute received the Africa Food Prize 2021, for the Tropical Legumes Project that has improved income and food production in sub-Saharan Africa?

A. National Rice Research Institute (NRRI)

B. Central Arid Zone Research Institute (CAZRI)

C. Indian Institute of Sugarcane Research (IISR)

D. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) ✓

Q78 General Awareness

Allarakha Qureshi who is popularly known as Alla Rakha, is an Indian _____ player.

A. Tabla ✓

B. Veena

C. Dholak

D. Sitar

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Q79 General Awareness

Sublimation is the _____.

A. transition of a substance directly from the liquid to the gas state

B. transition of a substance directly from the gas to the liquid state

C. transition of a substance directly from the solid to the gas state ✓

D. transition of a substance directly from the gas to the solid state

Q80 General Awareness

Which of the following has four chambered heart?

A. Frog

B. Sea horse

C. Fish

D. Peacock ✓

Q81 General Awareness

Article 239 deals with the:

A. administration of union territories by Lt. Governor

B. administration of union territories by Cabinet Ministers

C. administration of union territories by President ✓

D. administration of union territories by Prime Minister

Q82 General Awareness

Majuli, the largest riverine island in the world, is associated with which of the following rivers?

A. Indus

B. Brahmaputra ✓

C. Godavari

D. Ganga

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Q83 General Awareness

Which ceremonial folk dance of Puducherry is related to the Hindu epic Ramayana, performed at the Villianur temple in Puducherry?

A. Dalkhai

B. Hulivesha

C. Garadi ✓

D. Tippani

Q84 General Awareness

In which of the following states of India is Padayani a ritual dance art form performed at Bhadrakali temple?

A. Kerala ✓

B. Tamil Nadu

C. Maharashtra

D. Karnataka

Q85 General Awareness

A consumer's optimal bundle is located at the point of tangency between the budget line and _____.

A. indifference curve ✓

B. monotonicity

C. income effect

D. law of demand

Q86 General Awareness

As per Human Development Index Ranking (2020), which country has highest life expectancy at birth (years)?

A. Denmark

B. Norway

C. France

D. Hong Kong, China (SAR) ✓

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Q87 General Awareness

Which Indian shooter won two Paralympic medals in the single edition of Paralympic on 3 September 2021?

A. Naresh Sharma

B. Manish Narwal

C. Avani Lekhara ✓

D. Singhraj Adhana

Q88 General Awareness

Which of following enzymes is used in the stabilisation of rice bran oil?

A. Hydrolase

B. Catalase

C. Lipase ✓

D. Cellulase

Q89 General Awareness

Bodo language is spoken mainly in which of the following states of India?

A. Karnataka

B. Assam ✓

C. Jharkhand

D. Himachal Pradesh

Q90 General Awareness

As per Organisation for Economic Co-operation and Development (OECD) data for the year 2020, which country has highest per capita total spending on health?

A. USA ✓

B. Canada

C. Germany

D. Russia

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Q91 General Awareness

Who became the first official in India to be felicitated with United Nations Asia Environmental Enforcement Award in February 2021 under the *Gender Leadership and Impact* category?

A. Sudarshan Panthee

B. Namita Gokhale

C. Birendra Singh Johari

D. Sasmita Lenka ✓

Q92 General Awareness

Which of the following internet protocols allows us to access the data over the World Wide Web?

A. SNMP

B. DNS

C. HTTP ✓

D. FTP

Q93 General Awareness

The people of Sikkim celebrate Lhabab Dhuechen which is observed to mark the descent of _____ from heaven back to earth.

A. Lord Shiva

B. Lord Mahaviira

C. Lord Buddha ✓

D. Lord Vishnu

Q94 General Awareness

As per Renewable Fuel Association data, _____ was the world's largest producer of ethanol in the year 2020.

A. Canada

B. Brazil

C. the United States of America ✓

D. China

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Q95 General Awareness

To increase fish consumption which state inaugurated the 'Aqua Bazaar' and 'Aqua Hub' project on 21 November 2020?

A. Goa

B. West Bengal

C. Andhra Pradesh ✓

D. Kerala

Q96 General Awareness

On_____, the Constituent Assembly set up a Drafting Committee under the Chairmanship of Dr. B.R. Ambedkar to prepare a Draft Constitution for India.

A. 29 August, 1947 ✓

B. 25 August, 1947

C. 20 August, 1947

D. 18 August, 1947

Q97 General Awareness

Who appoints the Union Council of Ministers?

A. The President of India according to his own discretion

B. The Parliament

C. The Prime Minister of India

D. The President of India on the advice of the Prime Minister ✓

Q98 General Awareness

In Contemporary Carnatic music, how many Melakarta ragas are there?

A. 72 ✓

B. 62

C. 82

D. 52

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Q99 General Awareness

The Fundamental Duties were added to the Constitution of India in the year:

A. 1966

B. 1996

C. 1976 ✓

D. 1986

Q100 General Awareness

The Central Pollution Control Board was set up by the government in the year ____.

A. 1974 ✓

B. 1956

C. 1965

D. 1947

Q101 General Awareness

When did the Maharashtra government launch the 'Jail Tourism' initiative?

A. May 2021

B. November 2021

C. January 2021 ✓

D. August 2021

Q102 General Awareness

Which of the following tropical cyclones had hit the western coast of India in May 2021?

