रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन आर आर सी - ०१/२०१९ - CEN RRC - 01/2019

Roll Number	
Candidate Name	
Test Center Name	iON Digital Zone iDZ Anantapur
Test Date	25/08/2022
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 _____ make an isomeric pair.

Ans ✔ 1. Butane and 2-methyl propane

✘ 2. Propane and butane

✘ 3. Propane and 2-methyl propane

✘ 4. Butane and 2-ethyl butane

Question ID : **7518973553**
Option 1 ID : **75189714210**
Option 2 ID : **75189714209**
Option 3 ID : **75189714212**
Option 4 ID : **75189714211**
Status : **Answered**
Chosen Option : **1**

Q.2 Which of the following is a use of plaster of Paris?

    (i)   Manufacture of glass, soap and paper

    (ii)   As a cleaning agent for domestic purposes

    (iii)   Making toys, materials for decoration and for making surfaces smooth

    (iv)   For baking

Ans

  ✗ 1. only i

  ✗ 2. only ii

  ✗ 3. Only iv

  ✔ 4. only iii

Question ID : **7518973671**
Option 1 ID : **75189714681**
Option 2 ID : **75189714682**
Option 3 ID : **75189714684**
Option 4 ID : **75189714683**
Status : **Answered**
Chosen Option : **4**

Q.3 The table given below shows the number of students (girls and boys), in thousand numbers, who got admissions on merit basis in a certain well-recognised university 'XYZ' from four different places – J, K, L and M – over the years. Study the table and answer the question.

Places / Years	J Boys	J Girls	K Boys	K Girls	L Boys	L Girls	M Boys	M Girls
2016	12.5	10	14	7.5	7	10	6	9
2017	10	9	13	7	8.5	11	8	7
2018	11	9	10	8.5	8	6	5	4
2019	9.5	7	11	9	9	8	10	11
2020	10.5	6	12	10.5	10.5	9.5	14	12
2021	12	8	10	9.5	11	10	15	18

The total number of boys who got admission from places J and M in 2017 was exactly equal to the total number of girls who got admission from place M in which of the following years?

Ans

  ✗ 1. 2020

  ✔ 2. 2021

  ✗ 3. 2019

  ✗ 4. 2017

Question ID : **7518975125**
Option 1 ID : **75189720499**
Option 2 ID : **75189720500**
Option 3 ID : **75189720498**
Option 4 ID : **75189720497**
Status : **Answered**
Chosen Option : **2**

Q.4 Carbonisation is a term used to describe the process of transforming dead plants into _____ over a long period of time.

Ans

✖ 1. petrol

✖ 2. fossil

✔ 3. coal

✖ 4. diesel

Question ID : **7518974494**
Option 1 ID : **75189717974**
Option 2 ID : **75189717976**
Option 3 ID : **75189717975**
Option 4 ID : **75189717973**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the element with the highest valency from among the following.

Ans

✖ 1. Ca

✖ 2. Al

✖ 3. Li

✔ 4. N

Question ID : **7518973730**
Option 1 ID : **75189714919**
Option 2 ID : **75189714918**
Option 3 ID : **75189714917**
Option 4 ID : **75189714920**
Status : **Answered**
Chosen Option : **4**

Q.6 Ten years ago, a son was $\frac{1}{9}$ th of his father's age. Now, he is $\frac{9}{37}$ th of his father's present age. Find the present age of the father.

Ans

✖ 1. 67 years

✔ 2. 74 years

✖ 3. 57 years

✖ 4. 87 years

Question ID : **7518975717**
Option 1 ID : **75189722866**
Option 2 ID : **75189722867**
Option 3 ID : **75189722868**
Option 4 ID : **75189722865**
Status : **Answered**
Chosen Option : **2**

Q.7 Which of the following formulae does NOT represent the heat produced in a conductor due to flow of electric current?

Ans

✗ 1. $H = \dfrac{V^2}{R}t$

✔ 2. $H = IR^2t$

✗ 3. $H = I^2Rt$

✗ 4. $H = VIt$

Question ID : **7518975493**
Option 1 ID : **75189721971**
Option 2 ID : **75189721970**
Option 3 ID : **75189721969**
Option 4 ID : **75189721972**
Status : **Answered**
Chosen Option : **2**

Q.8 Five girls, Beena, Elisa, Hema, Ketaki and Zoya, are sitting around a circular table facing the centre of the table. Beena is sitting to the immediate left of Ketaki. Hema is sitting to the immediate right of Zoya. Only Ketaki is sitting between Beena and Elisa. Who is sitting to the immediate right of Elisa?

Ans

✔ 1. Zoya

✗ 2. Beena

✗ 3. Ketaki

✗ 4. Hema

Question ID : **7518975130**
Option 1 ID : **75189720519**
Option 2 ID : **75189720520**
Option 3 ID : **75189720517**
Option 4 ID : **75189720518**
Status : **Answered**
Chosen Option : **1**

Q.9 If p, q, r and s, the measures of the four angles of a quadrilateral, are in the ratio 3 : 5 : 4 : 6, then the value of 3p + 2r is:

Ans

✗ 1. 330°

✔ 2. 340°

✗ 3. 360°

✗ 4. 310°

Question ID : **7518976382**
Option 1 ID : **75189725527**
Option 2 ID : **75189725525**
Option 3 ID : **75189725526**
Option 4 ID : **75189725528**
Status : **Answered**
Chosen Option : **2**

Q.10 _____ reduce (s) the size of large fat globules, allowing enzymes to work more effectively.

Ans
✗ 1. Succus entericus

✗ 2. Pancreatic juice

✔ 3. Bile salts

✗ 4. Hydrochloric acid

Question ID : **7518974377**
Option 1 ID : **75189717505**
Option 2 ID : **75189717506**
Option 3 ID : **75189717508**
Option 4 ID : **75189717507**
Status : **Not Answered**
Chosen Option : **--**

Q.11 A pair of parallel lines is intersected by a transversal such that ∠1 and ∠2 form a pair of interior angles on the same side of the transversal. If m∠1 = 35°, what is the measure of ∠2?

