



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 2 Mathura Road
Test Date	24/08/2022
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : Level 1

**Q.1** Six girls named P, Q, R, S, T and U are sitting in a straight line. All are facing the north direction. U sits third to the left of R. S sits third to the right of Q. U sits second to the left of Q. T is not the immediate neighbour of U. What is P's position in the line?

- Ans
- ✓ 1. Second from the extreme left end
  - ✗ 2. Third from the extreme left end
  - ✗ 3. At the extreme left end
  - ✗ 4. Third from the extreme right end

Question ID : 7518975140  
Option 1 ID : 75189720557  
Option 2 ID : 75189720559  
Option 3 ID : 75189720558  
Option 4 ID : 75189720560  
Status : Answered  
Chosen Option : 1

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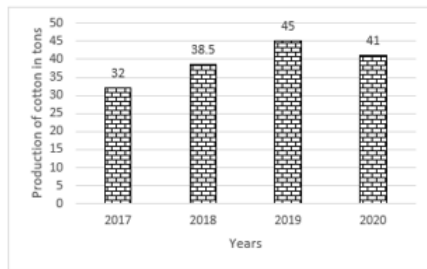


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- Q.2 The following bar graph shows the production of cotton (in tons) over the years.  
Study the graph and answer the question.



What is the approximate percentage increase in the production of cotton in 2020 as compared to 2017?

- Ans
- 1. 26%
  - 2. 30.50%
  - 3. 28.12%
  - 4. 25.05%

Question ID : 7518975121  
Option 1 ID : 75189720481  
Option 2 ID : 75189720484  
Option 3 ID : 75189720483  
Option 4 ID : 75189720482

Status : Answered  
Chosen Option : 3

- Q.3 Which ministry has launched the world's first multicentre phase III clinical trial to assess Ayurveda's efficacy in Rheumatoid Arthritis treatment?

- Ans
- 1. Ministry of Ayush
  - 2. Ministry of Science and Technology
  - 3. Ministry of Chemicals and Fertilizers
  - 4. Ministry of Health and Family Welfare

Question ID : 7518974150  
Option 1 ID : 75189716598  
Option 2 ID : 75189716600  
Option 3 ID : 75189716599  
Option 4 ID : 75189716597

Status : Answered  
Chosen Option : 4

**Q.4** The table given below shows the number of students who were interviewed and who got selected by the universities A, B, C and D over the years. Study the table and answer the question.

Students \ Years	A		B		C		D	
	Interviewed	Selected	Interviewed	Selected	Interviewed	Selected	Interviewed	Selected
2017	1500	700	1200	800	1800	1000	1200	750
2018	1600	800	1500	600	2000	1120	1400	460
2019	2200	900	2000	680	1800	1100	2000	500
2020	1500	950	1600	700	1800	1200	1500	450
2021	1100	400	1500	490	1300	800	1300	350

In university C, the total number of students selected over the years was approximately what percentage of the total number of students who were interviewed over the years?

- Ans**
- 1. 50%
  - 2. 60%
  - 3. 40%
  - 4. 65%

Question ID : **7518975126**  
 Option 1 ID : **75189720502**  
 Option 2 ID : **75189720503**  
 Option 3 ID : **75189720501**  
 Option 4 ID : **75189720504**  
 Status : **Answered**  
 Chosen Option : **2**

**Q.5** 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 /deleting /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)

(2, 4, 18)

(4, 6, 50)

- Ans**
- 1. (6, 7, 65)
  - 2. (3, 5, 32)
  - 3. (5, 4, 18)
  - 4. (2, 5, 49)

Question ID : **7518975086**  
 Option 1 ID : **75189720343**  
 Option 2 ID : **75189720341**  
 Option 3 ID : **75189720344**  
 Option 4 ID : **75189720342**  
 Status : **Answered**  
 Chosen Option : **2**

**Q.6** 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 condition is your answer.

Number/Symbol	8	=	4	7	@	%	>	2	!	?	5	3	<	9
Code	Z	F	T	J	D	H	E	X	V	W	K	U	P	A

Conditions:

- (i) If the first element is a symbol and the last, a number, the codes for these two are to be interchanged.
- (ii) If the first element is an odd number and the last, an even number, the first and last elements are to be coded as O.
- (iii) If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

How will '3 = < 2 @ 8' be coded?

