RRB GROUP - D SHIFT – 3 (28-09-2022)

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Test Date	28/09/2022
Test Time	5:00 PM - 6:30 PM
Subject	Level 1

* 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.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : **Level 1**

Q.1 Simplify $3x(x + 2) - 5x(x - 3) + 7$.

Ans
✗ 1. $2x^2 + 21x + 7$

✗ 2. $2x^2 + 11x + 7$

✗ 3. $-2x^2 + 21x + 6$

✔ 4. $-2x^2 + 21x + 7$

Question ID : **75189712059**
Option 1 ID : **75189748235**
Option 2 ID : **75189748233**
Option 3 ID : **75189748234**
Option 4 ID : **75189748236**
Status : **Answered**
Chosen Option : **4**

Q.2 'Equality of opportunity in matters of public employment' as a Fundamental Right in the Indian Constitution is given in which Article of the Constitution?

Ans
✗ 1. Article 14

✔ 2. Article 16

✗ 3. Article 17

✗ 4. Article 15

Question ID : **75189712422**
Option 1 ID : **75189749685**
Option 2 ID : **75189749687**
Option 3 ID : **75189749688**
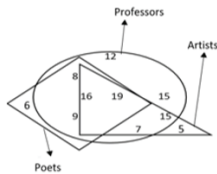Option 4 ID : **75189749686**
Status : **Answered**
Chosen Option : **2**

Q.3 Find the mode of the following data.

2, 6, 5, 2,4, 9, 6, 2, 66, 4, 10, 12, 6, 22, 2, 44, 9

Ans
❌ 1. 4

❌ 2. 6

❌ 3. 9

✅ 4. 2

Q.4 Observe the given diagram carefully and answer the question that follows. The numbers in different sections indicate the number of persons.

How many such persons are there in the above group who are not artists and poets but are only professors?
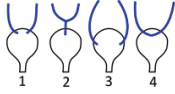
Ans
✅ 1. 27

❌ 2. 35

❌ 3. 17

❌ 4. 22

Q.5 What is the name of India's first privately developed fully cryogenic rocket engine?

Ans
❌ 1. Bhabha-1

❌ 2. Sarabhai-1

❌ 3. Kalam-1

✅ 4. Dhawan-1

Q.6 Which of the following diagrams depicts the positions of the ureters (shown as blue lines) and the urinary bladder in the human excretory system?

Ans ✗ 1. Diagram 4

✗ 2. Diagram 3

✗ 3. Diagram 2

✓ 4. Diagram 1

Question ID : **75189710103**
Option 1 ID : **75189740412**
Option 2 ID : **75189740411**
Option 3 ID : **75189740410**
Option 4 ID : **75189740409**
Status : **Answered**
Chosen Option : **2**

Q.7 The magnetic field produced by a current carrying conductor decreases as the _____ increases.

Ans ✓ 1. distance

✗ 2. current

✗ 3. voltage

✗ 4. resistance

Question ID : **75189713866**
Option 1 ID : **75189755462**
Option 2 ID : **75189755461**
Option 3 ID : **75189755463**
Option 4 ID : **75189755464**
Status : **Answered**
Chosen Option : **1**

Q.8 Refer to the given number, symbol series and answer the question that follows.

(Left) ¥ 1 λ 2 5 $ 2 # 1 & 2 3 € 1 5 6 % ¥ 2 @ 6 (Right)

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

Ans ✗ 1. 2

✓ 2. 1

✗ 3. 0

✗ 4. 3

Question ID : **75189714548**
Option 1 ID : **75189758191**
Option 2 ID : **75189758190**
Option 3 ID : **75189758189**
Option 4 ID : **75189758192**
Status : **Answered**
Chosen Option : **2**

Q.9 While playing a game, P is standing to the south of D, who is to the west of A, who is to the north of J. If P exchanges his position with A, then what is the direction of J with respect to P?

Ans

✗ 1. North

✗ 2. East

✗ 3. West

✓ 4. South

Question ID : **75189711413**
Option 1 ID : **75189745649**
Option 2 ID : **75189745651**
Option 3 ID : **75189745652**
Option 4 ID : **75189745650**
Status : **Answered**
Chosen Option : **4**

Q.10 Which is the first Indian mosque?

Ans

✗ 1. Palaiya Jumma Palli

✗ 2. Ziarat Shareef

✗ 3. Malik Dinar Mosque

✓ 4. Cheraman Juma Mosque

Question ID : **75189714056**
Option 1 ID : **75189756222**
Option 2 ID : **75189756224**
Option 3 ID : **75189756221**
Option 4 ID : **75189756223**
Status : **Not Answered**
Chosen Option : **--**

Q.11 In which part of the human body are villi present?

Ans

✗ 1. Eye

✗ 2. Kidney

✗ 3. Liver

✓ 4. Small intestine

Question ID : **7518974371**
Option 1 ID : **75189717482**
Option 2 ID : **75189717484**
Option 3 ID : **75189717481**
Option 4 ID : **75189717483**
Status : **Answered**
Chosen Option : **4**

Q.12 P, Q, R, S, T and U are six friends sitting around a circular table, facing the centre of the table in a café. S is seated third to the right of U. Q is the immediate neighbour of U and P. T is seated to the immediate left of S. Who are the immediate neighbours of R?

Ans
  ✗ 1. T and S

  ✗ 2. Q and U

  ✓ 3. U and T

  ✗ 4. P and S

Question ID : **75189714581**
Option 1 ID : **75189758321**
Option 2 ID : **75189758324**
Option 3 ID : **75189758322**
Option 4 ID : **75189758323**
Status : **Answered**
Chosen Option : **3**

Q.13 Three resistors of 12 ohm, 16 ohm and 48 ohm are connected in parallel. What is the net resistance?