Ans
✗ 1. 35^0

✗ 2. 55^0

✗ 3. 65^0

✔ 4. 145^0

Question ID : **7518975981**
Option 1 ID : **75189723923**
Option 2 ID : **75189723922**
Option 3 ID : **75189723924**
Option 4 ID : **75189723921**
Status : **Answered**
Chosen Option : **4**

Q.12 If the mean of a data is 65 and its mode is 23 then the median using empirical formula is:

Ans
✗ 1. 53

✗ 2. 54

✔ 3. 51

✗ 4. 52

Question ID : **7518975687**
Option 1 ID : **75189722747**
Option 2 ID : **75189722748**
Option 3 ID : **75189722746**
Option 4 ID : **75189722745**
Status : **Answered**
Chosen Option : **3**

Q.13 Match the following:

Formula	Name
i. CH_3COOH	a. Methane
ii. $CHCl_3$	b. Ethanol
iii. CH_3CH_2OH	c. Acetic acid
iv. CH_4	d. Chloroform

Ans

✗ 1. i-a, ii-b, iii-c, iv-d

✗ 2. i-c, ii-d, iii-a, iv-b

✔ 3. i-c, ii-d, iii-b, iv-a

✗ 4. i-a, ii-c, iii-b, iv-d

Question ID : **7518973546**
Option 1 ID : **75189714183**
Option 2 ID : **75189714181**
Option 3 ID : **75189714184**
Option 4 ID : **75189714182**
Status : **Answered**
Chosen Option : **3**

Q.14 A certain number of people are sitting in a row, facing the north. Rahul is at the 8th place from the left end of the row. Only 11 persons are sitting between Rahul and Samar. Samar is at some place towards the right of Rahul. Mohit is to the immediate left of Zeeshan, who is sitting at the extreme right end. Samar is at the 9th place from the extreme right end. If no other person is sitting in the row, what is the total number of persons seated?

Ans

✗ 1. 27

✗ 2. 29

✗ 3. 26

✔ 4. 28

Question ID : **7518975167**
Option 1 ID : **75189720666**
Option 2 ID : **75189720668**
Option 3 ID : **75189720665**
Option 4 ID : **75189720667**
Status : **Answered**
Chosen Option : **4**

Q.15 This question is based on the following three-letter words:
(Left) NAT PAL COT TAN (Right)
If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

Ans
✔ 1. One
✘ 2. Three
✘ 3. Four
✘ 4. Two

Question ID : **7518975013**
Option 1 ID : **75189720049**
Option 2 ID : **75189720051**
Option 3 ID : **75189720052**
Option 4 ID : **75189720050**
Status : **Answered**
Chosen Option : **1**

Q.16 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.

6 : 150 : : 4 : 36 : : 5 : ?

Ans
✔ 1. 80
✘ 2. 78
✘ 3. 82
✘ 4. 84

Question ID : **7518975299**
Option 1 ID : **75189721194**
Option 2 ID : **75189721193**
Option 3 ID : **75189721195**
Option 4 ID : **75189721196**
Status : **Answered**
Chosen Option : **1**

Q.17 Which of the following numbers will replace the question mark (?) in the given series?

43, 80, 117, 154, ?

Ans
✔ 1. 191
✘ 2. 193
✘ 3. 196
✘ 4. 190

Question ID : **7518975061**
Option 1 ID : **75189720244**
Option 2 ID : **75189720243**
Option 3 ID : **75189720241**
Option 4 ID : **75189720242**
Status : **Answered**
Chosen Option : **1**

Q.18 We should refrain from using plastics because _____.

Ans ✔ 1. enzymes are unable to break down plastics

✘ 2. plastics are water soluble

✘ 3. plastics are not long-lasting

✘ 4. plastics are easily degraded by insects

Question ID : **7518974479**
Option 1 ID : **75189717914**
Option 2 ID : **75189717916**
Option 3 ID : **75189717915**
Option 4 ID : **75189717913**
Status : **Answered**
Chosen Option : **1**

Q.19 What is the full form of NABARD?

Ans ✘ 1.
National Agriculture Bank Authority for Rural Development

✘ 2. National Bank for Agriculture and Regional Development

✔ 3. National Bank for Agriculture and Rural Development

✘ 4. National Bank for Rural Development

Question ID : **7518977227**
Option 1 ID : **75189728906**
Option 2 ID : **75189728908**
Option 3 ID : **75189728905**
Option 4 ID : **75189728907**
Status : **Answered**
Chosen Option : **1**

Q.20 Which of the following is NOT TRUE about vegetative propagation in plants?

Ans ✘ 1.
Plants bear flowers and fruits earlier than those produced from seeds.

✘ 2.
Plants that have lost the capacity to produce seeds can be grown.

✔ 3.
Plants produced are genetically different from the parent plant.

✘ 4. Plants are grown from root, stem and leaves.

Question ID : **7518974655**
Option 1 ID : **75189718620**
Option 2 ID : **75189718618**
Option 3 ID : **75189718619**
Option 4 ID : **75189718617**
Status : **Answered**
Chosen Option : **3**

Q.21 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.

F _ L N _ S V _ Z C _

Ans ✔ 1. IPXF

✘ 2. IQXF

✘ 3. IPYF

✘ 4. IPXE

Question ID : **7518974979**
Option 1 ID : **75189719913**
Option 2 ID : **75189719914**
Option 3 ID : **75189719915**
Option 4 ID : **75189719916**
Status : **Answered**
Chosen Option : **3**

Q.22 An object, 1.0 cm in height, is placed at a distance of 18.0 cm in front of a concave mirror of focal length 10.0 cm, on its principal axis. Its image has a height of _____ and is _____ .

Ans ✔ 1. more than 1.0 cm, inverted

✘ 2. more than 1.0 cm, erect

✘ 3. less than 1.0 cm, erect

✘ 4. less than 1.0 cm, inverted

Question ID : **7518976588**
Option 1 ID : **75189726350**
Option 2 ID : **75189726349**
Option 3 ID : **75189726351**
Option 4 ID : **75189726352**
Status : **Answered**
Chosen Option : **1**

Q.23 Which of the following options is the closest approximate value which will come in place of question mark (?) in the following equation?

$12.998 + 20.009 \div 4.998 - 2.999 \times 2.998 = ?$

Ans ✘ 1. 16

✘ 2. 12

✔ 3. 8

✘ 4. 19

Question ID : **7518975309**
Option 1 ID : **75189721235**
Option 2 ID : **75189721234**
Option 3 ID : **75189721233**
Option 4 ID : **75189721236**
Status : **Answered**
Chosen Option : **3**

Q.24 India and which country among the following agreed to line up a joint task force on a "proposal to construct a hydropower project" from investments of both countries in February 2022?

Ans ✗ 1. Myanmar

✗ 2. Bangladesh

✗ 3. Bhutan

✔ 4. Nepal

Question ID : **7518977159**
Option 1 ID : **75189728635**
Option 2 ID : **75189728636**
Option 3 ID : **75189728634**
Option 4 ID : **75189728633**
Status : **Not Answered**
Chosen Option : **--**

Q.25 As long as MP (marginal product) remains higher than the average product (AP), the average product _____.

Ans ✗ 1. continues to fall

✔ 2. continues to rise

✗ 3. remains constant

✗ 4. falls with diminishing rate

Question ID : **7518977236**
Option 1 ID : **75189728941**
Option 2 ID : **75189728943**
Option 3 ID : **75189728942**
Option 4 ID : **75189728944**
Status : **Not Answered**
Chosen Option : **--**

Q.26 Which Article of the Indian Constitution envisages the Election Commission of India (ECI), a constitutional body established by the Constitution of India, to conduct and regulate elections in the country?

