RRB GROUP - D SHIFT – 1 (18-09-2022)

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Test Date	18/08/2022
Test Time	9:00 AM - 10:30 AM
Subject	Level 1

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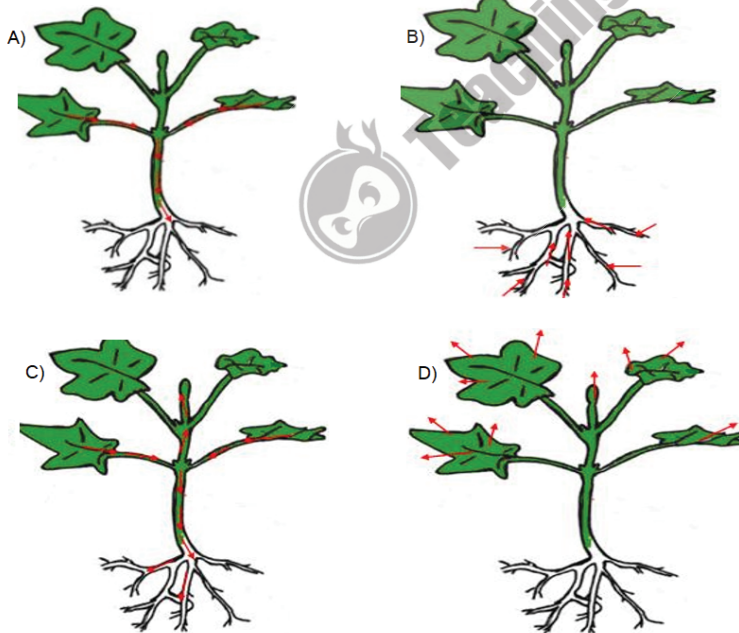**Correct Answer will carry 1 mark per Question.**
Incorrect Answer will carry 1/3 Negative mark per Question.

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 Which figure is the correct representation of the movement of food in phloem?

A)

B)

C)

D)

Ans ✗ 1. A

✗ 2. D

✗ 3. B

✔ 4. C

Question ID : **7518974548**
Option 1 ID : **75189718189**
Option 2 ID : **75189718192**
Option 3 ID : **75189718190**
Option 4 ID : **75189718191**
Status : **Answered**
Chosen Option : **3**

Q.2 In a certain code language, 'GLEPK' is written as 'DIBMH' and 'QRYHN' is written as 'NOVEK'. How will 'POTER' be written in that language?

Ans

✖ 1. LMQOB

✖ 2. MLPOB

✔ 3. MLQBO

✖ 4. LMPOB

Question ID : **7518974824**
Option 1 ID : **75189719294**
Option 2 ID : **75189719295**
Option 3 ID : **75189719296**
Option 4 ID : **75189719293**
Status : **Answered**
Chosen Option : **3**

Q.3 The value of $5^3 \times 5^4 \times 5^2 = ?$

Ans

✔ 1. 5^9

✖ 2. 5^5

✖ 3. 5^7

✖ 4. 5^6

Question ID : **7518975794**
Option 1 ID : **75189723174**
Option 2 ID : **75189723176**
Option 3 ID : **75189723175**
Option 4 ID : **75189723173**
Status : **Answered**
Chosen Option : **1**

Q.4 How many languages are there in the 8th Schedule of the Indian Constitution as on June 2022?

Ans

✖ 1. 15

✔ 2. 22

✖ 3. 19

✖ 4. 25

Question ID : **7518974188**
Option 1 ID : **75189716749**
Option 2 ID : **75189716751**
Option 3 ID : **75189716750**
Option 4 ID : **75189716752**
Status : **Answered**
Chosen Option : **2**

Q.5 A statement is given followed by two assumptions numbered I and II. You have to assume everything in the statement to be true and decide which of the given assumptions is/are implicit in the statement.

Statement:

Essay writing is an art. It requires an understanding of the subject as well as a command over the language to be able to write a good essay.

Assumptions:

I.   Essays cannot be written without complete mastery over the subject.

II. Anyone with a good command over the language can write a good essay.

Ans ✗ 1. Only assumption I is implicit

✔ 2. Neither assumption I nor II is implicit

✗ 3. Only assumption II is implicit

✗ 4. Both assumptions I and II are implicit

Question ID : **7518976410**
Option 1 ID : **75189725637**
Option 2 ID : **75189725639**
Option 3 ID : **75189725638**
Option 4 ID : **75189725640**
Status : **Answered**
Chosen Option : **3**

Q.6 1 horsepower equals:

Ans ✗ 1. 74.6 J/s

✗ 2. 746 J

✔ 3. 746 W

✗ 4. 746 kW

Question ID : **7518975496**
Option 1 ID : **75189721984**
Option 2 ID : **75189721981**
Option 3 ID : **75189721982**
Option 4 ID : **75189721983**
Status : **Answered**
Chosen Option : **3**

Q.7 If three numbers are in the ratio 5 : 6 : 8 and the sum of their squares is 1250, then the product of those numbers is:

Ans ✗ 1. 2400

✗ 2. 1200

✔ 3. $2400\sqrt{10}$

✗ 4. $1200\sqrt{10}$

Question ID : **7518975844**
Option 1 ID : **75189723373**
Option 2 ID : **75189723375**
Option 3 ID : **75189723374**
Option 4 ID : **75189723376**
Status : **Answered**
Chosen Option : **3**

Q.8 Identify the long jumper of India who won a silver medal at the U-20 World Athletics Championships in the year 2021.

Ans ✗ 1. Seema Punia

✓ 2. Shaili Singh

✗ 3. Mercy Kuttan

✗ 4. Nayana James

Question ID : **7518976458**
Option 1 ID : **75189725832**
Option 2 ID : **75189725830**
Option 3 ID : **75189725829**
Option 4 ID : **75189725831**
Status : **Not Answered**
Chosen Option : --

Q.9 In India, Mangrove Forests are majorly found in which of the following states?