Ans
  ✗ 1. 1/6 ohm

  ✓ 2. 6 ohm

  ✗ 3. 76 ohm

  ✗ 4. 1/76 ohm

Question ID : **75189713812**
Option 1 ID : **75189755247**
Option 2 ID : **75189755245**
Option 3 ID : **75189755246**
Option 4 ID : **75189755248**
Status : **Answered**
Chosen Option : **2**

Q.14 In Assembly Election 2022, how many seats did Aam Aadmi Party win in Punjab?

Ans
  ✗ 1. 93

  ✗ 2. 95

  ✗ 3. 94

  ✓ 4. 92

Question ID : **75189710603**
Option 1 ID : **75189742410**
Option 2 ID : **75189742412**
Option 3 ID : **75189742411**
Option 4 ID : **75189742409**
Status : **Not Answered**
Chosen Option : **--**

Q.15 The Ministry of Labour and Employment has developed eSHRAM portal for _____.

Ans ✗ 1.

creating a National Database of Public Sector Undertakings Workers (NDPSUW)

✗ 2.

creating a National Database of Government Workers (NDGW)

✗ 3.

creating a National Database of Organised Workers (NDOW)

✓ 4.

creating a National Database of Unorganised Workers (NDUW)

Question ID : **75189712351**
Option 1 ID : **75189749404**
Option 2 ID : **75189749403**
Option 3 ID : **75189749401**
Option 4 ID : **75189749402**
Status : **Answered**
Chosen Option : **4**

Q.16 In which of the following states in India is the largest mass nesting site for the Olive-ridley Turtles found?

Ans ✗ 1. Tamil Nadu

✓ 2. Odisha

✗ 3. Kerala

✗ 4. Gujarat

Question ID : **75189712160**
Option 1 ID : **75189748640**
Option 2 ID : **75189748637**
Option 3 ID : **75189748638**
Option 4 ID : **75189748639**
Status : **Answered**
Chosen Option : **2**

Q.17 This question consists of a statement followed by two arguments I and II. Read the statement and the arguments carefully and select the appropriate answer from the given options.

Statement:

Eating junk food is not good for health.

Arguments:

I. Junk food has high amount of fats, chemical additives and sodium leading to obesity.

II. High intake of sugars and fats tend to suppress the function of the brain that helps in learning and memory formation.

Ans ✗ 1. Both I and II weaken the statement.

✓ 2. Both I and II strengthen the statement.

✗ 3. I weakens while II strengthens the statement.

✗ 4. II weakens while I strengthens the statement.

Question ID : **75189713927**
Option 1 ID : **75189755707**
Option 2 ID : **75189755708**
Option 3 ID : **75189755705**
Option 4 ID : **75189755706**
Status : **Answered**
Chosen Option : **4**

Q.18 The refractive index of a material can be linked with relative _____ of propagation of light in different media.

Ans

✔ 1. speed

✘ 2. acceleration

✘ 3. force

✘ 4. displacement

Question ID : **75189713764**
Option 1 ID : **75189755055**
Option 2 ID : **75189755053**
Option 3 ID : **75189755056**
Option 4 ID : **75189755054**
Status : **Answered**
Chosen Option : **1**

Q.19 The roots of the quadratic equation $x + \frac{20}{x} = 9$ are:

Ans

✘ 1. $3, 6$

✔ 2. $4, 5$

✘ 3. $-4, -5$

✘ 4. $-3, -6$

Question ID : **75189712842**
Option 1 ID : **75189751367**
Option 2 ID : **75189751365**
Option 3 ID : **75189751366**
Option 4 ID : **75189751368**
Status : **Answered**
Chosen Option : **2**

Q.20 Which of the following numbers will replace the question mark (?) in the given series?

3   11   20   28   37   ?

Ans

✔ 1. 45

✘ 2. 55

✘ 3. 54

✘ 4. 44

Question ID : **75189712705**
Option 1 ID : **75189750819**
Option 2 ID : **75189750818**
Option 3 ID : **75189750820**
Option 4 ID : **75189750817**
Status : **Answered**
Chosen Option : **1**

Q.21 Which of the following numbers will replace the question mark (?) in the given series?

240   240   120   40   10   ?

Ans ✗ 1. 5

✗ 2. 8

✔ 3. 2

✗ 4. 1

Question ID : **75189712676**
Option 1 ID : **75189750703**
Option 2 ID : **75189750702**
Option 3 ID : **75189750704**
Option 4 ID : **75189750701**
Status : **Answered**
Chosen Option : **3**

Q.22 A has a certain amount of money and B also has some money. If A gives ₹130 to B, then B will have 1.5 times the amount left with A. Instead, if B gives ₹70 to A, then A will have 2 times the amount left with B. What is the total amount of money that A and B together have between them?

Ans ✔ 1. ₹750

✗ 2. ₹720

✗ 3. ₹780

✗ 4. ₹700

Question ID : **75189712644**
Option 1 ID : **75189750575**
Option 2 ID : **75189750574**
Option 3 ID : **75189750576**
Option 4 ID : **75189750573**
Status : **Answered**
Chosen Option : **1**

Q.23 Which of the following is a saturated hydrocarbon?

Ans ✗ 1. Acetylene

✔ 2. Ethane

✗ 3. Benzene

✗ 4. Ethene

Question ID : **75189714657**
Option 1 ID : **75189758628**
Option 2 ID : **75189758625**
Option 3 ID : **75189758627**
Option 4 ID : **75189758626**
Status : **Answered**
Chosen Option : **2**

Q.24 Nilesh bought some quantity of barley for ₹5,000. Half of it is sold at a profit of 20%. If Nilesh wishes to make a profit of 15% on the whole, find the selling price (in ₹) of the remaining barley.

Ans ✗ 1. 3,000

✗ 2. 3,250

✗ 3. 2,500

✓ 4. 2,750

Question ID : **75189713312**
Option 1 ID : **75189753246**
Option 2 ID : **75189753247**
Option 3 ID : **75189753248**
Option 4 ID : **75189753245**
Status : **Answered**
Chosen Option : **4**

Q.25 Which two numbers from amongst the given options should be interchanged to make the given equation correct?