Ans ✗ 1. Article 350 B

✗ 2. Article 148

✗ 3. Article 76

✔ 4. Article 324

Question ID : **7518974099**
Option 1 ID : **75189716396**
Option 2 ID : **75189716394**
Option 3 ID : **75189716395**
Option 4 ID : **75189716393**
Status : **Answered**
Chosen Option : **4**

Q.27 A tradesman marked his goods at 26% above its cost price and then allowed a discount of 13%. His gain (in %) is:

Ans ✗ 1. 6.29

✔ 2. 9.62

✗ 3. 9.26

✗ 4. 6.92

Question ID : **7518975859**
Option 1 ID : **75189723436**
Option 2 ID : **75189723433**
Option 3 ID : **75189723434**
Option 4 ID : **75189723435**
Status : **Answered**
Chosen Option : **2**

Q.28 The portion of agricultural product that is sold by farmers in market is popularly known as _____.

Ans ✗ 1. marketable agriculture product

✗ 2. permitted agriculture product

✗ 3. minimum marketed product

✔ 4. marketed surplus

Question ID : **7518977243**
Option 1 ID : **75189728971**
Option 2 ID : **75189728970**
Option 3 ID : **75189728969**
Option 4 ID : **75189728972**
Status : **Not Answered**
Chosen Option : **--**

Q.29 Simplify:

$$a^2 + 9b^2 + c^2 - 6ab + 6bc - 2ac =$$

Ans ✗ 1. $(a + 3b + c)^2$

✗ 2. $(a - 3b + c)^2$

✔ 3. $(a - 3b - c)^2$

✗ 4. $(a - 3b - 2c)^2$

Question ID : **7518975697**
Option 1 ID : **75189722786**
Option 2 ID : **75189722785**
Option 3 ID : **75189722787**
Option 4 ID : **75189722788**
Status : **Answered**
Chosen Option : **3**

Q.30 The refractive indices of turpentine oil and glass are 1.47 and 1.52, respectively. A ray of light passes from turpentine oil to glass. The refractive index of glass with respect to turpentine oil is _____ and the ray bends _____ the normal in glass.

Ans
✗ 1. 0.97, towards

✗ 2. 1.03, away from

✔ 3. 1.03, towards

✗ 4. 0.97, away from

Question ID : **7518976623**
Option 1 ID : **75189726490**
Option 2 ID : **75189726491**
Option 3 ID : **75189726492**
Option 4 ID : **75189726489**
Status : **Answered**
Chosen Option : **3**

Q.31 Mohan gets 12% increase in his sale amount in the first year and 15% increase in the second year, with that his present sale is ₹1,28,800, what was his sale two years ago?

Ans
✗ 1. ₹1,75,000

✔ 2. ₹1,00,000

✗ 3. ₹1,50,000

✗ 4. ₹1,25,000

Question ID : **7518975597**
Option 1 ID : **75189722387**
Option 2 ID : **75189722385**
Option 3 ID : **75189722386**
Option 4 ID : **75189722388**
Status : **Answered**
Chosen Option : **2**

Q.32 Which type of forest is most commonly home to the Royal Bengal tiger?

Ans
✗ 1. Mountain Forests

✗ 2. Deciduous Forests

✔ 3. Mangrove Forests

✗ 4. Thorn Forests

Question ID : **7518977265**
Option 1 ID : **75189729058**
Option 2 ID : **75189729060**
Option 3 ID : **75189729059**
Option 4 ID : **75189729057**
Status : **Answered**
Chosen Option : **2**

Q.33 The position of how many letters will remain unchanged if each of the letters in the word 'ANOTHER' is arranged in alphabetical order?
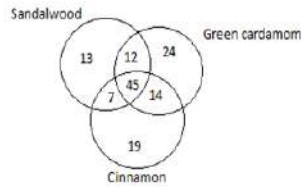
Ans

✓ 1. 1

✗ 2. 2

✗ 3. None

✗ 4. 3

Question ID : **7518974985**
Option 1 ID : **75189719938**
Option 2 ID : **75189719939**
Option 3 ID : **75189719937**
Option 4 ID : **75189719940**
Status : **Answered**
Chosen Option : **1**

Q.34 A shopkeeper allows successive discount of 20% and 15% on an item of marked price ₹2,000. At what price did he sell the item?

Ans

✗ 1. ₹1,300

✗ 2. ₹1,240

✓ 3. ₹1,360

✗ 4. ₹1,200

Question ID : **7518975640**
Option 1 ID : **75189722557**
Option 2 ID : **75189722559**
Option 3 ID : **75189722560**
Option 4 ID : **75189722558**
Status : **Answered**
Chosen Option : **3**

Q.35 Study the given diagram carefully and answer the following question. The numbers in different sections indicate the number of recipes in a cook book using the given ingredients.
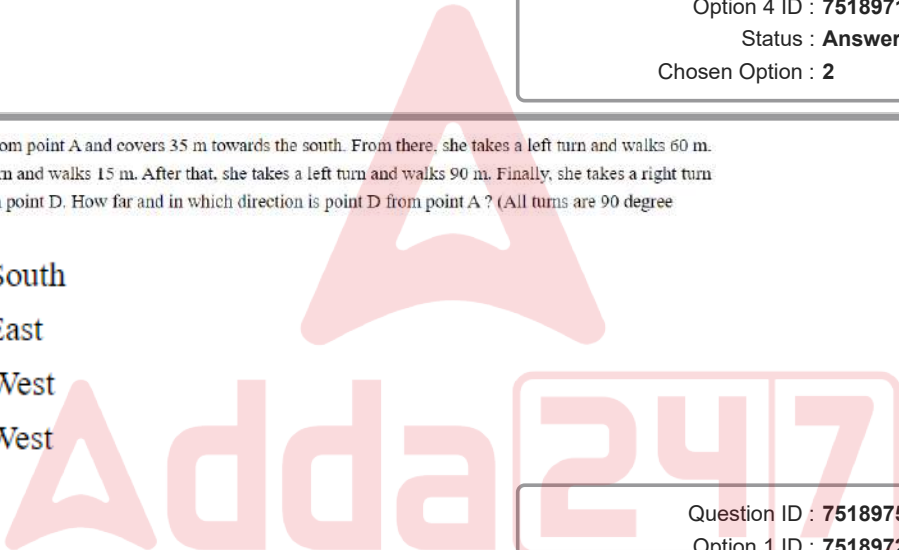

How many recipes use exactly any two of the given ingredients?

Ans
  ✗ 1. 7
  ✔ 2. 33
  ✗ 3. 12
  ✗ 4. 14

Question ID : **7518974945**
Option 1 ID : **75189719780**
Option 2 ID : **75189719777**
Option 3 ID : **75189719778**
Option 4 ID : **75189719779**
Status : **Answered**
Chosen Option : **2**

Q.36 Parvati starts walking from point A and covers 35 m towards the south. From there, she takes a left turn and walks 60 m. Then, she takes a left turn and walks 15 m. After that, she takes a left turn and walks 90 m. Finally, she takes a right turn and walks 20 m to reach point D. How far and in which direction is point D from point A ? (All turns are 90 degree turns only)

Ans
  ✗ 1. 20 m, South
  ✗ 2. 30 m, East
  ✔ 3. 30 m, West
  ✗ 4. 20 m, West

Question ID : **7518975039**
Option 1 ID : **75189720156**
Option 2 ID : **75189720154**
Option 3 ID : **75189720153**
Option 4 ID : **75189720155**
Status : **Answered**
Chosen Option : **3**

Q.37 A statement is given followed by two possible conclusions I and II. Read all the information given in the statement carefully and decide which of the given conclusions can be concluded from the given information.