Ans ✗ 1. Telangana

✗ 2. Nagaland

✗ 3. Maharashtra

✓ 4. West Bengal

Question ID : **7518974280**
Option 1 ID : **75189717118**
Option 2 ID : **75189717120**
Option 3 ID : **75189717117**
Option 4 ID : **75189717119**
Status : **Answered**
Chosen Option : **4**

Q.10 Three statements are followed by four conclusions numbered I, II, III and IV. You have to consider these statements to be true, even if they seem at variance from commonly known facts. Decide which of the given conclusions logically follow/s from the given statements.

Statements:

1. All couriers are shipments.

2. All shipments are transports.

3. No haul is transport.

Conclusions:

I.   No transport is shipment.

II.   All couriers are transports.

III.   Some transports are shipments.

IV.   No courier is haul.

Ans ✓ 1. Only conclusions II, III and IV follow.

✗ 2. Only conclusions I and IV follow.

✗ 3. All conclusions follow.

✗ 4. Only conclusions II and IV follow.

Question ID : **7518974748**
Option 1 ID : **75189718991**
Option 2 ID : **75189718990**
Option 3 ID : **75189718992**
Option 4 ID : **75189718989**
Status : **Answered**

Q.11 The value of $\sqrt{\frac{1-\cos\theta}{1+\cos\theta}}$ is:

Ans ✗ 1. $\sec\theta + \cot\theta$

✔ 2. $\csc\theta - \cot\theta$

✗ 3. $\csc\theta + \cot\theta$

✗ 4. $\sec\theta - \cot\theta$

Question ID : **7518975999**
Option 1 ID : **75189723996**
Option 2 ID : **75189723993**
Option 3 ID : **75189723994**
Option 4 ID : **75189723995**
Status : **Not Answered**
Chosen Option : **--**

Q.12 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.

11 : 130 : : 7 : 58 : : 15 : ?

Ans ✗ 1. 224

✔ 2. 234

✗ 3. 248

✗ 4. 216

Question ID : **7518975297**
Option 1 ID : **75189721186**
Option 2 ID : **75189721187**
Option 3 ID : **75189721188**
Option 4 ID : **75189721185**
Status : **Answered**
Chosen Option : **2**

Q.13 Three statements are followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts, and decide which of the given conclusions logically follow/s from the given statements.

Statements:

All donkeys are zebras.

Some bulls are cats.

Some donkeys are apes.

Conclusions:

(I) Some zebras are bulls.

(II) Some zebras are apes.

(III) Some donkeys are cats.

Ans ✗ 1. Only conclusion I follows

✔ 2. Only conclusion II follows

✗ 3. None of the conclusions follow

✗ 4. Only conclusion III follows

Question ID : **7518974928**
Option 1 ID : **75189719709**
Option 2 ID : **75189719710**
Option 3 ID : **75189719712**
Option 4 ID : **75189719711**
Status : **Answered**
Chosen Option : **2**

Q.14 My father is presently 25 years older than me. The sum of our ages 5 years ago was 39 years. Find my present age.

Ans ✗ 1. 20 years

✗ 2. 13 years

✔ 3. 12 years

✗ 4. 15 years

Question ID : **7518975718**
Option 1 ID : **75189722869**
Option 2 ID : **75189722871**
Option 3 ID : **75189722872**
Option 4 ID : **75189722870**
Status : **Answered**
Chosen Option : **3**

Q.15 Among six persons, P, Q, R, S, T and U, each one has a different weight. The weight of Q is more than only two other persons. The weight of P is more than U's weight. The weight of S is more than Q's weight. The weight of R is less than the weight of T. The weight of Q is more than the weight of T. U has the second highest weight among all the six persons. Who has the third highest weight among all six persons?

Ans ✔ 1. S

✗ 2. T

✗ 3. R

✗ 4. P

Question ID : **7518975209**
Option 1 ID : **75189720834**
Option 2 ID : **7518972083**
Option 3 ID : **75189720835**
Option 4 ID : **75189720833**

Q.16 A, B, C, D, E and F were six friends playing games around a circular table. They were standing facing the centre of the table. E was standing to the immediate left of A. C was second to the left of F. There were exactly two people between D and A. B was at the immediate right of A. Which friend was at the immediate right of F?

Ans ✔ 1. E

✘ 2. D

✘ 3. A

✘ 4. C

Q.17 30 people are standing in a queue facing north. Manoj is standing at the 11th position from the front. Shahin is standing at the 7th position from the back. Neeraj is standing exactly in front of Shahin. How many people are standing between Neeraj and Manoj?

Ans ✘ 1. 12

✘ 2. 13

✘ 3. 10

✔ 4. 11

Q.18 The HCF of any set of 10 co-prime numbers is always

Ans ✘ 1. 10

✘ 2. 0

✔ 3. 1

✘ 4. 2

Q.19 A statement is given, followed by four conclusions given in the options. Find out which conclusion is true based on the given statement.

Statement: $H = W > F \geq S \geq T > Y$

Ans
✔ 1. $Y < S$
✘ 2. $W < T$
✘ 3. $H < F$
✘ 4. $T \geq F$

Q.20 If $9 : 12 :: 12 : x$, and $28 : 42 :: 42 : y$, then the value of $2x + y$ is:

Ans
✘ 1. 69
✔ 2. 95
✘ 3. 84
✘ 4. 79

Q.21 Which of the following is NOT a possible isomer of hexane?

Ans
✘ 1. 2-methyl pentane
✘ 2. 3-methyl pentane
✘ 3. 2, 2 dimethyl butane
✔ 4. 2-ethyl pentane

Q.22
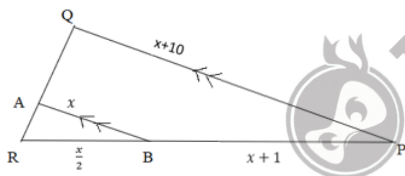
India launched a commemorative logo to mark her 30th anniversary of diplomatic ties with which of these countries?

Ans

✗ 1.　Canada

✔ 2.　Israel

✗ 3.　America

✗ 4.　Spain

Q.23 In the given figure, AB ∥ QP, AB = x, PQ= $x + 10$, RB = $\frac{x}{2}$, BP = $x + 1$. Find PQ

Ans

✗ 1.　4 units

✗ 2.　13 units

✔ 3.　18 units

✗ 4.　12 units

Q.24 The position of how many letters will remain unchanged if each of the letters in the word 'LAMENT' is arranged in alphabetical order?