$87 \times 122 - 369 - 13 \div 2 = 701$

Ans ✗ 1. 369 and 2

✗ 2. 87 and 2

✓ 3. 122 and 13

✗ 4. 87 and 13

Question ID : **75189714126**
Option 1 ID : **75189756502**
Option 2 ID : **75189756503**
Option 3 ID : **75189756501**
Option 4 ID : **75189756504**
Status : **Answered**
Chosen Option : **3**

Q.26 In a row of people standing in a waiting area, facing North, Hari stands seventh from the left end of the row and there are three people between him and the person standing at the exact centre of the row. How many people are standing in the row?

Ans ✗ 1. 18

✗ 2. 20

✓ 3. 21

✗ 4. 15

Question ID : **75189714720**
Option 1 ID : **75189758879**
Option 2 ID : **75189758877**
Option 3 ID : **75189758878**
Option 4 ID : **75189758880**
Status : **Answered**
Chosen Option : **3**

Q.27 Sexual reproduction in human beings involves the introduction of sperm in the vagina of the female. Where does fertilisation occur?

Ans
- ✗ 1. In the uterus
- ✗ 2. In the cervix
- ✗ 3. In the vagina
- ✓ 4. In the fallopian tube

Question ID : **75189714841**
Option 1 ID : **75189759362**
Option 2 ID : **75189759364**
Option 3 ID : **75189759361**
Option 4 ID : **75189759363**
Status : **Answered**
Chosen Option : **4**

Q.28 The physical quantity having a unit of volt/ampere is _____.

Ans
- ✗ 1. work
- ✗ 2. charge
- ✗ 3. current
- ✓ 4. resistance

Question ID : **75189713785**
Option 1 ID : **75189755139**
Option 2 ID : **75189755138**
Option 3 ID : **75189755137**
Option 4 ID : **75189755140**
Status : **Answered**
Chosen Option : **4**

Q.29 Which of the following is the only permanent unit in the Panchayati Raj System?

Ans
- ✗ 1. Nagar Panchayat
- ✗ 2. Panchayat Samiti
- ✗ 3. Zila Parishad
- ✓ 4. Gram Sabha

Question ID : **75189714026**
Option 1 ID : **75189756104**
Option 2 ID : **75189756101**
Option 3 ID : **75189756103**
Option 4 ID : **75189756102**
Status : **Answered**
Chosen Option : **3**

Q.30 Which mineral ore's deposits are formed by the decomposition of a wide variety of rocks rich in aluminium silicates?

Ans

✗ 1. Alumina

✗ 2. Manganese

✔ 3. Bauxite

✗ 4. Iron

Question ID : **75189712403**
Option 1 ID : **75189749609**
Option 2 ID : **75189749612**
Option 3 ID : **75189749610**
Option 4 ID : **75189749611**
Status : **Answered**
Chosen Option : **1**

Q.31 The following bar graph shows the number of coolers sold by shopkeepers A and B in different years. Study the graph and answer the question that follows.

No. of coolers sold by two shopkeepers
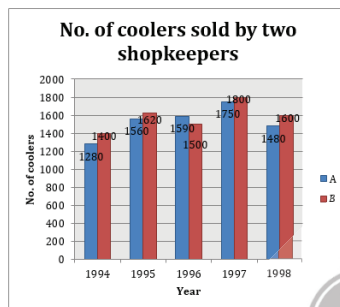
The total number of coolers sold by shopkeeper B in 1995 and 1998 together is approximately what percentage more/less than the total number of coolers sold by the shopkeeper A in 1996 and 1997 together?

Ans

✗ 1. 4% more

✔ 2. 4% less

✗ 3. 6% less

✗ 4. 6% more

Question ID : **75189713731**
Option 1 ID : **75189754922**
Option 2 ID : **75189754921**
Option 3 ID : **75189754923**
Option 4 ID : **75189754924**
Status : **Answered**
Chosen Option : **1**

Q.32 A tank is attached with 30 pipes, some of these are filling pipes and the rest are emptying pipes. Each filling pipe can fill the tank completely in 24 hours and each emptying pipe can empty the tank completely in 18 hours. When all the pipes are opened together, it takes $1\frac{1}{2}$ hours to fill the tank completely. How many of the given pipes are emptying pipes?

Ans
- ✗ 1. 9
- ✗ 2. 8
- ✗ 3. 12
- ✓ 4. 6

Question ID : **75189712638**
Option 1 ID : **75189750551**
Option 2 ID : **75189750550**
Option 3 ID : **75189750552**
Option 4 ID : **75189750549**
Status : **Answered**
Chosen Option : **4**

Q.33 In a certain code language, 'TRAMP' is written as 'VOCJR' and 'BLANK' is written as 'DICKM'. How will 'AMPLE' be written in that language?

Ans
- ✗ 1. DJSIH
- ✓ 2. CJRIG
- ✗ 3. BOSPJ
- ✗ 4. CIRHG

Question ID : **75189714481**
Option 1 ID : **75189757922**
Option 2 ID : **75189757923**
Option 3 ID : **75189757924**
Option 4 ID : **75189757921**
Status : **Answered**
Chosen Option : **2**

Q.34 In the word 'BACKGROUND', if each vowel is changed to the letter immediately following it and each consonant is changed to the letter immediately following it in the English alphabetical order, then how many vowels will be there in the group of letters thus formed?