Statement:
An online teaching platform has reported to earn almost double through subscriptions ever since they started LIVE problem-solving classes on the platform.

Conclusions:
I. No other online teaching platform offers LIVE problem-solving classes.
II. Students who opt for LIVE problem-solving sessions on the said platform have to pay double the fees as compared to those who opt for regular classes.

Ans

✗ 1. Both I and II can be concluded

✗ 2. Only II can be concluded

✗ 3. Only I can be concluded

✔ 4. Neither I nor II can be concluded

Question ID : **7518976767**
Option 1 ID : **75189727067**
Option 2 ID : **75189727066**
Option 3 ID : **75189727065**
Option 4 ID : **75189727068**
Status : **Answered**
Chosen Option : **4**

Q.38 The value of $1 + 3 + 5 + 7 + \cdots + 21 =$

Ans

✔ 1. 121

✗ 2. 211

✗ 3. 108

✗ 4. 144

Question ID : **7518975563**
Option 1 ID : **75189722251**
Option 2 ID : **75189722250**
Option 3 ID : **75189722249**
Option 4 ID : **75189722252**
Status : **Answered**
Chosen Option : **1**

Q.39 Each of A, B, C, D, E, F and G has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has the exam on Tuesday. Only one person has the exam between A and G, A has exam before G. D has the exam on the day immediately before A, but not on Thursday. F's exam is on one of the days before E but after B. E has exam on Sunday. Who among the following has the exam on Monday?

Ans
✗ 1. E
✗ 2. F
✔ 3. B
✗ 4. D

> Question ID : **7518974909**
> Option 1 ID : **75189719633**
> Option 2 ID : **75189719636**
> Option 3 ID : **75189719635**
> Option 4 ID : **75189719634**
> Status : **Answered**
> Chosen Option : **3**

Q.40 In which one of the following state will you experience 'Kaal Baisakhi'?

Ans
✗ 1. Tamil Nadu
✔ 2. West Bengal
✗ 3. Gujarat
✗ 4. Punjab

> Question ID : **7518974260**
> Option 1 ID : **75189717038**
> Option 2 ID : **75189717040**
> Option 3 ID : **75189717039**
> Option 4 ID : **75189717037**
> Status : **Answered**
> Chosen Option : **2**

Q.41 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.

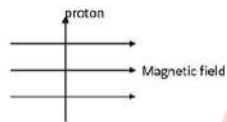| Number/Symbol	6	5	4	3	%	#	8
Codes	R	G	U	W	K	P	B

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 Y.

Question: 6 # % 3 8 5 # 4

Ans

✗ 1. B U K W P G P R

✗ 2. R P K W B G P U

✔ 3. R B K W P G P U

✗ 4. R B Y Y P G P U

Question ID : **7518975248**
Option 1 ID : **75189720992**
Option 2 ID : **75189720990**
Option 3 ID : **75189720989**
Option 4 ID : **75189720991**
Status : **Answered**
Chosen Option : **3**

Q.42 A proton is projected into a magnetic field as shown in the figure, the direction of force experienced by it is :

proton

Magnetic field

Ans

✗ 1. outside the plane of paper

✗ 2. in the direction of motion of proton

✔ 3. into the plane of paper

✗ 4. against the direction of motion of proton

Question ID : **7518975527**
Option 1 ID : **75189722108**
Option 2 ID : **75189722105**
Option 3 ID : **75189722107**
Option 4 ID : **75189722106**
Status : **Not Answered**
Chosen Option : **--**

Q.43 Three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All wires are switches.

No switch is a pipe.

All bulbs are pipes.

Conclusions:

I. No wire is a pipe.

II. No bulb is a switch.

Ans ✗ 1. Neither conclusion I nor II follows

✓ 2. Both conclusions I and II follow

✗ 3. Only conclusion II follows

✗ 4. Only conclusion I follows

Question ID : **7518975172**
Option 1 ID : **75189720688**
Option 2 ID : **75189720687**
Option 3 ID : **75189720686**
Option 4 ID : **75189720685**
Status : **Answered**
Chosen Option : **2**

Q.44 The _____ city has been named as the host of the International Olympic Committee session in 2023?

Ans ✓ 1. Mumbai

✗ 2. Pune

✗ 3. Bengaluru

✗ 4. New Delhi

Question ID : **7518973948**
Option 1 ID : **75189715791**
Option 2 ID : **75189715792**
Option 3 ID : **75189715789**
Option 4 ID : **75189715790**
Status : **Answered**
Chosen Option : **2**

Q.45 Which of the following stores starch, proteins and oil granules in a plant cell?

Ans
✗ 1. Protoplast

✗ 2. Chromoplast

✓ 3. Leucoplast

✗ 4. Chloroplast

Question ID : **7518974512**
Option 1 ID : **75189718048**
Option 2 ID : **75189718046**
Option 3 ID : **75189718047**
Option 4 ID : **75189718045**
Status : **Answered**
Chosen Option : **4**

Q.46 The magnetic field strength inside a current carrying solenoid is:

Ans
✗ 1. less at ends and more at centre

✓ 2. uniform and non-zero

✗ 3. more at ends and less at centre

✗ 4. zero

Question ID : **7518975516**
Option 1 ID : **75189722064**
Option 2 ID : **75189722062**
Option 3 ID : **75189722063**
Option 4 ID : **75189722061**
Status : **Answered**
Chosen Option : **3**

Q.47 The smallest whole number that must be multiplied to 1083 to make it a perfect square, is:

Ans
✗ 1. 4

✓ 2. 3

✗ 3. 11

✗ 4. 2

Question ID : **7518975564**
Option 1 ID : **75189722253**
Option 2 ID : **75189722254**
Option 3 ID : **75189722256**
Option 4 ID : **75189722255**
Status : **Answered**
Chosen Option : **2**

Q.48 Three resistors of 9 Ω each are connected in parallel. Their equivalent resistance is:

Ans
- ✗ 1. $27\,\Omega$
- ✗ 2. $9\,\Omega$
- ✗ 3. $18\,\Omega$
- ✓ 4. $3\,\Omega$

Question ID : **7518975478**
Option 1 ID : **75189721909**
Option 2 ID : **75189721911**
Option 3 ID : **75189721910**
Option 4 ID : **75189721912**
Status : **Answered**
Chosen Option : **4**

Q.49 Which of the following is an example of 'Electrolytic Decomposition Reaction'?