Ans

✗ 1. One

✔ 2. Two

✗ 3. Three

✗ 4. None

Question ID : **7518975225**
Option 1 ID : **75189720898**
Option 2 ID : **75189720899**
Option 3 ID : **75189720900**
Option 4 ID : **75189720897**
Status : **Answered**
Chosen Option : **2**

Q.25 An object is placed at the principal focus of a concave lens. Which of the following options represents the characteristics of the image formed?

Ans

✗ 1. Real and diminished

✗ 2. Virtual and enlarged

✗ 3. Real and enlarged

✔ 4. Virtual and highly diminished

Question ID : **7518975407**
Option 1 ID : **75189721626**
Option 2 ID : **75189721627**
Option 3 ID : **75189721625**
Option 4 ID : **75189721628**
Status : **Answered**
Chosen Option : **2**

Q.26 Identify the correct chemical reaction involved in bleaching powder preparation

Ans

✗ 1. $NaCl + H_2O + CO_2 + NH_3 \rightarrow NH_4Cl + NaHCO_3$

✔ 2. $Ca(OH)_2 + Cl_2 \rightarrow CaOCl_2 + H_2O$

✗ 3. $NaHCO_3 + H^+ \rightarrow CO_2 + H_2O +$ Sodium salt of acid

✗ 4. $2\ NaCl\ (aq) + 2\ H_2O\ (l) \rightarrow 2\ NaOH\ (aq) + Cl_2\ (g) + H_2\ (g)$

Question ID : **7518973649**
Option 1 ID : **75189714594**
Option 2 ID : **75189714593**
Option 3 ID : **75189714595**
Option 4 ID : **75189714596**
Status : **Not Answered**
Chosen Option : **--**

Q.27 If the difference between two numbers is 52 and they are in the ratio 7 : 3, then find the greater of the two numbers.

Ans

✗ 1. 84

✗ 2. 65

✗ 3. 70

✓ 4. 91

Question ID : **7518975928**
Option 1 ID : **75189723711**
Option 2 ID : **75189723709**
Option 3 ID : **75189723710**
Option 4 ID : **75189723712**
Status : **Answered**
Chosen Option : **4**

Q.28 Anita is standing facing the north direction. Then, she turns 135° anticlockwise. After that, she turns 90° clockwise. In which direction is she facing now?

Ans

✓ 1. North-west

✗ 2. South-west

✗ 3. South-east

✗ 4. North-east

Question ID : **7518975255**
Option 1 ID : **75189721017**
Option 2 ID : **75189721018**
Option 3 ID : **75189721020**
Option 4 ID : **75189721019**
Status : **Answered**
Chosen Option : **1**

Q.29 The equivalent resistance between points A and B shown in the figure below:

Ans

✗ 1. 9 Ω

✗ 2. 4.5 Ω

✗ 3. 6 Ω

✓ 4. 2 Ω
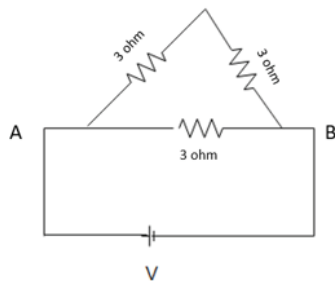
Question ID : **7518975474**
Option 1 ID : **75189721894**
Option 2 ID : **75189721895**
Option 3 ID : **75189721896**
Option 4 ID : **75189721893**
Status : **Answered**
Chosen Option : **4**

Q.30 In this question, a group of numbers/symbols is coded using letters as per the table given below and the conditions which follow. The correct combination of codes following the conditions is your answer.

Number/Symbol	5	6	8	3	%	#	7
Codes	U	S	C	K	D	T	A

Conditions:

(i) If the first element is an odd number and the last element is an even number, the codes for these two (the first and the last elements) are to be interchanged.

(ii) If the second element is a symbol and the fifth element is an even number, the codes for these two (the second and the fifth elements) are to be interchanged.

(iii) If the third element is a number and the fourth element is a symbol, both these elements (the third and the fourth elements) are to be coded as W.

Question: 5 # % 6 7 # 3 8

Ans ✗ 1. C A D S T T K U

✔ 2. C T D S A T K U

✗ 3. U T D S A T K C

✗ 4. C T W W A T K U

Q.31 Consider the below statements and identify the correct answer.

Statement I: Dobereiner gave the law of triads.

Statement II: Dobereiner tried to arrange the elements with different properties into groups, having three elements each.

Ans ✔ 1. Only Statement I is Correct.

✗ 2.
Both Statements are correct. Statement I is correct explanation of Statement II.

✗ 3.
Both statements are correct. Statement II is correct explanation of Statement I.

✗ 4. Only Statement II is correct.

Q.32 The position of how many letters will remain unchanged if each of the letters in the word 'DIRECT' is arranged in alphabetical order?

Ans ✗ 1. Three

✗ 2. Two

✓ 3. One

✗ 4. None

Question ID : **7518975223**
Option 1 ID : **75189720892**
Option 2 ID : **75189720891**
Option 3 ID : **75189720890**
Option 4 ID : **75189720889**
Status : **Answered**
Chosen Option : **3**

Q.33 Which Amendment of the Constitution of India envisages the Gram Sabha as the foundation of the Panchayat Raj System to perform functions and powers entrusted to it by the State Legislatures?

Ans ✗ 1. 54th

✓ 2. 73rd

✗ 3. 71st

✗ 4. 63rd

Question ID : **7518974108**
Option 1 ID : **75189716429**
Option 2 ID : **75189716432**
Option 3 ID : **75189716431**
Option 4 ID : **75189716430**
Status : **Answered**
Chosen Option : **2**

Q.34 Which of the following is NOT included in the financial budget of India?

Ans ✗ 1. Revenue deficit

✓ 2. Credit control

✗ 3. Fiscal deficit

✗ 4. Primary deficit

Question ID : **7518974239**
Option 1 ID : **75189716955**
Option 2 ID : **75189716956**
Option 3 ID : **75189716953**
Option 4 ID : **75189716954**
Status : **Not Answered**
Chosen Option : **--**

Q.35 Pankaj Advani bagged his 41st title by defeating whom, to lift his 8th title at the Asian 100 UP Billiards Championship 2022?