A. Titli

B. Tauktae ✓

C. Hudhud

D. Vardah

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Q103 General Awareness

Which of the following characters is used to create absolute address in MS-Excel?

A. Ampersand (&)

B. Hash (#)

C. Dollar ($) ✓

D. Percent (%)

Q104 General Awareness

Which of the following is an element with atomic number 30 as per the modern periodic table?

A. Co

B. Fe

C. Zn ✓

D. Ni

Q105 General Awareness

Which of the following can be defined as 'the process in which the government sells the majority of the stakes to one or multiple companies while the government still has its ownership and remains as a minority stakeholder'?

A. Displacement

B. Divestment ✓

C. Delegation

D. Divergence

Q106 General Awareness

_____ is a command or an order from a superior court to a subordinate court or tribunal or public authority to perform its duty in case it is not doing it.

A. Mandamus ✓

B. Quo Warranto

C. Habeas Corpus

D. Certiorari

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Q107 General Awareness

The Champaran Satyagraha took place in the year ____.

A. 1912

B. 1910

C. 1917 ✓

D. 1915

Q108 General Awareness

The first ever Industrial Policy Resolution of India was announced in the year _____.

A. 1960

B. 1948 ✓

C. 1952

D. 1955

Q109 General Awareness

The marginal propensity to consume (MPC) refers to the:

A. consumption per unit of income

B. savings per unit of income

C. change in savings per unit change in income

D. rate of change of consumption as income changes ✓

Q110 General Awareness

In the year 2021, DRDO launched which satellite by PSLV-C51 to enhance India's surveillance capability in the Indian Ocean Region (IOR)?

A. Sindhu Netra Satellite ✓

B. Satish Dhawan Satellite

C. Sri Shakti Satellite

D. Sindhu Durga Satellite

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Q111 General Awareness

In Vaishnavism, how many avatars or incarnation of deity were recognised?

A. 5

B. 9

C. 10 ✓

D. 7

Q112 General Awareness

As of December 2021, the total number of nuclear power plants in India is _____.

A. 9

B. 6

C. 7 ✓

D. 10

Q113 General Awareness

Which of the following persons was honoured with the highest award of the Central European University Open Society Award in June 2021?

A. Satyendar Jain

B. KK Shailaja ✓

C. Deepak Sawant

D. Harsh Vardhan

Q114 General Awareness

'Bamabodhini Patrika', a journal for women was edited by _____.

A. Raja Ram Mohan Roy

B. Umeshchandra Dutta ✓

C. Swami Vivekananda

D. Debendranath Tagore

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Q115 General Awareness

Which of the following works of Kalidasa is based on the context of the birth of Kartikeya, the son of God Shiva and Goddess Parvati?

A. Ritusamhara

B. Raghuvamsa

C. Meghaduta

D. Kumarasambhava ✓

Q116 General Awareness

Padma Shri Minati Mishra was an Indian classical dancer and actress, known for her expertise in which of the following Indian classical dance forms?

A. Kathak

B. Bharatanatyam

C. Odissi ✓

D. Kathakali

Q117 General Awareness

For which novel did Valeria Luiselli win the International Dublin Literary Award 2021?

A. Lost Children Archive ✓

B. Sidewalks

C. Faces in the Crowd

D. The Story of My Teeth

Q118 General Awareness

Which of the following is the SI unit of electric charge and is equivalent to the charge contained in nearly 6×10^{18} electrons?

A. Coulomb ✓

B. Henry

C. Becquerel

D. Siemens

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Q119 General Awareness

Which of the following is a non-conventional source of energy?

A. Petrol

B. Wood

C. Wind ✓

D. Coal

Q120 General Awareness

On 3 August 2021, _____ became India's 69th Grandmaster of Chess at the Biel Masters Open.

A. Nihal Sarin

B. Harshit Raja ✓

C. Dommaraju Gukesh

D. Prithu Gupta

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Mathematics

35 Questions • Answer Key

Q1 Mathematics

When $k > 0$, is subtracted from each of 11, 15, 20 and 30, the numbers so obtained in this order are in proportion. What is the mean proportional between $(2k + 2)$ and $3k^2$?

A. 22

B. 32

C. 30 ✓

D. 18

Q2 Mathematics

Avra travels from A to B at 74 km/h and returns from B to A through the same route at 111 km/h. What was his average speed during the two-way journey?

A. 92.5 km/h

B. 90 km/h

C. 88.8 km/h ✓

D. 87.5 km/h

Q3 Mathematics

Kiran got married 20 years ago. Today Kiran's age is $\frac{11}{7}$ times of his age at the time of his marriage. What will Kiran's age be ten years from now?

A. 45 years

B. 65 years ✓

C. 70 years

D. 55 years

Q4 Mathematics

A certain sum is invested on compound interest at 18% per annum for 1 year 4 months, the interest being compounded 8-monthly. If the compound interest is ₹3,816, then find the sum (in ₹).

A. 14,580

B. 15,500

C. 14,800

D. 15,000 ✓

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Q5 Mathematics

Find the greatest value of (a + b) such that an 8-digit number 4523a60b is divisible by 15.