Ans
- ✗ 1. $2KClO_3 \rightarrow 2KCl + 3O_2$
- ✓ 2. $2H_2O \rightarrow 2H_2 + O_2$
- ✗ 3. $ZnCO_3 \rightarrow ZnO + CO_2$
- ✗ 4. $2AgBr \rightarrow 2Ag + Br_2$

Question ID : **7518973430**
Option 1 ID : **75189713720**
Option 2 ID : **75189713717**
Option 3 ID : **75189713719**
Option 4 ID : **75189713718**
Status : **Answered**
Chosen Option : **4**

Q.50 One year ago, Krishna was four times as old as his daughter Kavitha. Six years hence, Krishna's age will be 12 years more than his daughter's age. Find the ratio of the present ages of Krishna and his daughter.

Ans
- ✗ 1. $11:3$
- ✗ 2. $9:2$
- ✗ 3. $12:5$
- ✓ 4. $17:5$

Question ID : **7518976156**
Option 1 ID : **75189724622**
Option 2 ID : **75189724621**
Option 3 ID : **75189724623**
Option 4 ID : **75189724624**
Status : **Answered**
Chosen Option : **4**

Q.51 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number given below, what will be the difference in the digits that are third from the left and third from the right in the new number thus formed?

(Left) 86547231 (Right)

Ans ✔ 1. 5

✗ 2. 4

✗ 3. 3

✗ 4. 6

Question ID : **7518975317**
Option 1 ID : **75189721267**
Option 2 ID : **75189721266**
Option 3 ID : **75189721265**
Option 4 ID : **75189721268**
Status : **Answered**
Chosen Option : **1**

Q.52 What is the least 5-digit number, which when divided by 15, 24, 35 and 42, the remainder in each case is 13?

Ans ✗ 1. 10067

✗ 2. 10073

✔ 3. 10093

✗ 4. 10106

Question ID : **7518975590**
Option 1 ID : **75189722357**
Option 2 ID : **75189722359**
Option 3 ID : **75189722358**
Option 4 ID : **75189722360**
Status : **Answered**
Chosen Option : **3**

Q.53 Two banks, A and B, offered loans at 4.5% and 5.5% per annum, respectively. Ramesh borrowed an amount of ₹2,00,000 from each bank. Find the positive difference in the amounts of simple interest paid to the two banks by Ramesh after 2 years.

Ans ✗ 1. ₹ 2,000

✔ 2. ₹ 4,000

✗ 3. ₹ 8,000

✗ 4. ₹ 6,000

Question ID : **7518975849**
Option 1 ID : **75189723395**
Option 2 ID : **75189723396**
Option 3 ID : **75189723393**
Option 4 ID : **75189723394**
Status : **Answered**
Chosen Option : **1**

Q.54 On what date were the Consumer Protection (Direct Selling) Rules, 2021 introduced by the Government of India?

Ans

✗ 1. 25 December 2021

✗ 2. 26 December 2021

✔ 3. 28 December 2021

✗ 4. 24 December 2021

Question ID : **7518973850**
Option 1 ID : **75189715399**
Option 2 ID : **75189715398**
Option 3 ID : **75189715397**
Option 4 ID : **75189715400**
Status : **Answered**
Chosen Option : **1**

Q.55 The Digambara sect belongs to which of the following religions?

Ans ✗ 1. Buddhism

✗ 2. Islam

✔ 3. Jainism

✗ 4. Sikhism

Question ID : **7518974208**
Option 1 ID : **75189716829**
Option 2 ID : **75189716831**
Option 3 ID : **75189716830**
Option 4 ID : **75189716832**
Status : **Answered**
Chosen Option : **3**

Q.56 Which of the following is NOT a change that marks the onset of puberty

Ans

✘ 1. change in voice

✘ 2. Sudden increase in height

✔ 3. Growth of nails

✘ 4. change in body shape

Question ID : **7518974432**
Option 1 ID : **75189717727**
Option 2 ID : **75189717725**
Option 3 ID : **75189717726**
Option 4 ID : **75189717728**
Status : **Answered**
Chosen Option : **3**

Q.57 If $x : y = 7 : 3$, then $(x^2 + y^2) : (x^2 - y^2) = ?$

Ans

✔ 1. $29 : 20$

✘ 2. $25 : 4$

✘ 3. $5 : 2$

✘ 4. $5 : 1$

Question ID : **7518975845**
Option 1 ID : **75189723378**
Option 2 ID : **75189723380**
Option 3 ID : **75189723377**
Option 4 ID : **75189723379**
Status : **Answered**
Chosen Option : **1**

Q.58 The following table shows the number of two-wheelers sold by five automobile companies named K, L, M, N and O in three different years from 2019, 2020, 2021. Study the table and answer the question.

Companies	2019	2020	2021
K	210	240	320
L	655	345	225
M	235	340	765
N	265	325	650
O	650	345	555

What is the percentage share of sale of company M done in the year 2019 in the total sale of Company M in all three years taken together?

Ans ✗ 1. 19.8%

✔ 2. 17.5%

✗ 3. 16.4%

✗ 4. 15.3%

Question ID : **7518975343**
Option 1 ID : **75189721372**
Option 2 ID : **75189721371**
Option 3 ID : **75189721370**
Option 4 ID : **75189721369**
Status : **Answered**
Chosen Option : **2**

Q.59 Based on the given statement, two conclusions are drawn. Find out which conclusion is true based on the statement.

Statement: $T \geq C, B < D, C > B$

Conclusions:

1. $D = C$

2. $T > B$

Ans ✗ 1. Both conclusions 1 and 2 are true

✔ 2. Only conclusion 2 is true

✗ 3. Only conclusion 1 is true

✗ 4. Neither conclusion 1 nor 2 is true

Question ID : **7518974767**
Option 1 ID : **75189719067**
Option 2 ID : **75189719066**
Option 3 ID : **75189719065**
Option 4 ID : **75189719068**
Status : **Answered**
Chosen Option : **2**

Q.60 In July 2022, the Lok Sabha passed the Family Courts (Amendment) Bill, 2022, to overcome the issue of lack of jurisdiction of Family Courts in the States of Himachal Pradesh and _____.

Ans

✗ 1. Sikkim

✗ 2. Mizoram

✗ 3. Meghalaya

✔ 4. Nagaland

Question ID : **7518976535**
Option 1 ID : **75189726140**
Option 2 ID : **75189726138**
Option 3 ID : **75189726139**
Option 4 ID : **75189726137**
Status : **Not Answered**
Chosen Option : **--**

Q.61 In January 2022, who released 'Banking on electric vehicles in India' report in collaboration with Rocky Mountain Institute and RMI India?

Ans

✗ 1. Ministry of Finance

✔ 2. NITI Aayog

✗ 3. DRDO

✗ 4. Ministry of Road Transport and Highways

Question ID : **7518973793**
Option 1 ID : **75189715171**
Option 2 ID : **75189715172**
Option 3 ID : **75189715169**
Option 4 ID : **75189715170**
Status : **Not Answered**
Chosen Option : **--**

Q.62 A concave mirror forms a real, inverted and diminished image of an object. Where is the object placed?