Ans
- ✗ 1. Sourav Kothari
- ✗ 2. Manan Chandra
- ✗ 3. Aditya Mehta
- ✓ 4. Dhruv Sitwala

Question ID : **7518973951**
Option 1 ID : **75189715803**
Option 2 ID : **75189715804**
Option 3 ID : **75189715801**
Option 4 ID : **75189715802**
Status : **Not Answered**
Chosen Option : **--**

Q.36 The table below shows the differences between the structure and function of plants and animals.

Which option shows the INCORRECT statement?

Sr. no.	Plants	Animals
a.	Do not move	Move in search of food, mate and shelter
b.	Most tissues are dead	Most tissues are living
c.	Need less energy	Need more energy
d.	Growth is limited to certain regions	Growth is limited to certain regions

Ans
- ✗ 1. c
- ✗ 2. a
- ✗ 3. b
- ✓ 4. d

Question ID : **7518974563**
Option 1 ID : **75189718251**
Option 2 ID : **75189718249**
Option 3 ID : **75189718250**
Option 4 ID : **75189718252**
Status : **Answered**
Chosen Option : **3**

Q.37 The area (in square units) of the quadrilateral ABCD, formed by the vertices A (0, −2), B (2, 1), C (0, 4), and D (−2, 1) is:

Ans
- ✓ 1. 12
- ✗ 2. 15
- ✗ 3. 14
- ✗ 4. 13

Question ID : **7518976360**
Option 1 ID : **75189725437**
Option 2 ID : **75189725440**
Option 3 ID : **75189725439**
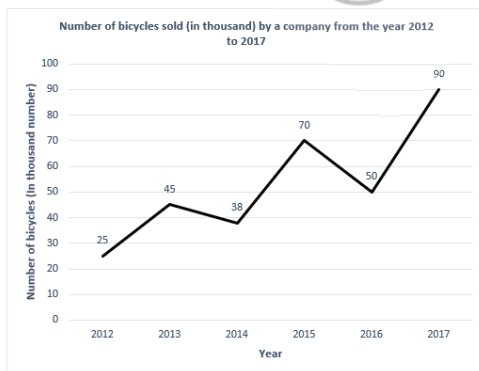Option 4 ID : **75189725438**
Status : **Not Answered**
Chosen Option : **--**

Q.38 Match the following:

A	B
i. red cabbage leaves	a. olfactory indicator
ii. methyl orange	b. acid base indictor
iii. Onion, clove	c. natural acid base indictor

Ans   ✗ 1. i-c, ii-a, iii-b

    ✗ 2. i-a, ii-c, iii-b

    ✗ 3. i-a, ii-b, iii-c

    ✔ 4. i-c, ii-b, iii-a

Q.39 Study the following line graph carefully and answer the given question.

Number of bicycles sold (in thousand) by a company from the year 2012 to 2017

The number of bicycles sold in 2013 is approximately what percent of the number of bicycles sold in 2017?

Ans   ✗ 1. 45%

    ✔ 2. 50%

    ✗ 3. 10%

    ✗ 4. 100%

Q.40 Which of the following places is a harnessing site for geothermal energy in India?

Ans ✗ 1. Bokaro

✓ 2. Manikaran

✗ 3. Tarapur

✗ 4. Kolkata

Question ID : **7518974268**
Option 1 ID : **75189717071**
Option 2 ID : **75189717069**
Option 3 ID : **75189717070**
Option 4 ID : **75189717072**
Status : **Answered**
Chosen Option : **1**

Q.41 An AC generator works on the principle of:

Ans ✗ 1. electromagnetism

✗ 2. force on a current carrying conductor

✗ 3. heating effect of electric current

✓ 4. electromagnetic induction

Question ID : **7518975532**
Option 1 ID : **75189722128**
Option 2 ID : **75189722126**
Option 3 ID : **75189722127**
Option 4 ID : **75189722125**
Status : **Not Answered**
Chosen Option : **--**

Q.42 Eight friends Kriti, Durga, Manasi, Surya, Tahira, Vritti, Ahana and Yoshita are sitting around an square table in such a way that four friends are sitting on the corners of the table while the other four are sitting at the exact centre of sides of the table. All are facing the centre of the table. Surya is sitting at the third place to right of Durga. Only Tahira is between Kriti and Durga. Manasi is second to left of Durga. Only Vritti is sitting between Surya and Yoshita. Yoshita is second to left of Ahana. Vritti is second to left of Manasi. Who is sitting third to left of Tahira?

Ans ✓ 1. Manasi

✗ 2. Ahana

✗ 3. Yoshita

✗ 4. Surya

Question ID : **7518975137**
Option 1 ID : **75189720546**
Option 2 ID : **75189720545**
Option 3 ID : **75189720548**
Option 4 ID : **75189720547**
Status : **Answered**
Chosen Option : **1**

Q.43 Two boxes have chocolates in the ratio 7 : 5. If the difference in the number of chocolates is 28, find the number of chocolates in the box with larger numbers.

Ans

✗ 1. 84

✗ 2. 77

✗ 3. 91

✔ 4. 98

Question ID : 7518975702
Option 1 ID : 75189722807
Option 2 ID : 75189722808
Option 3 ID : 75189722806
Option 4 ID : 75189722805
Status : **Answered**
Chosen Option : **4**

Q.44 Six girls decided to record a video of their talks, one on each separate day of the same week. Sunday will be a rest day. P said Friday will suit her. U will start the process and record on Monday. S will record immediately before T. Q will record on a day exactly between the days of U and S. T selected Thursday. Which day is left for R to record the video?

Ans

✗ 1. Monday

✔ 2. Saturday

✗ 3. Wednesday

✗ 4. Thursday

Question ID : 7518974724
Option 1 ID : 75189718893
Option 2 ID : 75189718896
Option 3 ID : 75189718894
Option 4 ID : 75189718895
Status : **Answered**
Chosen Option : **2**

Q.45 Which of the following numbers will replace the question mark (?) in the given series?