A. 9

B. 15

C. 11

D. 13 ✓

Q6 Mathematics

If $x = \frac{2+\sqrt{3}}{2-\sqrt{3}}$, then the value of $(x-7)^2$ is

A. $4\sqrt{3}$

B. $2\sqrt{3}$

C. 24

D. 48 ✓

Q7 Mathematics

Find the greatest value of k for which the 6-digit number 24312k is divisible by 6.

A. 0

B. 8

C. 6 ✓

D. 4

Q8 Mathematics

The sum of two numbers is 72. If the numbers are in the ratio 3 : 5, then find the positive difference between the two numbers.

A. 18 ✓

B. 15

C. 14

D. 20

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Q9 Mathematics

A dealer sells an article at ₹403.20, after offering a discount of 16% on its marked price. Had he not offered any discount, he would have earned a profit of 28% on the cost price of the article. What is the cost price (in ₹) of the article?

A. 400

B. 480

C. 375 ✓

D. 350

Q10 Mathematics

A purchased an item for ₹12,300. He spent ₹200 as cartage. He sold it to B at 10% profit, who sold it to C at 6% profit. C marked it at ₹2,915 higher than his cost price and allowed 10% discount to a customer. Find the profit earned by C (in ₹).

A. 1,170

B. 1,166 ✓

C. 1,172

D. 1,160

Q11 Mathematics

From a rectangular metallic sheet of length 36 cm and breadth 16 cm, three circular plates of radii 6 cm, 4 cm and 2 cm are cut out. If the area of the remaining part of the metallic sheet is equal to the area of a square, then find the length of each side of the square (in cm).

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

A. 20 ✓

B. 18.6

C. 18

D. 19.4

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Q12 Mathematics

A man on a cliff observes a boat at an angle of depression of 30°, which is approaching the shore to a point exactly beneath the observer, at a uniform speed. Ten minutes later, the angle of depression of the boat is found to be 60°. Find the total time taken by the boat to reach the shore.

A. 15 minutes ✓

B. 16 minutes

C. 18 minutes

D. 14 minutes

Q13 Mathematics

PQRS is a cyclic quadrilateral in a circle with centre O. $\angle PQR$ *and* $\angle PSR$ are in the ratio 11 : 7. If PQ = QR, then find. $\angle OPQ$

A. $62°$

B. $56°$

C. $52°$

D. $55°$ ✓

Q14 Mathematics

One-eighth of a number is 12 less than half of 42. Find one-fourth of the number.

A. 72

B. 20

C. 18 ✓

D. 25

Q15 Mathematics

From the top of the tower of 30 m height, a man is observing a kid playing on the ground at an angle of depression of 30 degrees. Find the distance between the foot of the tower and the kid.
(Height of man and kid are to be ignored for calculation)

A. $52\sqrt{3}$ m

B. 53 m

C. $30\sqrt{3}$ m ✓

D. $\frac{30}{\sqrt{3}}$ m

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Q16 Mathematics

A and B undertake to do a piece of work for ₹18,750. A can do it in 20 days and B can do it in 30 days. With the help of C, they finished it in 8 days. How much C should be paid for his work in proportion?

A. ₹6,500

B. ₹7,500

C. ₹6,250 ✓

D. ₹5,000

Q17 Mathematics

A sum of ₹7800 amounts to ₹10381.80 at x% p.a. in 2 years when the interest is compounded 8-monthly. What will be the compound interest on the same sum at $(x + 5)$% p.a. in one year, if the interest is compounded half yearly?

A. ₹1560

B. ₹1654

C. ₹1660

D. ₹1638 ✓

Q18 Mathematics

If the median of $a, \frac{a}{2}, \frac{2a}{3}, \frac{a}{4}, \frac{3a}{5}$ is 6, then what is the value of a where a is natural number?

A. 12

B. 10 ✓

C. 9

D. 11

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Q19 Mathematics

In a school there are 360, 520 and 280 students in classes 5, 6 and 7 respectively. Buses are to be hired to take these students for a trip. Find the maximum number of students who can be accommodated in each bus if each bus must take same number of students, and each bus should have students from the same class.

A. 40 ✓

B. 20

C. 50

D. 30

Q20 Mathematics

Find the value of the expression $81^{0.16} \times 3^{0.36}$.

A. 2.56

B. 0.13

C. 3 ✓

D. 1

Q21 Mathematics

The radius of a sphere and the base radius of cone both are equal to $3\sqrt{2}$ cm. If the surface area of the sphere is the same as the total surface area of the right circular cone, then what is the height of the cone?

A. $12\ cm$ ✓

B. $8\sqrt{2}cm$

C. $8\ cm$

D. $9\sqrt{2}cm$

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Q22 Mathematics

Pipe A can fill 50% of a tank in 4 hours and pipe B can completely fill the same tank in 12 hours. If both the pipes are opened at the same time, then in how much time will the empty tank be completely filled?

A. 4 hours 48 minutes ✓

B. 4 hours 55 minutes

C. 4 hours 40 minutes

D. 4 hours 52 minutes

Q23 Mathematics

The mean of a certain number of observations is 12. If one observation is removed and the mean remains unaltered, then the removed observation is:

A. 13

B. 12 ✓

C. 10

D. 11

Q24 Mathematics

The simple interest on a certain sum for $3\frac{1}{3}$ years at 15% p.a. is ₹1,840 less than the simple interest on the same sum for $5\frac{1}{2}$ years at 12% p.a. The sum is:

A. ₹11,500 ✓

B. ₹13,500

C. ₹10,105

D. ₹12,500

Q25 Mathematics

If the square of a positive number is 6 more than five times the number, what is the number?