Ans
- ✓ 1. Two
- ✗ 2. None
- ✗ 3. Three
- ✗ 4. One

Question ID : **75189713568**
Option 1 ID : **75189754270**
Option 2 ID : **75189754272**
Option 3 ID : **75189754271**
Option 4 ID : **75189754269**
Status : **Answered**
Chosen Option : **1**

Q.35 If a solid sphere of radius 10 cm is melted into 8 spherical solid balls of equal radius, then what will be the surface area of each such ball? [Use $\pi = \frac{22}{7}$]

Ans

✗ 1. $319\frac{1}{7}$ cm^2

✔ 2. $314\frac{2}{7}$ cm^2

✗ 3. $335\frac{5}{7}$ cm^2

✗ 4. $324\frac{3}{7}$ cm^2

Question ID : **75189712862**
Option 1 ID : **75189751446**
Option 2 ID : **75189751445**
Option 3 ID : **75189751448**
Option 4 ID : **75189751447**
Status : **Answered**
Chosen Option : **2**

Q.36 In the given letter-cluster pairs, the first letter-cluster is related to the second letter-cluster following a certain logic. Study the given pairs carefully, and from the given options, select the pair that follows the same logic.

RTO : OQL
KMD : HJA

Ans

✗ 1. ABC : XWZ

✗ 2. LOP : IUY

✗ 3. JHG : FDS

✔ 4. UBF : RYC

Question ID : **75189711597**
Option 1 ID : **75189746385**
Option 2 ID : **75189746388**
Option 3 ID : **75189746386**
Option 4 ID : **75189746387**
Status : **Answered**
Chosen Option : **4**

Q.37 Which of the following statement is INCORRECT for reduction?

Ans

✗ 1. Gain of electrons

✗ 2. Addition of Hydrogen

✗ 3. Removal of oxygen

✔ 4. Loss of electrons

Question ID : **75189714982**
Option 1 ID : **75189759926**
Option 2 ID : **75189759927**
Option 3 ID : **75189759928**
Option 4 ID : **75189759925**
Status : **Answered**
Chosen Option : **4**

Q.38 The compound interest on ₹30,000 in 2 years at 7% rate of interest per annum compounded annually is:

Ans ✔ 1. ₹4,347

✘ 2. ₹2,347

✘ 3. ₹3,347

✘ 4. ₹3,777

Question ID : **75189713423**
Option 1 ID : **75189753690**
Option 2 ID : **75189753691**
Option 3 ID : **75189753689**
Option 4 ID : **75189753692**
Status : **Answered**
Chosen Option : **1**

Q.39 In an electric circuit, four equal resistors were in series, connected to a cell. These are now disconnected and connected back in parallel across the same cell. The ratio of current in the series circuit to the current in each resistor in the parallel circuit will be _____.

Ans ✘ 1. 4 : 1

✔ 2. 1 : 4

✘ 3. 16 : 1

✘ 4. 1 : 16

Question ID : **75189714105**
Option 1 ID : **75189756419**
Option 2 ID : **75189756418**
Option 3 ID : **75189756420**
Option 4 ID : **75189756417**
Status : **Answered**
Chosen Option : **4**

Q.40 The centre of curvature of a concave mirror lies _____.

Ans ✘ 1. below the mirror

✘ 2. behind the mirror

✘ 3. above the mirror

✔ 4. in front of the mirror

Question ID : **75189713742**
Option 1 ID : **75189754968**
Option 2 ID : **75189754966**
Option 3 ID : **75189754967**
Option 4 ID : **75189754965**
Status : **Answered**
Chosen Option : **4**

Q.41 If '+' means '×', '−' means '÷', '×' means '−', and '÷' means '+', what will come in place of the question mark (?) in the following equation?

$4 \times 5 + 3 \div 16 - 1 = ?$

Ans

✗ 1. 10

✔ 2. 5

✗ 3. 12

✗ 4. 8

Question ID : **75189713073**
Option 1 ID : **75189752289**
Option 2 ID : **75189752292**
Option 3 ID : **75189752290**
Option 4 ID : **75189752291**
Status : **Answered**
Chosen Option : **2**

Q.42 If a coin is placed at the bottom of a tumbler of height 30 cm filled with water of refractive index 1.33, then the apparent depth of the coin appears to be:

Ans

✗ 1. 25.7 cm

✔ 2. 22.6 cm

✗ 3. 39.9 cm

✗ 4. 36.7 cm

Question ID : **75189711311**
Option 1 ID : **75189745243**
Option 2 ID : **75189745242**
Option 3 ID : **75189745241**
Option 4 ID : **75189745244**
Status : **Answered**
Chosen Option : **2**

Q.43 A tradesman allows a discount of 15% on the marked price. How much above the cost price must he mark his goods to gain 19% through the above transaction?

Ans

✗ 1. 50%

✔ 2. 40%

✗ 3. 25%

✗ 4. 30%

Question ID : **75189712964**
Option 1 ID : **75189751855**
Option 2 ID : **75189751854**
Option 3 ID : **75189751856**
Option 4 ID : **75189751853**
Status : **Answered**
Chosen Option : **2**

Q.44 The population of a town increased by 12% in the first year and by 16% in the second year. What is the percentage increase in the population at the end of the second year with respect to the population at the beginning of the given 2- year period?

Ans ✗ 1. 29.6%

✔ 2. 29.92%

✗ 3. 19.92%

✗ 4. 19.6%

Question ID : **75189712936**
Option 1 ID : **75189751744**
Option 2 ID : **75189751742**
Option 3 ID : **75189751741**
Option 4 ID : **75189751743**
Status : **Answered**
Chosen Option : **2**

Q.45 If each of the letters in the word 'LEUCOMA' is arranged in alphabetical order, how many letters are there in the English alphabetical order between the letters which is third from the left and the one which is second from the right?

Ans ✗ 1. Ten

✔ 2. Nine

✗ 3. Eight

✗ 4. Seven

Question ID : **75189713560**
Option 1 ID : **75189754238**
Option 2 ID : **75189754237**
Option 3 ID : **75189754239**
Option 4 ID : **75189754240**
Status : **Answered**
Chosen Option : **2**

Q.46 Which of the following metals is less reactive than silver?