Ans

✗ 1. Between pole and focus

✓ 2. Beyond centre of curvature

✗ 3. Between focus and centre of curvature

✗ 4. At focus

Question ID : **7518975356**
Option 1 ID : **75189721422**
Option 2 ID : **75189721423**
Option 3 ID : **75189721421**
Option 4 ID : **75189721424**
Status : **Answered**
Chosen Option : **1**

Q.63 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	8	3	!	&	4	#	6	@	$	7
Code	Q	W	E	R	T	Y	U	L	P	K

Conditions:
(i) If the second element is a symbol and the last is also a symbol, then these two symbols do not require coding.
(ii) If the first element is an even number and the last is a symbol, the codes of the first and last elements are to be interchanged.
(iii) If the question has more than two odd numbers, then all even numbers do not require coding.
(iv) if none of the conditions apply, use the codes directly

Question: 7 # $ 4 6 @ 4 ! 8 3

Ans

✗ 1. KYPYULTEQW

✗ 2. WYP4UL4EQK

✓ 3. KYPTULTEQW

✗ 4. KYP46L4E8W

Question ID : **7518974830**
Option 1 ID : **75189719317**
Option 2 ID : **75189719319**
Option 3 ID : **75189719318**
Option 4 ID : **75189719320**
Status : **Answered**
Chosen Option : **3**

Q.64 _____ is an Indian regional political party in the state of Tamil Nadu and the union territory of Puducherry, established in 1972.

Ans

✗ 1. BJD

✔ 2. AIADMK

✗ 3. INLD

✗ 4. DMDK

Question ID : **7518974111**
Option 1 ID : **75189716442**
Option 2 ID : **75189716441**
Option 3 ID : **75189716444**
Option 4 ID : **75189716443**
Status : **Not Answered**
Chosen Option : **--**

Q.65 If the time in the mirror image of a 12-hour clock is 3:55, what is the actual time?

Ans

✔ 1. 8:05

✗ 2. 8:25

✗ 3. 7:05

✗ 4. 7:25

Question ID : **7518976771**
Option 1 ID : **75189727084**
Option 2 ID : **75189727081**
Option 3 ID : **75189727082**
Option 4 ID : **75189727083**
Status : **Answered**
Chosen Option : **1**

Q.66 If A is an acute angle of triangle ABC, the $\frac{\cos A - \sin A + 1}{\cos A + \sin A - 1}$ is equal to:

Ans

✗ 1. $\cos A + \csc A$

✔ 2. $\cot A + \csc A$

✗ 3. $\tan A + \cos A$

✗ 4. $\cot A + \sec A$

Question ID : **7518975783**
Option 1 ID : **75189723130**
Option 2 ID : **75189723129**
Option 3 ID : **75189723132**
Option 4 ID : **75189723131**
Status : **Answered**
Chosen Option : **2**

Q.67 Which of the following is/are weak acid(s)?

$HCl, CH_3COOH, H_2SO_4, HNO_3, H_2CO_3, H_2SO_3$

Ans ✔ 1. CH_3COOH, H_2CO_3

✘ 2. $CH_3COOH, H_2SO_4, HNO_3, H_2CO_3$

✘ 3. H_2SO_4, HNO_3, H_2CO_3

✘ 4. HCl, CH_3COOH, H_2SO_4

Question ID : **7518973621**
Option 1 ID : **75189714482**
Option 2 ID : **75189714484**
Option 3 ID : **75189714483**
Option 4 ID : **75189714481**
Status : **Answered**
Chosen Option : **1**

Q.68 A cube made of edge 18 m is completely filled with milk. The milk is transferred into a cuboid of length 27 m and height 7 m. The width of the cuboid is

Ans ✘ 1. 72.5 m

✘ 2. 54.6 m

✘ 3. 12.7 m

✔ 4. 30.8 m

Question ID : **7518975760**
Option 1 ID : **75189723037**
Option 2 ID : **75189723038**
Option 3 ID : **75189723039**
Option 4 ID : **75189723040**
Status : **Answered**
Chosen Option : **4**

Q.69 Two trains of same length are running on parallel tracks in the same direction at speeds of 56 m/s and 46 m/s. The faster train crosses the slower train in 26 sec. The length of each train is:

Ans ✘ 1. 100 m

✘ 2. 120 m

✘ 3. 140 m

✔ 4. 130 m

Question ID : **7518975875**
Option 1 ID : **75189723497**
Option 2 ID : **75189723498**
Option 3 ID : **75189723499**
Option 4 ID : **75189723500**
Status : **Answered**
Chosen Option : **4**

Q.70 Based on the given statement, four conclusions are drawn. Find out which conclusion is true based on the statement.

Statement: $J > H = N \geq B \leq C < E$

Ans
✗ 1. $H < B$

✔ 2. $B < J$

✗ 3. $N > C$

✗ 4. $N > E$

Question ID : **7518974765**
Option 1 ID : **75189719057**
Option 2 ID : **75189719058**
Option 3 ID : **75189719059**
Option 4 ID : **75189719060**
Status : **Answered**
Chosen Option : **2**

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

Ans
✔ 1. $616 \, cm^2$

✗ 2. $661 \, cm^2$

✗ 3. $666 \, cm^2$

✗ 4. $166 \, cm^2$

Question ID : **7518975969**
Option 1 ID : **75189723876**
Option 2 ID : **75189723874**
Option 3 ID : **75189723875**
Option 4 ID : **75189723873**
Status : **Answered**
Chosen Option : **1**

Q.72 The value of $\frac{2}{3} + \frac{1}{1+\frac{4}{5}} - \frac{5}{6}$ is:

Ans
✗ 1. $\frac{5}{18}$

✗ 2. $\frac{13}{18}$

✔ 3. $\frac{7}{18}$

✗ 4. $\frac{11}{18}$

Question ID : **7518976232**
Option 1 ID : **75189724928**
Option 2 ID : **75189724925**
Option 3 ID : **75189724926**
Option 4 ID : **75189724927**
Status : **Answered**
Chosen Option : **3**

Q.73 In plants, the cells of meristematic tissue undergo a process wherein they lose their ability to divide, take up a permanent shape and size and specialise to perform a specific function. What is this process known as?

Ans ✗ 1. Development

✗ 2. Proliferation

✓ 3. Differentiation

✗ 4. Regeneration

Question ID : **7518974520**
Option 1 ID : **75189718078**
Option 2 ID : **75189718080**
Option 3 ID : **75189718077**
Option 4 ID : **75189718079**
Status : **Answered**
Chosen Option : **2**

Q.74 The doldrums are an area of _____ pressure around the equator, where prevailing winds are calm.

Ans ✗ 1. Constant

✓ 2. low

✗ 3. high

✗ 4. fluctuating

Question ID : **7518977254**
Option 1 ID : **75189729015**
Option 2 ID : **75189729013**
Option 3 ID : **75189729014**
Option 4 ID : **75189729016**
Status : **Answered**
Chosen Option : **1**

Q.75 An object is placed on the principal axis of a concave lens of focal length 20 cm, at a distance of 10 cm. The magnification produced by the lens is _____ and the image is _____.