A. 8

B. 6 ✓

C. 5

D. 9

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Q26 Mathematics

If the main diagonal of a cube is 12 cm long, then find the volume of the cube.

A. $192\sqrt{3}\ \text{cm}^3$ ✓

B. $64\sqrt{3}\ \text{cm}^3$

C. $192\ \text{cm}^3$

D. $128\sqrt{3}\ \text{cm}^3$

Q27 Mathematics

The amount payable on maturity after $5\frac{1}{2}$ years on a sum of ₹4,750, when invested at a certain rate per cent of simple interest per annum, was ₹6,840. What was the per annum per cent rate of simple interest paid?

A. 8% ✓

B. 8.5%

C. 7.5%

D. 9%

Q28 Mathematics

The average of 25 numbers is 48.2. If the average of the first 10 numbers is 47 and the average of the last 12 numbers is 49, then find the average of 58, 69 and the remaining numbers.

A. 54.8 ✓

B. 53.7

C. 55.9

D. 52

Q29 Mathematics

A person can row at a speed of 11 km/h in still water. The speed of the stream is $\frac{5}{6}$ m/s. How much time will he take to row a distance of 36 km upstream?

A. 4 hrs 30 min ✓

B. 4 hrs 20 min

C. 4 hrs 36 min

D. 4 hrs 15 min

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Q30 Mathematics

Simplify the expression. $95 \div 15 - 34 \div \{18 - 4 \div (3 \times 12) \times 9\} \times 2$

A. $-\frac{95}{986}$

B. $2\frac{1}{3}$ ✓

C. $2\frac{5}{9}$

D. $5\frac{1}{3}$

Q31 Mathematics

The length of the base of a triangle is 6 cm more than the corresponding altitude. If the area of the triangle is 108 cm^2, find the length of the base of the triangle.

A. 12 cm

B. 27 cm

C. 18 cm ✓

D. 9 cm

Q32 Mathematics

Which of the given fractions is less than $\frac{1}{2}$?

A. $\frac{8}{15}$

B. $\frac{15}{31}$ ✓

C. $\frac{11}{21}$

D. $\frac{5}{9}$

Q33 Mathematics

Simplify the expression. $\sqrt{0.25} + 2\sqrt{0.0049} - 0.3\sqrt{0.09}$

A. 0.1

B. 5.05

C. 0.55 ✓

D. 2.73

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Q34 Mathematics

What is the volume of a hemisphere having radius 3 cm?

A. 27π cm^3

B. 18π cm^3 ✓

C. 36π cm^3

D. 9π cm^3

Q35 Mathematics

Renu's marks were wrongly entered as 99 in place of 9. Due to this error, the average marks of the class were 2.25 more than the actual average. What is the number of students in the class?

A. 42

B. 40 ✓

C. 38

D. 36

General Intelligence and Reasoning

35 Questions • Answer Key

Q36 General Intelligence and Reasoning

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.

A. $343 - 5$ ✓

B. $512 - 9$

C. $729 - 10$

D. $125 - 6$

Q37 General Intelligence and Reasoning

There are 42 students in a class. If Kritika is 18^{th} from the top, what is her position from the bottom?

A. 24^{th}

B. 25^{th} ✓

C. 23^{rd}

D. 26^{th}

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Q38 General Intelligence and Reasoning

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 dresses are shirts.

All shirts are clothes.

Conclusions:

(I) Some clothes are dresses.

(II) All shirts are dresses.

A. Only conclusion II follows

B. Both conclusions I and II follow

C. Neither conclusion I nor II follows

D. Only conclusion I follows ✓

Q39 General Intelligence and Reasoning

Eight people M, N, P, S, T, V, X and Y are sitting in a straight row and all are facing north. M sits third from one of the extreme ends of the line. N sits second to the right of M. As many people sit to the right of N as to the left of P. S sits third to the right of P. X sits to the immediate right of Y. Only one person sits between X and V.

How many people sit to the right of T?

A. Three

B. Two

C. One ✓

D. None

Q40 General Intelligence and Reasoning

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

UZM, QVQ, MRU, ?, EJC

A. RWU

B. INY ✓

C. GZX

D. MQC

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Q41 General Intelligence and Reasoning

Read the given statement and conclusions carefully. Decide which of the given conclusions logically follow(s) from the statement.

Statement:

R is not the mother of P. P is the daughter of S, and S has three daughters.

Conclusions:

I. P is the sister of R

II. S is the mother of P.

A. Only conclusion II follows

B. Both conclusions I and II follow

C. Neither conclusion I nor II follows ✓

D. Only conclusion I follows

Q42 General Intelligence and Reasoning

Study the given digit-letter-symbol sequence carefully and answer the question that follows.

(Left)5 Q + S r 8 B @ A 3 ? 6 c < Z % 6 d & G $ 2(Right)

If the given sequence is written in the reverse order, then which element will be 7^{th} to the right of the 10^{th} element from the right end?