Ans ✗ 1. Hg

✗ 2. Fe

✔ 3. Au

✗ 4. Cu

Question ID : **75189711910**
Option 1 ID : **75189747639**
Option 2 ID : **75189747637**
Option 3 ID : **75189747640**
Option 4 ID : **75189747638**
Status : **Answered**
Chosen Option : **3**

Q.47 Three statements are given followed by two conclusions numbered I and II. You have to take the statements to be true, even if they seem to be at variance with commonly known facts and decide which of the conclusions logically follow(s) from the statements.

Statements:
Some Bears are Teddies.
Some Rabbits are Teddies.
All Rabbits are Soft.

Conclusions:
(I) Some Rabbits are Bears.
(II) All Teddies are Soft.

Ans   ✗ 1. Only conclusion (I) follows.

✔ 2. Neither conclusion (I) nor (II) follows.

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

✗ 4. Only conclusion (II) follows.

Question ID : **75189714607**
Option 1 ID : **75189758425**
Option 2 ID : **75189758428**
Option 3 ID : **75189758427**
Option 4 ID : **75189758426**
Status : **Answered**
Chosen Option : **2**

Q.48 The position of how many letters will remain unchanged if each of the letters in the word FLAGSTONE is arranged in alphabetical order?

Ans   ✗ 1. 3

✔ 2. 2

✗ 3. 1

✗ 4. 4

Question ID : **7518974792**
Option 1 ID : **75189719165**
Option 2 ID : **75189719167**
Option 3 ID : **75189719166**
Option 4 ID : **75189719168**
Status : **Answered**
Chosen Option : **2**

Q.49 If the measures of the angles of a quadrilateral taken in order are in the ratio 1 : 3 : 1 : 3, then the quadrilateral is a:

Ans   ✔ 1. parallelogram

✗ 2. rectangle

✗ 3. square

✗ 4. trapezium, but not a parallelogram

Question ID : **75189712879**
Option 1 ID : **75189751515**
Option 2 ID : **75189751516**
Option 3 ID : **75189751513**
Option 4 ID : **75189751514**
Status : **Answered**
Chosen Option : **1**

Q.50 Study the given line graph and answer the following question.

The given line graph depicts the number of visitors in four parks – A, B, C and D.
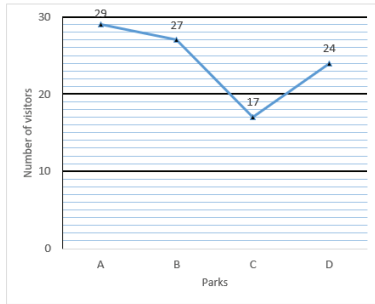
If out of the total number of visitors in parks A and C, 50% were females, what was the total number of male visitors in parks A and C?

Ans
✔ 1. 23

✘ 2. 18

✘ 3. 20

✘ 4. 21

Q.51 Select the combination of letters that when placed from left to right in the same sequence in the blanks of the given series will complete the series.

_ _LMT_ _PLMT_KPL_ _ _KPLMT_

Ans
✔ 1. KPTKTMTTT

✘ 2. LPTKTMTTT

✘ 3. KLTKTMTTT

✘ 4. KPTKTMTTM

Q.52 The homologue of ethanol is _____.

Ans
  ✗ 1. propanal

  ✓ 2. methanol

  ✗ 3. ethanal

  ✗ 4. ethane

Question ID : **75189714663**
Option 1 ID : **75189758651**
Option 2 ID : **75189758649**
Option 3 ID : **75189758650**
Option 4 ID : **75189758652**
Status : **Answered**
Chosen Option : **1**

Q.53 Services e-Health Assistance and Teleconsultation (SeHAT) is a teleconsultation service launched by which of the following ministries?

Ans
  ✗ 1. Ministry of AYUSH

  ✓ 2. Ministry of Defence

  ✗ 3. Ministry of Home Affairs

  ✗ 4. Ministry of Women and Child Development

Question ID : **75189713980**
Option 1 ID : **75189755920**
Option 2 ID : **75189755918**
Option 3 ID : **75189755917**
Option 4 ID : **75189755919**
Status : **Answered**
Chosen Option : **1**

Q.54 Who started the Mahila Seva Mandal to promote women's rights in 1852?

Ans
  ✓ 1. Savitribai Phule

  ✗ 2. Ramabai Ranade

  ✗ 3. Annie Besant

  ✗ 4. Sarojini Naidu

Question ID : **75189714038**
Option 1 ID : **75189756152**
Option 2 ID : **75189756149**
Option 3 ID : **75189756150**
Option 4 ID : **75189756151**
Status : **Answered**
Chosen Option : **2**

Q.55 In a certain code language, 'PEN' is written as 'KVM' and 'CAN' is written as 'XZM'. How will 'GUN' be written in that code language?

Ans
✘ 1. TDM

✘ 2. TMF

✘ 3. FMT

✔ 4. TFM

Q.56 Which of the following chemicals are known to deplete the ozone layer in the atmosphere?

Ans
✘ 1. NO_2

✘ 2. SO_2

✘ 3. CO

✔ 4. CFCs

Q.57 A man spends 30% of his salary on groceries, and is left with ₹3,500. Find his total salary.

Ans
✘ 1. ₹11,000

✘ 2. ₹6,000

✔ 3. ₹5,000

✘ 4. ₹5,500

Q.58 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

7 : 42 :: 5 : 20 :: 11 : ?

Ans

✗ 1. 117

✗ 2. 90

✓ 3. 110

✗ 4. 132

Question ID : 75189713130
Option 1 ID : 75189752519
Option 2 ID : 75189752517
Option 3 ID : 75189752518
Option 4 ID : 75189752520
Status : **Answered**
Chosen Option : **3**

Q.59 If ' + ' means ' − ', ' − ' means ' × ', ' × ' means ' ÷ ', ' ÷ ' means ' + ', what will come in place of the question mark (?) in the following equation?