Ans ✓ 1. less than 1, erect

✗ 2. more than 1, inverted

✗ 3. more than 1, erect

✗ 4. less than 1, inverted

Question ID : **7518976631**
Option 1 ID : **75189726522**
Option 2 ID : **75189726523**
Option 3 ID : **75189726521**
Option 4 ID : **75189726524**
Status : **Answered**
Chosen Option : **1**

Q.76 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 457943246, what will be the sum of the digits that are fourth from the left and fourth from the right?

Ans

✗ 1. 16

✓ 2. 10

✗ 3. 8

✗ 4. 12

Question ID : **7518975100**
Option 1 ID : **75189720400**
Option 2 ID : **75189720398**
Option 3 ID : **75189720397**
Option 4 ID : **75189720399**
Status : **Answered**
Chosen Option : **2**

Q.77 How many such pairs of letters are there in the word 'ROASTERS' (in both forward and backward directions) which have as many letters between them in the word as there are in the English alphabetical order?

Ans

✗ 1. Four

✗ 2. Two

✗ 3. One

✓ 4. Three

Question ID : **7518975222**
Option 1 ID : **75189720888**
Option 2 ID : **75189720886**
Option 3 ID : **75189720885**
Option 4 ID : **75189720887**
Status : **Answered**
Chosen Option : **4**

Q.78 Three statements are given followed by three conclusions I, II and III. You have to consider these statements to be true, even if they seem at variance from commonly known facts. Choose which of the given conclusions logically follow/s from the given statements.

Statements:

1. All sugars are jaggery.

2. No jaggery is sweetener.

3. All sweeteners are fruits.

Conclusions:

I. No sugar is sweetener.

II. Some jaggeries are sweeteners.

III. Some jaggeries are sugars.

Ans ✗ 1. All conclusions follow.

✓ 2. Only conclusion I and III follow.

✗ 3. Only conclusions II and III follow.

✗ 4. Only conclusions I and II follow.

Question ID : **7518974745**
Option 1 ID : **75189718979**
Option 2 ID : **75189718980**
Option 3 ID : **75189718978**
Option 4 ID : **75189718977**
Status : **Answered**
Chosen Option : **2**

Q.79 J, K, L, M, N, O and P are seven comedians sitting in a straight row facing north. O and L are immediate neighbours. Only two people sit to the left of K. L is to the immediate right of N. P is an immediate neighbour of both K and N. If J is at the extreme left end of the row, who sits at the extreme right end?

Ans ✗ 1. P

✗ 2. M

✗ 3. N

✓ 4. O

Question ID : **7518974901**
Option 1 ID : **75189719602**
Option 2 ID : **75189719604**
Option 3 ID : **75189719601**
Option 4 ID : **75189719603**
Status : **Answered**
Chosen Option : **4**

Q.80 Five-fourths of a number is greater than three-fourths of the number by 6. Find the number.

Ans
✗ 1. 10
✗ 2. 14
✔ 3. 12
✗ 4. 8

Question ID : **7518976135**
Option 1 ID : **75189724538**
Option 2 ID : **75189724540**
Option 3 ID : **75189724539**
Option 4 ID : **75189724537**
Status : **Answered**
Chosen Option : **3**

Q.81 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Exactly two boxes are kept between C and D with C placed above D. F is immediately below A. G is immediately above B. B is the third box from the top. Exactly two boxes are kept between D and E with D placed above E. Only one box is kept between E and A. Which box is kept just above E?

Ans
✗ 1. D
✗ 2. C
✗ 3. G
✔ 4. F

Question ID : **7518975160**
Option 1 ID : **75189720637**
Option 2 ID : **75189720640**
Option 3 ID : **75189720639**
Option 4 ID : **75189720638**
Status : **Answered**
Chosen Option : **4**

Q.82 Six poles, A, B, C, D, E and F, are located in the same colony. B is 20 m to the west of C. F is 60 m to the south of E. C is 30 m to the north of E. A is 60 m to the west of B. D is 30 m to the south of B. In which direction is A with reference to C?

Ans
✗ 1. North
✔ 2. West
✗ 3. East
✗ 4. South

Question ID : **7518975269**
Option 1 ID : **75189721075**
Option 2 ID : **75189721074**
Option 3 ID : **75189721073**
Option 4 ID : **75189721076**
Status : **Answered**
Chosen Option : **2**

Q.83 Which Amendment in the Indian Constitution substituted the words 'sovereign democratic republic' with the words 'sovereign socialist secular democratic republic' and 'unity of the Nation' with the words 'unity and integrity of the Nation"?

Ans
✔ 1. 42nd

✘ 2. 31st

✘ 3. 53rd

✘ 4. 64th

Question ID : **7518974284**
Option 1 ID : **75189717134**
Option 2 ID : **75189717133**
Option 3 ID : **75189717135**
Option 4 ID : **75189717136**
Status : **Answered**
Chosen Option : **1**

Q.84

In which of the following states did NESTLE India Ltd. set up its first factory in 1961?

Ans
✘ 1. Madhya Pradesh

✔ 2. Punjab

✘ 3. Kerala

✘ 4. Haryana

Question ID : **7518973803**
Option 1 ID : **75189715210**
Option 2 ID : **75189715211**
Option 3 ID : **75189715209**
Option 4 ID : **75189715212**
Status : **Answered**
Chosen Option : **4**

Q.85 Pipe A is 3 times faster than pipe B. Both pipes together fill a tank in 36 min. How much time will pipe A alone take to fill the tank?

Ans ✗ 1. 80 min

✗ 2. 100 min

✗ 3. 156 min

✓ 4. 48 min

Question ID : **7518975662**
Option 1 ID : **75189722645**
Option 2 ID : **75189722646**
Option 3 ID : **75189722648**
Option 4 ID : **75189722647**
Status : **Answered**
Chosen Option : **4**

Q.86 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

PY – RW – TU

EN – GL – IJ

Ans ✗ 1. XC – YB – ZA

✓ 2. MT – OR – QP

✗ 3. UV – TU – ST

✗ 4. DE – EF – FG

Question ID : **7518975055**
Option 1 ID : **75189720219**
Option 2 ID : **75189720218**
Option 3 ID : **75189720220**
Option 4 ID : **75189720217**
Status : **Answered**
Chosen Option : **2**

Q.87 Which festival revives and preserves the rich culture of Nagaland, and showcases its extraordinary traditions?

Ans ✗ 1. Thrissur Pooram Festival

✓ 2. Hornbill Festival

✗ 3. Losar Festival

✗ 4. Thaipusam Festival

Question ID : **7518973998**
Option 1 ID : **75189715991**
Option 2 ID : **75189715989**
Option 3 ID : **75189715990**
Option 4 ID : **75189715992**
Status : **Answered**
Chosen Option : **2**

Q.88 Which cell organelle detoxifies toxins and drugs?