A. + ✓

B. %

C. 8

D. B

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Q43 General Intelligence and Reasoning

'Y ① Z' means 'Y is the sister of Z'.

'Y ② Z' means 'Y is the husband of Z'.

'Y ③ Z' means 'Y is the daughter of Z'.

'Y ④ Z' means 'Y is the mother of Z'.

'Y ⑤ Z' means 'Y is the brother of Z'.

In the following expression, select the option that can replace the question mark (?) to establish that 'C is the child of L'.

U ④ L ② G ④ M ① O ? C

A. Only '②'

B. Either '⑤' or '④'

C. Either '①' or '⑤' ✓

D. Only '④'

Q44 General Intelligence and Reasoning

REM is related to IVN as per the English alphabetical order in the same way as DOH is related to WLS. Following the same pattern, KEY is related to _____.

A. QUD

B. QVB

C. PVB ✓

D. PUC

Q45 General Intelligence and Reasoning

If 'Pencil' is called 'Pen', 'Pen' is called 'Umbrella', 'Umbrella' is called 'Book', 'Book' is called 'Ruler', and 'Ruler' is called 'Computer', then which of the following can be used as protection against rain?

A. Umbrella

B. Pencil

C. Book ✓

D. Computer

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Q46 General Intelligence and Reasoning

There is a group of six people S, V, O, Y, X and T, each having a different height. Each one of them is in a different class. O is taller than V but shorter than T. S, V and O are in class 9, 7 and 3, respectively. S is the tallest and in the highest class. X is taller than Y but shorter than V. T is in a class senior to Y but junior to V. X is in a class senior to V. Who is in a class senior but shorter than V?

A. S

B. O

C. X ✓

D. Y

Q47 General Intelligence and Reasoning

In a certain code language, 'COULD' is written as 'BNTKC', and 'MARGIN' is written as 'LZQFHM'. How will 'MOULDING' be written in that language?

A. LNKTCMFH

B. NITKHCMF

C. CHMFINTK

D. LNTKCHMF ✓

Q48 General Intelligence and Reasoning

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

A. aabaca ✓

B. abacaa

C. bacaaa

D. aaacba

Q49 General Intelligence and Reasoning

Rupali goes to office from her house via a specific route. Initially, she travels 17 km towards the north, then turns right towards the east and travels 15 km. From here, she again takes a right turn and travels 17 km. Now, she turns left and travels 7 km and finally reaches her office. In which direction and how many km away (considering the shortest distance) is she from her house? (All turns are 90^{o} turns only)

A. West; 22 km

B. East; 24 km

C. East; 22 km ✓

D. West; 29 km

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Q50 General Intelligence and Reasoning

Benkat's birthday on 01st January 2012 was a Sunday. On what day will his next birthday be?

A. Tuesday ✓

B. Sunday

C. Saturday

D. Monday

Q51 General Intelligence and Reasoning

A, B, C, D, J, K, L and M are sitting around a square table facing the centre of the table. Four of them are sitting at either of the corners while the other four are sitting at the exact centre of either of the sides.

D sits at one of the corners of the table. Only two people sit between D and C, when counted from the left of D. Only three people sit between C and B. M sits third to the left of B. K sits to the immediate right of M. A is neither an immediate neighbour of B nor C. J sits to the immediate left of A.

Who sits second to the right of L?

A. K

B. J

C. M ✓

D. C

Q52 General Intelligence and Reasoning

Which two signs should be interchanged to make the following equation correct?

$12 - 4 + 8 \times 3 \div 7 = 20$

A. $\div, -$ ✓

B. $\times, +$

C. $\div, \times$

D. $+, -$

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Q53 General Intelligence and Reasoning

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:

On which day does Sujatha's birthday fall?

Statements:

I. Tom correctly remembers that her birthday comes after Tuesday but before Saturday.

II. Anu correctly remembers that her birthday comes before Thursday but after Monday.

A. Statement II alone is 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. Neither statement I nor II is sufficient to answer the question

Q54 General Intelligence and Reasoning

In a certain code language,
'speak out your mind' is coded as 'sr tw bl ca',
'your results are out' is coded as 'sr pu en tw',
'mind your results' is coded as 'tw ca pu'.
(Note: All codes are two letter codes only)

What is the code for 'are out' in the given code language?

A. sr en ✓

B. tw pu

C. pu sr

D. en tw

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Q55 General Intelligence and Reasoning

In a certain code language,
'always bring your medicines' is coded as 'ye si ut oh',
'bring every friend' is coded as 'mg td ye',
'always your best friend' is coded as 'ut jo si mg'.
(Note: All codes are two letter codes only)

If 'your every move' is coded as 'px td ut', what is the probable code for 'always best medicines' in the given code language?

A. oh ye td

B. oh si jo ✓

C. jo si ye

D. td mg ut

Q56 General Intelligence and Reasoning

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

The administration has set the following criteria for the selection of a teacher in school. The candidate must:

A. Be a graduate with at least 50% marks

B. Have a qualified bachelor's degree in education

C. Not be less than 21 Years and not more than 32 years as on 1st July 2021.

D. For a candidate with Master in Education, the school board may relax the upper age limit.

Rahul Verma is teaching in a reputed school He is a 1st class graduate. He was 23 years old when he joined the previous school as a teacher. He has also completed B.Ed.