5, 13, 23, 49, ? , 193

Ans

✗ 1. 120

✔ 2. 95

✗ 3. 105

✗ 4. 82

Question ID : 7518974859
Option 1 ID : 75189719436
Option 2 ID : 75189719434
Option 3 ID : 75189719435
Option 4 ID : 75189719433
Status : **Answered**
Chosen Option : **2**

Q.46 Which of the following numbers will replace the question mark (?) in the given series?

0, 2, 6, 12, 20, ?

Ans   ✗ 1. 34

     ✗ 2. 35

     ✗ 3. 28

     ✔ 4. 30

Q.47 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into 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, 8, 3)

(2, 21, 5)

Ans   ✔ 1. $(4, 33, 7)$

     ✗ 2. $(5, 112, 11)$

     ✗ 3. $(2, 26, 3)$

     ✗ 4. $(7, 128, 10)$

Q.48 Find the area of a triangle whose sides are 12 m, 14 m and 16 m.

Ans   ✗ 1. $7\sqrt{15}\, m^2$

     ✔ 2. $21\sqrt{15}\, m^2$

     ✗ 3. $\sqrt{15}\, m^2$

     ✗ 4. $2\sqrt{15}\, m^2$

Q.49 According to the Economic Survey 2021-22, what is the rank of India (Globally) in average annual net gain in forest area?

Ans

✔ 1. 3rd

✘ 2. 2nd

✘ 3. 4th

✘ 4. 1st

Q.50 The original Constitution of 1950 envisaged a Supreme Court with a Chief Justice and _____ puisne Judges - leaving it to Parliament to increase this number.

Ans

✔ 1. 7

✘ 2. 11

✘ 3. 14

✘ 4. 17

Q.51 Given below are three statements and three conclusions. Take the statements to be true even if they are at variance with commonly known facts, and decide whether the conclusion/s follow/s the given statements.

Statements:

I. All grasses are shrubs.

II. All roots are fruits.

III. All fruits are flowers.

Conclusions:

I. All grasses are flowers.

II. All roots are flowers.

III. Some flowers are fruits.

Ans

✗ 1. Only conclusion III follows

✗ 2. Only conclusion I follows

✗ 3. All the conclusions follow

✔ 4. Conclusions II and III follow

Q.52 According to the 'World Economic Outlook-April 2022' report, raised India's GDP growth estimate to 9% for 2022-23 and for 2023-24 it forecast the economy to grow by 7.1%. Who released this report?

Ans

✗ 1. World Bank

✗ 2. Ministry of Finance of India

✔ 3. International Monetary Fund (IMF)

✗ 4. Reserve Bank of India

Q.53 A wire of a given material has length 'l' and resistance 'R'. Another wire of the same material having three times the length and twice the area of cross section will have a resistance equal to:

Ans

✗ 1. $3R$

✗ 2. $\dfrac{2}{3}R$

✔ 3. $\dfrac{3}{2}R$

✗ 4. $\dfrac{1}{2}R$

Question ID : **7518975470**
Option 1 ID : **75189721880**
Option 2 ID : **75189721878**
Option 3 ID : **75189721877**
Option 4 ID : **75189721879**
Status : **Answered**
Chosen Option : **3**

Q.54 Which of the following uses spores to reproduce?

Ans

✔ 1. Ferns

✗ 2. Yeast

✗ 3. Amoeba

✗ 4. Mango

Question ID : **7518974453**
Option 1 ID : **75189717812**
Option 2 ID : **75189717810**
Option 3 ID : **75189717809**
Option 4 ID : **75189717811**
Status : **Not Answered**
Chosen Option : **--**

Q.55 Which social reformer founded the 'Brahmo Samaj' in 1828 and became famous for his pioneering role in advocating education and opposing practices like Sati, child marriage and social division?

Ans

✗ 1. Ishwarchandra Vidyasagar

✔ 2. Raja Ram Mohan Roy

✗ 3. Swami Vivekananda

✗ 4. Swami Dayanand Saraswati

Question ID : **7518973996**
Option 1 ID : **75189715983**
Option 2 ID : **75189715982**
Option 3 ID : **75189715984**
Option 4 ID : **75189715981**
Status : **Answered**
Chosen Option : **2**

Q.56

In March 2022, which state has become the first to start 'Air Health Service' in rural areas?

Ans

✔ 1. Odisha

✘ 2. Gujarat

✘ 3. Tamil Nadu

✘ 4. Bihar

Question ID : **7518973776**
Option 1 ID : **75189715103**
Option 2 ID : **75189715102**
Option 3 ID : **75189715101**
Option 4 ID : **75189715104**
Status : **Not Answered**
Chosen Option : **--**

Q.57 A motor car starts with a speed of 60 km/h and increases its speed after every two hours by 15 km/h. In how much time will it cover a distance of 360 km?

Ans

✘ 1. 2 hours

✘ 2. 7 hours

✔ 3. 5 hours

✘ 4. 9 hours

Question ID : **7518976089**
Option 1 ID : **75189724353**
Option 2 ID : **75189724355**
Option 3 ID : **75189724354**
Option 4 ID : **75189724356**
Status : **Answered**
Chosen Option : **3**

Q.58 Which of the following properties do covalent compounds generally NOT exhibit?

Ans

✘ 1. They are bad conductors of electricity and heat.

✘ 2. They form by sharing of electrons.

✘ 3. They do not form ions generally.

✔ 4. They are not soluble in an organic solvent.

Question ID : **7518973388**
Option 1 ID : **75189713550**
Option 2 ID : **75189713551**
Option 3 ID : **75189713552**
Option 4 ID : **75189713549**
Status : **Not Answered**
Chosen Option : **--**

Q.59 If a and b are the roots of $x^2 + x - 2 = 0$, then the quadratic equation in x whose roots are $\frac{1}{a} + \frac{1}{b}$ and ab is:

Ans

✔ 1. $2x^2 + 3x - 2 = 0$

✘ 2. $2x^2 + 5x - 2 = 0$

✘ 3. $2x^2 - 5x + 2 = 0$

✘ 4. $2x^2 - 3x + 2 = 0$

Question ID : **7518976353**
Option 1 ID : **75189725412**
Option 2 ID : **75189725410**
Option 3 ID : **75189725411**
Option 4 ID : **75189725409**
Status : **Not Answered**
Chosen Option : **--**

Q.60 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.