Ans ✗ 1. Ribosomes

✗ 2. Mitochondria

✗ 3. Golgi bodies

✔ 4. Endoplasmic reticulum

Question ID : **7518974363**
Option 1 ID : **75189717452**
Option 2 ID : **75189717449**
Option 3 ID : **75189717450**
Option 4 ID : **75189717451**
Status : **Answered**
Chosen Option : **3**

Q.89 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 are not allowed.)

(12, 61, 7)

(15, 51, 6)

Ans ✔ 1. (14, 78, 8)

✗ 2. (20, 54, 5)

✗ 3. (12, 46, 4)

✗ 4. (16, 70, 9)

Question ID : **7518975301**
Option 1 ID : **75189721202**
Option 2 ID : **75189721204**
Option 3 ID : **75189721201**
Option 4 ID : **75189721203**
Status : **Not Answered**
Chosen Option : **--**

Q.90 The sum of two positive integers is 55. If their HCF and LCM are 5 and 120, respectively, then the sum of their reciprocals is _____.

Ans

✗ 1. $\dfrac{120}{13}$

✔ 2. $\dfrac{11}{120}$

✗ 3. $\dfrac{14}{6}$

✗ 4. $\dfrac{12}{13}$

Question ID : **7518975592**
Option 1 ID : **75189722366**
Option 2 ID : **75189722367**
Option 3 ID : **75189722368**
Option 4 ID : **75189722365**
Status : **Answered**
Chosen Option : **2**

Q.91 If one root of a quadratic equation, α, is half of the other root of the same equation, then find the quadratic equation.

Ans

✗ 1. $x^2 + 3\alpha x + 2\alpha^2 = 0$

✗ 2. $x^2 + 3\alpha x - 2\alpha^2 = 0$

✔ 3. $x^2 - 3\alpha x + 2\alpha^2 = 0$

✗ 4. $x^2 - 3\alpha x - 2\alpha^2 = 0$

Question ID : **7518975951**
Option 1 ID : **75189723802**
Option 2 ID : **75189723804**
Option 3 ID : **75189723801**
Option 4 ID : **75189723803**
Status : **Answered**
Chosen Option : **3**

Q.92 Which of the following is the first indigenous RT-PCR kit developed by 'CSIR – Central Drug Research Institute' for testing the omicron variant?

Ans

✗ 1. VinCom

✗ 2. Shanti

✗ 3. Cowin

✔ 4. INDICoV-Om

Question ID : **7518974151**
Option 1 ID : **75189716601**
Option 2 ID : **75189716602**
Option 3 ID : **75189716604**
Option 4 ID : **75189716603**
Status : **Answered**
Chosen Option : **4**

Q.93 Two bulbs A and B are rated 100 W and 25 W, respectively, at a given voltage. The ratio of resistance of bulb A to that of bulb B is:

Ans
✗ 1. 4 : 1

✗ 2. 2 : 1

✔ 3. 1 : 4

✗ 4. 1 : 2

Question ID : **7518975506**
Option 1 ID : **75189722022**
Option 2 ID : **75189722024**
Option 3 ID : **75189722021**
Option 4 ID : **75189722023**
Status : **Answered**
Chosen Option : **1**

Q.94 Which of the following groups represents zero valency?

Ans
✔ 1. 18

✗ 2. 14

✗ 3. 12

✗ 4. 16

Question ID : **7518973526**
Option 1 ID : **75189714104**
Option 2 ID : **75189714103**
Option 3 ID : **75189714101**
Option 4 ID : **75189714102**
Status : **Answered**
Chosen Option : **1**

Q.95 Which of the following numbers will replace the question mark (?) in the given series?

11, 31, 55, 84, 119,?

Ans
✗ 1. 131

✔ 2. 161

✗ 3. 157

✗ 4. 142

Question ID : **7518975293**
Option 1 ID : **75189721169**
Option 2 ID : **75189721172**
Option 3 ID : **75189721171**
Option 4 ID : **75189721170**
Status : **Answered**
Chosen Option : **2**

Q.96 Which Indian language is also recognised as an official language of Singapore and Sri Lanka?

Ans ✗ 1. Kannada

✗ 2. Telugu

✗ 3. Bengali

✓ 4. Tamil

Question ID : **7518977192**
Option 1 ID : **75189728766**
Option 2 ID : **75189728765**
Option 3 ID : **75189728768**
Option 4 ID : **75189728767**
Status : **Not Answered**
Chosen Option : **--**

Q.97 Find the roots of $\sqrt{3}m^2 + 10m + 7\sqrt{3} = 0$.

Ans ✓ 1. $-\frac{7}{\sqrt{3}} \ and - \sqrt{3}$

✗ 2. $\frac{7}{\sqrt{3}} \ and - \sqrt{3}$

✗ 3. $-\frac{7}{\sqrt{3}} \ and \ \sqrt{3}$

✗ 4. $-\frac{7}{\sqrt{3}} \ and \ - 2\sqrt{3}$

Question ID : **7518975741**
Option 1 ID : **75189722961**
Option 2 ID : **75189722963**
Option 3 ID : **75189722962**
Option 4 ID : **75189722964**
Status : **Answered**
Chosen Option : **1**

Q.98 Which of the following is an example of combination reaction?

Ans ✗ 1. $ZnCO_3 \rightarrow ZnO + CO_2$

✗ 2. $2NaCl \rightarrow 2Na + Cl_2$

✗ 3. $MgCl_2 + Na \rightarrow 2NaCl + Mg$

✓ 4. $N_2 + H_2 \rightarrow 2NH_3$

Question ID : **7518973422**
Option 1 ID : **75189713688**
Option 2 ID : **75189713686**
Option 3 ID : **75189713687**
Option 4 ID : **75189713685**
Status : **Answered**
Chosen Option : **4**

Q.99 Who among the following became the first para-athlete of India to receive the Padma Bhushan in the year 2022?

Ans

✗ 1. Harvinder Singh

✗ 2. Pramod Bhagat

✓ 3. Devendra Jhajharia

✗ 4. Manoj Sarkar

Question ID : **7518976460**
Option 1 ID : **75189725838**
Option 2 ID : **75189725840**
Option 3 ID : **75189725837**
Option 4 ID : **75189725839**
Status : **Answered**
Chosen Option : **3**

Q.100 The frequency distribution here gives the monthly consumption of electricity of 60 consumers of a locality. What is the median of the data?

Monthly consumption (in units)	Number of consumers
50 – 60	6
60 – 70	8
70 – 80	15
80 – 90	20
90 – 100	11

Ans

✓ 1. 80.5

✗ 2. 83.1

✗ 3. 82.4

✗ 4. 81.2

Question ID : **7518976313**
Option 1 ID : **75189725249**
Option 2 ID : **75189725252**
Option 3 ID : **75189725251**
Option 4 ID : **75189725250**
Status : **Answered**
Chosen Option : **1**

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