A. The data given are not sufficient to take a decision. ✓

B. The candidate is to be appointed.

C. The case is to be referred to the school board.

D. The candidate is not to be appointed.

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Q57 General Intelligence and Reasoning

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.

15, 8, 12 = 10

26, 6, 13 = 12

11, 12, 4 = ?

A. 19

B. 33 ✓

C. 11

D. 28

Q58 General Intelligence and Reasoning

Five products, A, B, C, D and E are priced differently in a general store. 'A' is cheaper than 'C' but costlier than 'B'. 'E' is costlier than 'C' but cheaper than 'D'. Which product is the cheapest?

A. B ✓

B. E

C. C

D. A

Q59 General Intelligence and Reasoning

There are four people sitting in a room. When asked a question, each of them gives two answers. Only two out of the four people give one right answer and one wrong answer, while other two persons give both answers wrong. When asked about the day today, person 1 says its Wednesday or Sunday. Person 2 says its Monday or Saturday. Person 3 says its Tuesday or Friday. And person 4 says its Thursday or Wednesday. What is the day today?

A. Sunday

B. Friday

C. Saturday

D. Wednesday ✓

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Q60 General Intelligence and Reasoning

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

132, 129, 124, 117, 108, ?

A. 98

B. 119

C. 97 ✓

D. 103

Q61 General Intelligence and Reasoning

Roshni correctly remembers that Sreshta's birthday is before Thursday but after Monday. Kalyan correctly remembers that Sreshta's birthday is after Tuesday but before Friday. On which of the following days does Sreshta's birthday fall?

A. Monday

B. Tuesday

C. Wednesday ✓

D. Thursday

Q62 General Intelligence and Reasoning

In a row of 25 people facing north, Keshav is 7^{th} from the extreme right end. If Teja sits 5^{th} to the left of Keshav, what is Teja's position from the extreme left end of the line?

A. 13^{th}

B. 14^{th} ✓

C. 15^{th}

D. 16^{th}

Q63 General Intelligence and Reasoning

Rekha was standing facing east. She then turned 90 degrees right and then turned 45 degrees in the anti-clockwise direction. She then turned 90 degrees clockwise. In which direction is she facing now?

A. South-west ✓

B. North-east

C. South

D. North

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Q64 General Intelligence and Reasoning

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 orchids are flowers.

Some orchids are beautiful.

Conclusions:

I. Some flowers are beautiful.

II. All beautiful are flowers.

A. Only conclusion I follows ✓

B. Either conclusion I or II follows

C. Only conclusion II follows

D. Both conclusions I and II follow

Q65 General Intelligence and Reasoning

How many such pairs of letters are there in the word DOLPHIN (in both the forward and backward directions) which have as many letters between them in the word as there are in the English alphabetical order?

A. Three

B. Four ✓

C. None

D. Two

Q66 General Intelligence and Reasoning

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.

JOE : GLB :: RDY : OAV :: PGL : ?

A. SJI

B. MDO

C. SJO

D. MDI ✓

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Q67 General Intelligence and Reasoning

Six persons A, B, C, D, E and F were engaged in a group discussion. A spoke immediately before D but immediately after B. B spoke immediately after F. If C spoke immediately after D but before E, then who among the following started the discussion?

A. D

B. F ✓

C. B

D. E

Q68 General Intelligence and Reasoning

Ten people are sitting in two parallel rows 1 and 2. J, K, L, M and N are sitting in row 1 facing south, and Q, R, S, T and U are sitting in row 2 facing north, in such a way that each member in row 1 faces a member of row 2.

Only two people sit to the left of Q. J faces an immediate neighbour of Q. M sits to the immediate left of J. The one who faces K sits to the immediate left of S. Neither K nor S sit at any of the extreme ends. Only two people sit between S and T. N faces an immediate neighbour of U.

Who faces R?

A. M ✓

B. N

C. J

D. K

Q69 General Intelligence and Reasoning

Six classmates T, U, V, W, X and Y each scored different marks in an entrance examination. V scored more than only T and X. W scored less than only U. X did not score the least. The one who scored the third highest marks, scored 91 marks. X scored 72 marks.

Which of the following could possibly be V's score?

A. 71

B. 80 ✓

C. 97

D. 104

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Q70 General Intelligence and Reasoning

The following table presents the number of candidates trained by a training centre over 6 years (2001 to 2006).

Year	Batch 1	Batch 2	Batch 3	Batch 4	Batch 5
2001	75	144	114	102	108
2002	90	126	102	84	126
2003	96	114	75	105	135
2004	105	90	150	90	75
2005	90	75	135	75	90
2006	105	60	165	45	120

The number of candidates trained in Batch 2 in 2001 was what percentage more than the number of candidates trained in Batch 5 in 2005?

A. 32%

B. 85%

C. 20%

D. 60% ✓

General Awareness

50 Questions • Answer Key

Q71 General Awareness

On the shores of the Bay of Bengal, the temple at Konark was built in the _____.

A. 11th century

B. 10th century

C. 12th century

D. 13th century ✓

Q72 General Awareness

According to the Census of India 2011, in which of the following states was Scheduled Caste population NOT recorded?