$25 \times 5 \div 7 − 10 \times 2 = ?$

Ans

✓ 1. 40

✗ 2. 41

✗ 3. 38

✗ 4. 39

Question ID : 75189711639
Option 1 ID : 75189746555
Option 2 ID : 75189746556
Option 3 ID : 75189746553
Option 4 ID : 75189746554
Status : **Answered**
Chosen Option : **1**

Q.60 A certain number of people are sitting in a straight line facing north. Only three people are sitting between D and I. There are only two people sitting between K and O. I is sitting to the immediate left of O. No one is sitting to the left of D. Only one person is sitting to the right of O. How many people are sitting in the row?

Ans

✗ 1. 6

✓ 2. 7

✗ 3. 8

✗ 4. 5

Question ID : 75189714184
Option 1 ID : 75189756736
Option 2 ID : 75189756733
Option 3 ID : 75189756735
Option 4 ID : 75189756734
Status : **Answered**
Chosen Option : **2**

Q.61 Three statements are given followed by two conclusions numbered I and II. You have to take the statements to be true, even if they seem to be at variance with commonly known facts and decide which of the conclusions logically follow(s) from the statements.

Statements:
Some Cakes are Ice-Creams.
Some Cakes are Butters.
All Cakes are Eggs.

Conclusions:
(I) Some Butters are Ice-creams.
(II) All Eggs are Ice-creams.

Ans ✗ 1. Both conclusions (I) and (II) follow.

✗ 2. Only conclusion (I) follows.

✔ 3. Neither conclusion (I) nor (II) follows.

✗ 4. Only conclusion (II) follows.

Q.62 An electric motor is a device used for converting electrical energy into _____ energy.

Ans ✔ 1. mechanical

✗ 2. Light

✗ 3. Heat

✗ 4. Magnetic

Q.63 In a triangle ABC, if AD is the angle bisector of $\angle BAC$, AE $\perp$ BC, $\angle B = 30°$ and $\angle C = 50°$, then $\angle DAE$ is:
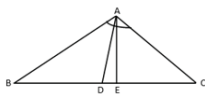
Ans ✔ 1. 10º

✗ 2. 20º

✗ 3. 30º

✗ 4. 40º

Q.64 A statement is given below, followed by four conclusions given in the options. Find out which conclusion is true based on the given statement.

Statement: $E \leq D < K = A > P > Z$

Ans
✗ 1. $P > D$

✗ 2. $Z = E$

✗ 3. $A \geq Z$

✔ 4. $A > E$

Q.65 Six teachers are sitting around a circular table facing the centre. Ruhi is sitting second to the left of Sophie. Gautam is sitting third to the right of Dinesh. Preeti is an immediate neighbour of both Sophie and Gautam. Mary is sitting to the immediate left of Ruhi. Who is an immediate neighbour of both Ruhi and Sophie?

Ans
✗ 1. Mary

✗ 2. Preeti

✗ 3. Gautam

✔ 4. Dinesh

Q.66 In Dobereiner's Triads, elements were written as:

Ans
✗ 1. Moving from left to right with increasing atomic masses

✔ 2. down the group with increasing atomic masses

✗ 3. down the group with decreasing atomic masses

✗ 4. Moving from left to right with decreasing atomic masses

Q.67 Where can you find the type of cells shown in the following figure?
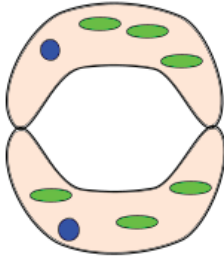
Ans ✔ 1. Leaves and shoots

✗ 2. Stems and roots

✗ 3. Roots and flowers

✗ 4. Flowers and leaves

Question ID : **75189712238**
Option 1 ID : **75189748949**
Option 2 ID : **75189748950**
Option 3 ID : **75189748951**
Option 4 ID : **75189748952**
Status : **Answered**
Chosen Option : **1**

Q.68 Nine years ago, P's age was twice the age of Q. If the ratio of their present ages is 5 : 4, what is the sum of their present ages?

Ans ✗ 1. 35 years

✗ 2. 40 years

✗ 3. 30 years

✔ 4. 27 years

Question ID : **75189712833**
Option 1 ID : **75189751331**
Option 2 ID : **75189751332**
Option 3 ID : **75189751330**
Option 4 ID : **75189751329**
Status : **Answered**
Chosen Option : **4**

Q.69 As of April 2022, how much FDI is permitted in railways under automatic route in construction, operation, and maintenance of Rail Infrastructure projects?

Ans ✗ 1. 49%

✗ 2. 74%

✔ 3. 100%

✗ 4. 80%

Question ID : **75189712465**
Option 1 ID : **75189749857**
Option 2 ID : **75189749858**
Option 3 ID : **75189749860**
Option 4 ID : **75189749859**
Status : **Not Answere**
Chosen Option : **--**

Q.70 A mixture of sodium bicarbonate and a mild edible acid is known as _____.

Ans
❌ 1. washing soda

❌ 2. bleaching powder

✅ 3. baking powder

❌ 4. baking soda

Question ID : **75189712801**
Option 1 ID : **75189751204**
Option 2 ID : **75189751203**
Option 3 ID : **75189751202**
Option 4 ID : **75189751201**
Status : **Answered**
Chosen Option : **3**

Q.71 The 'Hunar Haat' exhibition was organised in the Kota district of Rajasthan from 27 February to 7 March 2021 under the USTTAD scheme of the _____.

Ans
✅ 1. Ministry of Minority of Affairs

❌ 2. Ministry of Finance

❌ 3. Ministry of Home Affairs

❌ 4. Ministry of Skill Development and Entrepreneurship

Question ID : **75189715068**
Option 1 ID : **75189760272**
Option 2 ID : **75189760270**
Option 3 ID : **75189760269**
Option 4 ID : **75189760271**
Status : **Answered**
Chosen Option : **4**

Q.72 In the year 2020, the Oriental Bank of Commerce (OBC) and the United Bank of India were merged with which of the following banks?