BEING : YVRMT : : PRIDE : KIRWV : : CLEAN : ?

Ans

✔ 1. XOVZM

✘ 2. XOWZM

✘ 3. GOVZP

✘ 4. XPVRM

Question ID : **7518975273**
Option 1 ID : **75189721091**
Option 2 ID : **75189721092**
Option 3 ID : **75189721090**
Option 4 ID : **75189721089**
Status : **Answered**
Chosen Option : **1**

Q.61 A boy focusses a sharp image of a distant object on a screen using a lens. The distance between the lens and screen is approximately equal to:

Ans

✘ 1. f/2

✔ 2. f

✘ 3. 2f

✘ 4. f/3

Question ID : **7518975372**
Option 1 ID : **75189721486**
Option 2 ID : **75189721485**
Option 3 ID : **75189721488**
Option 4 ID : **75189721487**
Status : **Not Answered**
Chosen Option : **--**

Q.62 If two parallel lines are intersected by a transversal, then which of the options below is not necessarily correct?

Ans ✔ 1.

A pair of interior angles on the same side of the transversal have the same measure.

✘ 2. A pair of corresponding angles have the same measure.

✘ 3. A pair of alternate interior angles have the same measure.

✘ 4. A pair of vertically opposite angles have the same measure.

Question ID : 7518975980
Option 1 ID : 75189723918
Option 2 ID : 75189723919
Option 3 ID : 75189723917
Option 4 ID : 75189723920
Status : **Answered**
Chosen Option : **3**

Q.63 How many times are the hour and the minute hands of a clock at a right angle in a period of two days?

Ans ✘ 1. 92

✘ 2. 48

✘ 3. 77

✔ 4. 88

Question ID : 7518976433
Option 1 ID : 75189725731
Option 2 ID : 75189725732
Option 3 ID : 75189725729
Option 4 ID : 75189725730
Status : **Answered**
Chosen Option : **2**

Q.64 In January 2022, Paytm Money launched India's first intelligent messenger called _____.

Ans ✘ 1. PayU

✔ 2. Pops

✘ 3. Pay Money

✘ 4. Cops

Question ID : 7518973863
Option 1 ID : 75189715452
Option 2 ID : 75189715450
Option 3 ID : 75189715451
Option 4 ID : 75189715449
Status : **Not Answered**
Chosen Option : --

Q.65

Which of the following is worshipped by people during the festival of Pongal?

Ans

✗ 1. Maa Durga

✗ 2. The Moon

✗ 3. God Shiva

✔ 4. The Sun

Question ID : **7518973809**
Option 1 ID : **75189715236**
Option 2 ID : **75189715234**
Option 3 ID : **75189715235**
Option 4 ID : **75189715233**
Status : **Not Answered**
Chosen Option : **--**

Q.66 A television costs ₹35,000 less than a printer. If the cost of the printer is twice the cost of the television, then the cost of the television is:

Ans

✔ 1. ₹35,000

✗ 2. ₹53,000

✗ 3. ₹15,700

✗ 4. ₹17,500

Question ID : **7518975921**
Option 1 ID : **75189723681**
Option 2 ID : **75189723682**
Option 3 ID : **75189723684**
Option 4 ID : **75189723683**
Status : **Answered**
Chosen Option : **1**

Q.67 Which of the following should be done to conserve coal and petroleum?

Ans ✗ 1. Solar cookers should be avoided at all costs.

✗ 2.
Avoid substituting CFL bulbs for standard incandescent bulbs.

✗ 3. Avoid using public transportation or joining a carpool.

✔ 4. Do not overuse air conditioning or heating systems.

Question ID : **7518974491**
Option 1 ID : **75189717963**
Option 2 ID : **75189717964**
Option 3 ID : **75189717961**
Option 4 ID : **75189717962**
Status : **Answered**
Chosen Option : **4**

Q.68 The value of $0.0486 \div 0.002 =$

Ans ✗ 1. 21.5

✓ 2. 24.3

✗ 3. 13.8

✗ 4. 18.7

Q.69 A truck travels at a speed of 60 km/h from city P to city Q and returns to city P by the same route at a speed of 100 km/h. What is the average speed of the truck for the given journey?

Ans ✗ 1. 80 km/h

✗ 2. 70 km/h

✗ 3. 85 km/h

✓ 4. 75 km/h

Q.70 Consider the below statements and identify the correct answer.

Statement-I: If a substance loses oxygen during a reaction, it is said to be reduced.

Statement-II: If a substance gains hydrogen during a reaction, it is said to be reduced.

Ans ✗ 1. Both the statements are false.

✗ 2. Statement-I is false, and Statement-II is true.

✓ 3. Both the statements are true.

✗ 4. Statement-I is true, and Statement-II is false.

Q.71 Under which five-year plan was Bharat Nirman started by the Government of India to upgrade rural infrastructure?

Ans
✗ 1. Eighth Five Year Plan

✔ 2. Tenth Five Year Plan

✗ 3. Ninth Five Year Plan

✗ 4. Sixth Five Year Plan

Question ID : **7518974062**
Option 1 ID : **75189716246**
Option 2 ID : **75189716248**
Option 3 ID : **75189716247**
Option 4 ID : **75189716245**
Status : **Not Answered**
Chosen Option : **--**

Q.72 Which of the following statements is/are correct?

(i)   Magnetic field strength is strongest at the centre of a bar magnet.

(ii)   No two magnetic field lines can intersect.

(iii)   Magnetic field lines always form closed continuous curves.

Ans
✔ 1. Both (ii) and (iii)

✗ 2. Only (i)

✗ 3. Only (ii)

✗ 4. Both (i) and (ii)

Question ID : **7518975515**
Option 1 ID : **75189722060**
Option 2 ID : **75189722057**
Option 3 ID : **75189722058**
Option 4 ID : **75189722059**
Status : **Answered**
Chosen Option : **1**

Q.73 Which of the following ministries introduced The Weapons of Mass Destruction and their Delivery Systems (Prohibition of Unlawful Activities) Amendment Bill, 2022, in the Lok Sabha on 5 April 2022?