A. Assam

B. Tripura

C. Sikkim

D. Nagaland ✓

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Q73 General Awareness

The diagram representing the breakdown of population by gender and age at a given point of time is known as the:

A. population hyperbola

B. population sphere

C. population cuboid

D. population pyramid ✓

Q74 General Awareness

Who among the following is the author of the novel 'Red Earth and Pouring Rain'?

A. Arundhati Roy

B. Samanta Bhadra

C. Vikram Chandra ✓

D. Suketu Mehta

Q75 General Awareness

In how much time did Avinash Sable win the men's 3000 m steeplechase in the National Federation Cup Senior Athletics Championships at Netaji Subhas National Institute in 2021?

A. 8 minutes 30.20 seconds

B. 8 minutes 15.20 seconds

C. 8 minutes 10.20 seconds

D. 8 minutes 20.20 seconds ✓

Q76 General Awareness

Black Soil is dominant in which of the following physical divisions of India?

A. Deccan traps ✓

B. Himalayan mountains

C. Indo Gangetic plains

D. Thar desert

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Q77 General Awareness

The profit of a firm is the _____ total revenue earned and total cost incurred.

A. difference between ✓

B. addition of

C. product of

D. division of

Q78 General Awareness

Which of following plants do NOT fix atmospheric nitrogen due to a mutualistic symbiotic relationship with rhizobia bacteria found in their root nodules?

A. Ficus ✓

B. Peanuts

C. Lentils

D. Chickpeas

Q79 General Awareness

Hepatitis A is an inflammation of the _____ that can cause mild to severe illness.

A. kidney

B. heart

C. liver ✓

D. brain

Q80 General Awareness

The Hemis Gompa festival is celebrated to celebrate the birth anniversary of Guru_____.

A. Katyayana

B. Marpa Lotsawa

C. Patrul Rinpoche

D. Padmasambhava ✓

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Q81 General Awareness

The Ministry of Culture organised a flagship festival to achieve the goal of 'Ek Bharat Shreshtha Bharat' in West Bengal in February 2021. What was the name of that festival?

A. Rashtriya Shakti Mahotsav

B. Sankalp Mahotsav

C. Amrit Mahotsav

D. Rashtriya Sanskriti Mahotsav ✓

Q82 General Awareness

Which of the following statements is justifiable for 'floating exchange rate'?

A. It maintains an equilibrium between export and import.

B. It records international transactions of assets.

C. It is determined by the market forces of demand and supply. ✓

D. It reduces the foreign exchange.

Q83 General Awareness

_____is the founder of National Orchestra of India.

A. Uday Shankar

B. Anoushka Shankar

C. Ananda Shankar

D. Ravi Shankar ✓

Q84 General Awareness

Tata Airlines was originally launched in the year ____.

A. 1932 ✓

B. 1956

C. 1944

D. 1968

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Q85 General Awareness

Goa became India's 25th state on:

A. 30 May 1986

B. 30 May 1990

C. 30 May 1987 ✓

D. 30 May 1988

Q86 General Awareness

Which of the following rivers originates in our neighbouring country Nepal?

A. Brahmaputra

B. Rapti ✓

C. Indus

D. Ganga

Q87 General Awareness

The Rigveda is a collection of 1,028 hymns divided into _____mandalas.

A. 14

B. 7

C. 10 ✓

D. 9

Q88 General Awareness

Atal Tunnel, the world's longest highway tunnel connects Manali with _____.

A. Kullu

B. Shimla

C. Jammu

D. Lahaul-Spiti ✓

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Q89 General Awareness

Which of the following is the constituent of Article 182 of the Indian Constitution?

A. The Speaker or the Deputy Speaker not to preside while a resolution for his removal from office is under consideration.

B. Power of the Deputy Speaker or other person to perform the duties of the office of, or to act as, Speaker.

C. Vacation and resignation of, and removal from, the offices of Chairman and Deputy Chairman.

D. The Chairman and Deputy Chairman of the Legislative Council. ✓

Q90 General Awareness

Which of the following symbols at Sanchi stupas represents the first sermon of Buddha delivered at Sarnath?

A. Empty Seat

B. Wheel ✓

C. Bodhi Tree

D. Elephant

Q91 General Awareness

The renowned singer MS Subbulakshmi was an Indian Carnatic singer born in _____.

A. Vellore

B. Madurai ✓

C. Erode

D. Thanjavur

Q92 General Awareness

Government of India has planned to earmark how much amount for National Research Foundation (NRF) over a period of 5 years on 26 July 2021?

A. ₹30,000 crore

B. ₹20,000 crore

C. ₹50,000 crore ✓

D. ₹75,000 crore

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Q93 General Awareness

The orbit of which of the following satellites is NOT sun-synchronous?

A. Meteosat – 11 ✓

B. NIMBUS - 7

C. ERS-1

D. IKONOS

Q94 General Awareness

Fiat money is the one which _____.

A. has no intrinsic value ✓

B. has taxes equal to government spending

C. has intrinsic value equal to the face value

D. does not go any further transformation

Q95 General Awareness

Scandinavia is a cultural region found in which of the following continents?

A. Africa

B. North America

C. Asia

D. Europe ✓

Q96 General Awareness

The first English factory was set up on the banks of the river Hugli in _____.