Ans
❌ 1. Bank of India

❌ 2. Bank of Maharashtra

❌ 3. State Bank of India

✅ 4. Punjab National Bank

Question ID : **75189712482**
Option 1 ID : **75189749926**
Option 2 ID : **75189749925**
Option 3 ID : **75189749927**
Option 4 ID : **75189749928**
Status : **Answered**
Chosen Option : **1**

Q.73 A statement is given followed by four conclusions as options. Select which conclusion is true based on the given statement.

Statement: $Z > Q > L = J < R < P$

Ans
✔ 1. $J < Z$
✘ 2. $Q < P$
✘ 3. $R > Z$
✘ 4. $P < L$

Q.74 Which of the following is divisible by 17?

Ans
✔ 1. 1887
✘ 2. 2989
✘ 3. 991
✘ 4. 2022

Q.75 Identify the correct statement(s) with respect to the reflection of light by a spherical mirror from among the following.

(a) A convex mirror can only form real and inverted images.

(b) A concave mirror can form real, inverted and virtual, erect images.

(c) Images formed by convex mirrors are either diminished, same size or enlarged depending on the position of object.

(d) Images formed by concave mirrors are either diminished, same size or enlarged depending on the position of the object.

Ans
✘ 1. (a) and (c) are only correct
✘ 2. (a) and (d) are only correct
✔ 3. (b) and (d) are only correct
✘ 4. (b) and (c) are only correct

Q.76 A water tank can be filled in 9 minutes by using 15 pipes of the same capacity. In how many minutes will the water tank be filled if we use 20 pipes of the same capacity as above?

Ans

✗ 1. 10

✔ 2. 6.75

✗ 3. 13

✗ 4. 18

Q.77 In which year was Tamil declared a classical language by the Government of India?

Ans

✗ 1. 2010

✔ 2. 2004

✗ 3. 2005

✗ 4. 2014

Q.78 Find x and y in the equivalent fraction given below.

$$\frac{x}{9} = \frac{105}{63} = \frac{5}{y}$$

Ans

✔ 1. $x = 15, y = 3$

✗ 2. $x = 15, y = 9$

✗ 3. $x = 3, y = 5$

✗ 4. $x = 12, y = 3$

Q.79

The value of $\sqrt{\frac{4-5\cos^2\theta}{\sin^2\theta} + \cot^2\theta}$ is:

Ans
  ✗ 1.   1
  ✔ 2.   2
  ✗ 3.   4
  ✗ 4.   3

Q.80   Which of the following statements regarding blood pressure is FALSE?

Ans
  ✔ 1.   The pressure is much greater in veins than in arteries.

  ✗ 2.
The pressure during ventricular contraction is called systolic pressure and during ventricular relaxation is called diastolic pressure.

  ✗ 3.
The normal systolic pressure is about 120 mm of Hg and diastolic pressure is 80 mm of Hg.

  ✗ 4.   The pressure is measured using a sphygmomanometer.

Q.81   If $x = \frac{\sqrt{1125} \times \sqrt{405}}{\sqrt{729}}$, then the value of $\sqrt{x}$ is:

Ans
  ✗ 1.   9
  ✗ 2.   25
  ✔ 3.   5
  ✗ 4.   3

Q.82 In macroeconomic analysis, marginal propensity to save (MPS) is _____.

Ans ✔ 1.

the change in savings per unit change in income of an individual

✘ 2. the savings per unit of a good

✘ 3. the savings per unit change in the price of a good

✘ 4. the savings per unit of income of an individual

Question ID : **75189712382**
Option 1 ID : **75189749525**
Option 2 ID : **75189749528**
Option 3 ID : **75189749527**
Option 4 ID : **75189749526**
Status : **Not Answered**
Chosen Option : **--**

Q.83 A cyclist covered a distance of 900 km in 25 hours. What is the speed of the cyclist (in m/s)?

Ans ✔ 1. 10

✘ 2. 11

✘ 3. 8

✘ 4. 9

Question ID : **75189712975**
Option 1 ID : **75189751900**
Option 2 ID : **75189751899**
Option 3 ID : **75189751897**
Option 4 ID : **75189751898**
Status : **Answered**
Chosen Option : **1**

Q.84 If the difference between two numbers is 4 and their product is 32, then the absolute difference between their cubes is:

Ans ✘ 1. 444

✘ 2. 484

✘ 3. 844

✔ 4. 448

Question ID : **75189713356**
Option 1 ID : **75189753424**
Option 2 ID : **75189753421**
Option 3 ID : **75189753422**
Option 4 ID : **75189753423**
Status : **Answered**
Chosen Option : **4**

Q.85 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(1, 6, 4)
(3, 15, 9)

Ans ✔ 1. (9, 25, 7)

✗ 2. (3, 18, 8)

✗ 3. (2, 16, 8)

✗ 4. (10, 33, 11)

Q.86 Which two elements were put in the same slot by Newland?

Ans ✔ 1. Co and Ni

✗ 2. Ca and Cu

✗ 3. As and Se

✗ 4. Na and Al

Q.87 Express $0.2\overline{7}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

Ans ✗ 1. $\frac{2}{9}$

✔ 2. $\frac{5}{18}$

✗ 3. $\frac{1}{6}$

✗ 4. $\frac{1}{3}$

Q.88 Shalika walked 15 km towards south from her house, then she turned towards east and covered a distance of 10 km. She then turned north and covered a distance of 25 km. Finally turning west, she covered a distance of 15 km. In which direction is she from her house now?

(All turns are 90° turns only)

Ans ✗ 1. South-east

✗ 2. North-east

✔ 3. North-west

✗ 4. South-west

Question ID : **75189713113**
Option 1 ID : **75189752451**
Option 2 ID : **75189752450**
Option 3 ID : **75189752452**
Option 4 ID : **75189752449**
Status : **Answered**
Chosen Option : **3**

Q.89 The product of the LCM and the HCF of 18 and 25 is:

Ans ✗ 1. 465

✔ 2. 450

✗ 3. 270

✗ 4. 360

Question ID : **75189712931**
Option 1 ID : **75189751724**
Option 2 ID : **75189751723**
Option 3 ID : **75189751721**
Option 4 ID : **75189751722**
Status : **Answered**
Chosen Option : **2**

Q.90 If the radius and the height of a cylinder are 7 cm and 15 cm, respectively, then find the volume of the cylinder.