Ans
✗ 1. Ministry of Law and Justice

✗ 2. Ministry of Defence

✔ 3. Ministry of External Affairs

✗ 4. Ministry of Home Affairs

Question ID : **7518976538**
Option 1 ID : **75189726149**
Option 2 ID : **75189726151**
Option 3 ID : **75189726150**
Option 4 ID : **75189726152**
Status : **Answered**
Chosen Option : **3**

Q.74 Which of the following statements are correct?

(a) For a lens the first principal focus is the position of the object whose image is at infinity

(b) For a lens the first principal focus is the position of the object whose image is formed at twice the focal length.

(c) For a lens the second principal focus is the position of the real image whose object is at infinity

(d) For a lens the second principal focus is the position of the object whose image is formed at twice the focal length

Ans
✗ 1. Both (a) and (b)

✗ 2. Both (b) and (c)

✗ 3. Both (b) and (d)

✔ 4. Both (a) and (c)

Q.75 $2.666... + 2.77...$ in fraction form is:

Ans
✗ 1. $\dfrac{29}{9}$

✔ 2. $\dfrac{49}{9}$

✗ 3. $\dfrac{31}{9}$

✗ 4. $\dfrac{47}{9}$

Q.76 Select the option that represents the letters that, when placed from left to right in the same sequence in the blanks below, will complete the letter series.

B _ M _ Q _ V M W _ B V M W _ B V _ _ T

Ans
✔ 1. V W B R S M W

✗ 2. V W B V S W M

✗ 3. V W V R S M R

✗ 4. V W V R R M W

Q.77 Which two numbers should be interchanged to make the given equation correct?

$7 \times 8 + 9 - 6 \div 3 = 59$

Ans ✗ 1. 8 and 9

✗ 2. 7 and 3

✔ 3. 6 and 9

✗ 4. 3 and 6

Question ID : **7518975328**
Option 1 ID : **75189721310**
Option 2 ID : **75189721309**
Option 3 ID : **75189721311**
Option 4 ID : **75189721312**
Status : **Answered**
Chosen Option : **3**

Q.78 P, Q, R, S, T, U and V live on seven different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 7. U lives on the top floor. Only two persons live between T and Q. Q is on floor number 3. V lives on the floor immediately above P's floor. S lives on the floor immediately above R's floor. Q lives on the floor immediately below R's floor. Who lives on floor number 6?

Ans ✗ 1. V

✗ 2. R

✗ 3. S

✔ 4. T

Question ID : **7518975153**
Option 1 ID : **75189720612**
Option 2 ID : **75189720609**
Option 3 ID : **75189720610**
Option 4 ID : **75189720611**
Status : **Answered**
Chosen Option : **4**

Q.79 Some reasons highlighting the importance of delivering sex education in schools are mentioned below.

Choose the incorrect option.

Ans ✔ 1.

Knowing about their body changes, teenagers start making fun of each other

✗ 2. Discouraging various myths and misconceptions

✗ 3. Helps to keep teenagers away from sexual abuse

✗ 4. Knowledge about changes taking place during puberty

Question ID : **7518974620**
Option 1 ID : **75189718479**
Option 2 ID : **75189718478**
Option 3 ID : **75189718480**
Option 4 ID : **75189718477**
Status : **Answered**
Chosen Option : **1**

Q.80 In how many states was the first round of Mission Indradhanush (IMI) 4.0 organised by the Union Ministry of Health and Family Welfare in February 2022, with an aim to increase full immunisation coverage?

Ans
- ✗ 1. 14
- ✗ 2. 16
- ✗ 3. 8
- ✓ 4. 11

Q.81 One of the roots of the equation $x^2 - 12x + k = 0$ is x = 3. The other root is _____.

Ans
- ✗ 1. $x = -4$
- ✗ 2. $x = -9$
- ✗ 3. $x = 4$
- ✓ 4. $x = 9$

Q.82 If x and y are the two digits of the number 115 xy such that this number is divisible by 90, then the value of x + y is:

Ans
- ✗ 1. 6
- ✓ 2. 2
- ✗ 3. 3
- ✗ 4. 5

Q.83 A group of class IX students conducted a survey for the number of family members in a household on 40 households in a locality, which resulted in the given frequency table. What is the mode of the data?

Family size	Number of families
2-4	10
4-6	8
6-8	12
8-10	6
10-12	4

Ans ✗ 1. 6.7

✗ 2. 6.6

✗ 3. 6.9

✓ 4. 6.8

Q.84 The simple interest on ₹1,280 at 5% p.a. for 3 years is:

Ans ✓ 1. ₹192

✗ 2. ₹195

✗ 3. ₹480

✗ 4. ₹180

Q.85 In a clearance sale, a sari whose marked price was ₹10,490, is now sold for ₹9,441. What is the discount per cent on the sari?

Ans ✗ 1. 15%

✗ 2. 18%

✓ 3. 10%

✗ 4. 12%

Q.86 The graph and the table below show the units sold by two salesmen, Mr. P and Mr. Q, in 4 months from January to April. Study the graph and the table and answer the question.

Monthwise Sales by Mr. P and Mr. Q

	January	February	March	April
P	80	30	50	90
Q	60	40	70	60
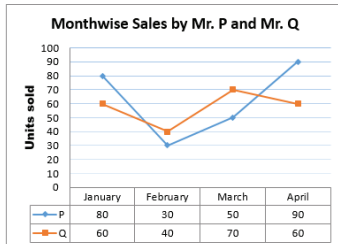
What is the respective ratio of the total units sold by Mr. P and Mr. Q during the 4 months?

Ans ✗ 1. 25 : 27

✗ 2. 23 : 21

✓ 3. 25 : 23

✗ 4. 24 : 23

Question ID : 7518975330
Option 1 ID : 75189721318
Option 2 ID : 75189721320
Option 3 ID : 75189721317
Option 4 ID : 75189721319
Status : Answered
Chosen Option : 3

Q.87 If '+' means ' ÷ ', '−' means ' + ', ' × ' means ' − ' and '÷' means ' × ', then what will be the value of the following expression?

$$[\{(23 \times 15) - (1 \div 4)\} + (2 - 2)] \div 2$$

Ans ✗ 1. 8

✗ 2. 4

✗ 3. 10

✓ 4. 6

Question ID : 7518975103
Option 1 ID : 75189720411
Option 2 ID : 75189720409
Option 3 ID : 75189720412
Option 4 ID : 75189720410
Status : Answered
Chosen Option : 3

Q.88 Which of the following is NOT a biotic component of the ecosystem?