A. 1671 CE

B. 1651 CE ✓

C. 1661 CE

D. 1641 CE

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Q97 General Awareness

In which of the following years did the Monopolies and Restrictive Trade Practices Act (MRTP) became effective?

A. 1974

B. 1970 ✓

C. 1978

D. 1968

Q98 General Awareness

_____ ranked first in the Human Development Index Report 2020 prepared by the United Nations Development Programme (UNDP).

A. Sweden

B. Iceland

C. Hong Kong

D. Norway ✓

Q99 General Awareness

Kalhana's Rajatarangini in Sanskrit language covers the history of kings who ruled over _____.

A. Bihar

B. Bengal

C. Delhi

D. Kashmir ✓

Q100 General Awareness

With respect to memory, what is the full form of USB?

A. Universal Serial Bus ✓

B. Unique Service Bus

C. Universal Service Bus

D. Unique Serial Bus

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Q101 General Awareness

Who was the first political personality to discuss the concept of 'Poverty Line'?

A. Dadabhai Naoroji ✓

B. Raja Ram Mohan Roy

C. Mahatma Gandhi

D. Rajendra Prasad

Q102 General Awareness

Article 352 of the Constitution of India deals with the:

A. centre-state relations

B. national emergency ✓

C. supreme court

D. state emergency

Q103 General Awareness

In June 2021, Telangana government partnered with which e-commerce firm to develop the 'Medicine from the Sky' project?

A. Flipkart Internet Pvt. Ltd. ✓

B. Amazon Development Centre India Pvt. Ltd.

C. Just Dial Ltd.

D. Grofers India Pvt. Ltd

Q104 General Awareness

Name a low-cost ventilator equivalent to commercially available high-end ventilators developed by the Vikram Sarabhai Space Center (VSSC) of Indian Space Research Organisation in May 2021.

A. JeeVan

B. GaTi

C. VaU ✓

D. VaRun

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Q105 General Awareness

Palm Jumeirah, the artificial islands built to give boost to the tourism, is a project of which country?

A. UAE ✓

B. USA

C. Singapore

D. India

Q106 General Awareness

As of January 2022, who among the following is the Chief Justice of India?

A. Indira Banerjee

B. Sanjay Kishan Kaul

C. Uday Umesh Lalit

D. Nuthalapati Venkata Ramana ✓

Q107 General Awareness

Who was Gianluigi Donnarumma whose name was seen in news in July 2021?

A. Aeronautical Scientist

B. Sportsperson ✓

C. Theatre Director

D. Politician

Q108 General Awareness

Which of the following neighbouring countries of India has the smallest area?

A. Pakistan

B. Myanmar

C. Bhutan ✓

D. Nepal

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Q109 General Awareness

Of the food items listed below, which is the richest source of Vitamin C?

A. Eggs

B. Citrus fruits ✓

C. Dates

D. Pulses

Q110 General Awareness

Which of the following is an earth-observation satellite to be launched jointly by NASA and ISRO?

A. OCEANSAT

B. KALPANA

C. RISAT

D. NISAR ✓

Q111 General Awareness

Who among the following is an Indian tabla virtuoso, composer, percussionist, music producer and film actor who was awarded the Padma Shri in 1988, and the Padma Bhushan in 2002?

A. Ustad Zakir Hussain ✓

B. Pandit Anindo Chatterjee

C. Pandit Kumar Bose

D. Ustad Allah Rakha

Q112 General Awareness

Which of the following rivers is also known as Yarlung Tsangpo in the Tibet region of China?

A. Indus

B. Teesta

C. Sutlej

D. Brahmaputra ✓

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Q113 General Awareness

Which former athlete was honoured with the Lifetime Achievement Award at BBC Indian Sportswoman of the Year 2021?

A. Anita Sood

B. PT Usha

C. Anju Bobby George ✓

D. Diana Edulji

Q114 General Awareness

The development of Sanskrit grammar began with Panini, with his book named _____.

A. Lalitavistara

B. Buddhacharita

C. Mahavastu

D. Ashtadhyayi ✓

Q115 General Awareness

The FRBMA was enacted in 2003, which set targets for the government to reduce fiscal deficits. What does FRBMA stand for?

A. Financial Relations and Budget Management Act

B. Financial Responsibility and Budget Maintenance Act

C. Fiscal Responsibility and Budget Management Act ✓

D. Fiscal Relations and Budget Maintenance Act

Q116 General Awareness

The inspiration for the adoption of Parliamentary form of government was drawn by framers of the Constitution of India from:

A. Britain ✓

B. Switzerland

C. Japan

D. United States of America

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Q117 General Awareness

Which of the following is an element of d block in the modern periodic table?

A. Na

B. Ca

C. Fe ✓

D. Mg

Q118 General Awareness

With which of the following states/union territories is the Siddi Dhamal Dance associated?

A. Ladakh

B. Andaman and Nicobar Islands

C. Gujarat ✓

D. Nagaland

Q119 General Awareness

The Gandhi-Irwin pact was signed in _____.

A. 1926

B. 1928

C. 1931 ✓

D. 1949

Q120 General Awareness

Which of the following is a standard internet protocol used for transmitting the files from one computer to another computer connected to the internet?

A. SMTP

B. FTP ✓

C. TELNET

D. HTTP

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