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

Ans ✗ 1. 2125 cm^3

✗ 2. 2520 cm^3

✔ 3. 2310 cm^3

✗ 4. 2451 cm^3

Question ID : **75189712863**
Option 1 ID : **75189751449**
Option 2 ID : **75189751452**
Option 3 ID : **75189751450**
Option 4 ID : **75189751451**
Status : **Answered**
Chosen Option : **3**

Q.91 A certain number of people are sitting in a row, facing north. B is sitting third to the right of C. No one is sitting to the left of C. Only four people are sitting between A and B. Only two people are seated to the right of D. Only four people are sitting between A and D. If no other person is sitting in the row, what is the total number of persons seated between C and D?

Ans
✔ 1. 12

✘ 2. 13

✘ 3. 15

✘ 4. 17

Question ID : **75189713495**
Option 1 ID : **75189753979**
Option 2 ID : **75189753978**
Option 3 ID : **75189753977**
Option 4 ID : **75189753980**
Status : **Answered**
Chosen Option : **1**

Q.92 In June 2022, the 4th Edition of the Khelo India Youth Games was inaugurated in the state of _____.

Ans
✘ 1. Rajasthan

✔ 2. Haryana

✘ 3. Madhya Padesh

✘ 4. Gujarat

Question ID : **75189712556**
Option 1 ID : **75189750221**
Option 2 ID : **75189750223**
Option 3 ID : **75189750224**
Option 4 ID : **75189750222**
Status : **Answered**
Chosen Option : **2**

Q.93 The reaction in which two reactants participate and produce only one product is called:

Ans
✔ 1. combination reaction

✘ 2. double displacement reaction

✘ 3. dissociation reaction

✘ 4. displacement reaction

Question ID : **7518979615**
Option 1 ID : **75189738457**
Option 2 ID : **75189738460**
Option 3 ID : **75189738458**
Option 4 ID : **75189738459**
Status : **Answered**
Chosen Option : **1**

Q.94 To which of the following communities living in western Rajasthan on the border of the Thar desert has conservation of forest and wildlife been a religious tenet?

Ans

✗ 1. Vaishya community

✗ 2. Chhipa community

✔ 3. Bishnoi community

✗ 4. Bhil community

Question ID : **75189710307**
Option 1 ID : **75189741226**
Option 2 ID : **75189741228**
Option 3 ID : **75189741225**
Option 4 ID : **75189741227**
Status : **Answered**
Chosen Option : **3**

Q.95 If α an β are the roots of the *equation* $x^2 + 5x + 6 = 0$, then the value of $\alpha\beta - \left(\frac{1}{\alpha} + \frac{1}{\beta}\right)$ is:

Ans

✗ 1. $\dfrac{31}{6}$

✗ 2. $-\dfrac{31}{6}$

✗ 3. $-\dfrac{41}{6}$

✔ 4. $\dfrac{41}{6}$

Question ID : **75189712850**
Option 1 ID : **75189751398**
Option 2 ID : **75189751400**
Option 3 ID : **75189751399**
Option 4 ID : **75189751397**
Status : **Answered**
Chosen Option : **4**

Q.96 Which of the following festivals is associated with Jharkhand?

Ans

✗ 1. Losar

✗ 2. Saga Dawa

✗ 3. Chavang Kut

✔ 4. Tusu

Question ID : **75189713991**
Option 1 ID : **75189755964**
Option 2 ID : **75189755963**
Option 3 ID : **75189755961**
Option 4 ID : **75189755962**
Status : **Answered**
Chosen Option : **4**

Q.97 What is covered under 'Maternal Health'?

Ans ✗ 1. Care of all new mothers (after childbirth)

✗ 2. Care during pregnancy and childbirth

✗ 3. Care of pregnant woman

✓ 4. Care during prenatal, natal and post-natal period

Question ID : **75189712286**
Option 1 ID : **75189749142**
Option 2 ID : **75189749143**
Option 3 ID : **75189749141**
Option 4 ID : **75189749144**
Status : **Answered**
Chosen Option : **1**

Q.98 After formation of the Janata Party government at Centre, which of the following multinationals shut its India operations due to compliance issue with the Foreign Exchange Regulation Act that mandated foreign investors cannot own over 40% in Indian enterprises?

Ans ✓ 1. Coca-Cola

✗ 2. Unilever

✗ 3. Nestle

✗ 4. Colgate-Palmolive

Question ID : **75189712395**
Option 1 ID : **75189749577**
Option 2 ID : **75189749578**
Option 3 ID : **75189749580**
Option 4 ID : **75189749579**
Status : **Not Answered**
Chosen Option : **--**

Q.99 PV Sindhu won a bronze medal in May 2022 in which of the following badminton tournaments?

Ans ✓ 1. Badminton Asia Championships 2022

✗ 2. Australian National Badminton Championships 2022

✗ 3. Yonex Open 2022

✗ 4. European Badminton Championships 2022

Question ID : **75189712545**
Option 1 ID : **75189750178**
Option 2 ID : **75189750180**
Option 3 ID : **75189750179**
Option 4 ID : **75189750177**
Status : **Answered**
Chosen Option : **4**

Q.100 Taramati peak is located in:

Ans ✗ 1. Madya Pradesh

✗ 2. Rajasthan

✓ 3. Maharashtra

✗ 4. Haryana

Question ID : **75189710591**
Option 1 ID : **75189742363**
Option 2 ID : **75189742362**
Option 3 ID : **75189742361**
Option 4 ID : **75189742364**
Status : **Not Answered**
Chosen Option : **--**

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