Ans ✗ 1. Frog

✗ 2. Flower

✓ 3. Soil

✗ 4. Insect

Question ID : 7518974462
Option 1 ID : 75189717848
Option 2 ID : 75189717846
Option 3 ID : 75189717845
Option 4 ID : 75189717847
Status : Answered
Chosen Option : 3

Q.89 If '+' means '−', '−' means '÷', '÷' means '×' and '×' means '+', what will come in place of the question mark (?) in the following equation?

$12 \div 6 + 28 - 7 \times 14 = ?$

Ans ✗ 1. 80

✔ 2. 82

✗ 3. 72

✗ 4. 78

Question ID : 7518975321
Option 1 ID : 75189721283
Option 2 ID : 75189721282
Option 3 ID : 75189721281
Option 4 ID : 75189721284
Status : **Answered**
Chosen Option : **2**

Q.90 Which of the following elements is the most reactive?

Ans ✗ 1. Mg

✗ 2. Al

✔ 3. Ca

✗ 4. Pb

Question ID : 7518973433
Option 1 ID : 75189713732
Option 2 ID : 75189713730
Option 3 ID : 75189713731
Option 4 ID : 75189713729
Status : **Not Answered**
Chosen Option : **--**

Q.91 This question is based on the five, three-digit numbers given below:

(Left) 158 438 182 325 230 (Right)

If 5 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

Ans ✗ 1. 1

✗ 2. 4

✗ 3. 3

✔ 4. 2

Question ID : 7518975019
Option 1 ID : 75189720073
Option 2 ID : 75189720076
Option 3 ID : 75189720075
Option 4 ID : 75189720074
Status : **Answered**
Chosen Option : **1**

Q.92 Which of the following numbers indicates the spinal cord's location in the human brain?
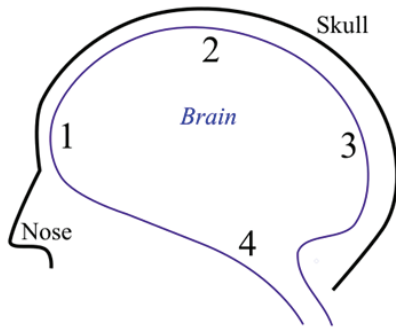
Ans   ✗ 1. Number 1

   ✗ 2. Number 2

   ✗ 3. Number 3

   ✔ 4. Number 4

Q.93 Janhvi starts walking from her home and goes 45 m towards the west. She then turns right and walks 32 m. Then, she turns right and walks 88 m. After that, she turns right and walks 50 m. Finally, she turns right again and walks 43 m. How far and in which direction is she now from her home? (All turns are 90 degree turns only)

Ans   ✗ 1. 45 m, North

   ✗ 2. 16 m, South

   ✗ 3. 18 m, North

   ✔ 4. 18 m, South

Q.94 How and when is oxygen produced as a waste product in plants?

Ans ✗ 1. By respiration during the day

✗ 2. By respiration during the night

✗ 3. By photosynthesis during the night

✓ 4. By photosynthesis during the day

Question ID : **7518974555**
Option 1 ID : **75189718218**
Option 2 ID : **75189718220**
Option 3 ID : **75189718219**
Option 4 ID : **75189718217**
Status : **Answered**
Chosen Option : **1**

Q.95 What was the achievement of Dobereiner's triads?

Ans ✓ 1.
First attempt to relate the properties of elements with atomic mass.

✗ 2. First attempt to study the size of atoms.

✗ 3. First attempt to study the atomicity of molecules.

✗ 4. First attempt to study the colour of elements.

Question ID : **7518973497**
Option 1 ID : **75189713985**
Option 2 ID : **75189713988**
Option 3 ID : **75189713986**
Option 4 ID : **75189713987**
Status : **Not Answered**
Chosen Option : **--**

Q.96 A can count 100 eggs in 4 minutes while B can count the same number of eggs in 5 minutes. How much time will be required if they work together to count 450 eggs?

Ans ✗ 1. 15 min

✓ 2. 10 min

✗ 3. 5 min

✗ 4. 20 min

Question ID : **7518975881**
Option 1 ID : **75189723523**
Option 2 ID : **75189723522**
Option 3 ID : **75189723521**
Option 4 ID : **75189723524**
Status : **Answered**
Chosen Option : **3**

Q.97 An item costs ₹2,000 less than ₹5,000. The dealer offers a discount of 10% and the retailer further offers a discount of 5% on its CP. The final SP for the customer is:

Ans ✗ 1. ₹3,454
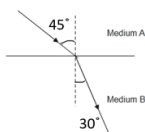
✗ 2. ₹1,987

✓ 3. ₹2,565

✗ 4. ₹2,878

Q.98 Who among the following is considered as the founder of Islam?

Ans ✗ 1. Prophet Noah

✗ 2. Prophet Yusuf

✓ 3. Prophet Muhammad

✗ 4. Prophet Abraham

Q.99 The path of a ray of light incident on an interface separating two media is shown in the figure below. The refractive index of medium A with respect to medium B is equal to:

Ans ✗ 1. $2\sqrt{2}$

✗ 2. $\dfrac{1}{\sqrt{2}}$

✓ 3. $\sqrt{2}$

✗ 4. $\dfrac{1}{2\sqrt{2}}$

Q.100

Which of the following falls under Article 51A of the Indian Constitution?

Ans

✗ 1. Promotion of International peace and security

✗ 2. Fundamental rights

✔ 3. Fundamental Duties

✗ 4. Cultural and Education Rights

Question ID : **7518973921**
Option 1 ID : **75189715684**
Option 2 ID : **75189715681**
Option 3 ID : **75189715682**
Option 4 ID : **75189715683**
Status : **Answered**
Chosen Option : **3**

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