- Ans**
- 1. O F E D X O
  - 2. O F E X D O
  - 3. O F P X D O
  - 4. O P F X D O

Question ID : 7518975033  
 Option 1 ID : 75189720132  
 Option 2 ID : 75189720129  
 Option 3 ID : 75189720130  
 Option 4 ID : 75189720131  
 Status : Answered  
 Chosen Option : 3

**Q.7** Who became the youngest ever Indian to win a BWF Super 100 tournament, in 2022?

- Ans**
- 1. Mugdha Agrey
  - 2. Unnati Hooda
  - 3. Malvika Bansod
  - 4. Ashmita Chaliha

Question ID : 7518973750  
 Option 1 ID : 75189715000  
 Option 2 ID : 75189714999  
 Option 3 ID : 75189714998  
 Option 4 ID : 75189714997  
 Status : Answered  
 Chosen Option : 2

**Q.8** What is the name of the holy book of Muslims, which describes the relationship between an omnipotent and omniscient God and his creations?

- Ans**
- 1. Quran
  - 2. Sahih al-Bukhari
  - 3. Torah
  - 4. Injil

Question ID : 7518974024  
Option 1 ID : 75189716096  
Option 2 ID : 75189716094  
Option 3 ID : 75189716095  
Option 4 ID : 75189716093  
Status : Answered  
Chosen Option : 1

**Q.9** Rachna can eat 21 oranges in 60 minutes. She wants to know how many minutes it would take her to eat 35 oranges at the same pace?

- Ans**
- 1. 90 min
  - 2. 80 min
  - 3. 120 min
  - 4. 100 min

Question ID : 7518975611  
Option 1 ID : 75189722442  
Option 2 ID : 75189722441  
Option 3 ID : 75189722444  
Option 4 ID : 75189722443  
Status : Answered  
Chosen Option : 4

**Q.10** What is the basic event in reproduction?

- Ans**
- 1. Cell division
  - 2. Replication of DNA
  - 3. Making of proteins
  - 4. Replication of RNA

Question ID : 7518974654  
Option 1 ID : 75189718616  
Option 2 ID : 75189718613  
Option 3 ID : 75189718615  
Option 4 ID : 75189718614  
Status : Answered  
Chosen Option : 1

Q.11 If '+' means '÷', '-' means '+', '×' means '-' and '÷' means '×', then, what will be the value of the following expression?

$$[{\{(12 \times 3) - (2 \div 3)\} + (1 - 4)}] \div 4$$

- Ans
- 1. 12
  - 2. 16
  - 3. 9
  - 4. 8

Question ID : 7518975106  
Option 1 ID : 75189720423  
Option 2 ID : 75189720422  
Option 3 ID : 75189720421  
Option 4 ID : 75189720424  
Status : Answered  
Chosen Option : 1

Q.12 The Nubra, Shyok and Hunza are tributaries of the river \_\_\_\_\_.

- Ans
- 1. Indus
  - 2. Sutlej
  - 3. Ganga
  - 4. Brahmaputra

Question ID : 7518976494  
Option 1 ID : 75189725974  
Option 2 ID : 75189725976  
Option 3 ID : 75189725973  
Option 4 ID : 75189725975  
Status : Answered  
Chosen Option : 2

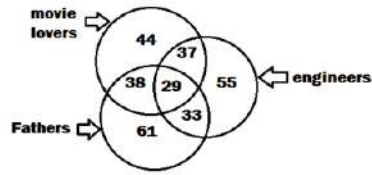
Q.13 In which year did the Indian government conduct its first nuclear test in the deserts of Pokhran?

- Ans
- 1. 1962
  - 2. 1974
  - 3. 1981
  - 4. 1968

Question ID : 7518974168  
Option 1 ID : 75189716671  
Option 2 ID : 75189716672  
Option 3 ID : 75189716670  
Option 4 ID : 75189716669  
Status : Answered  
Chosen Option : 2



Q.14 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



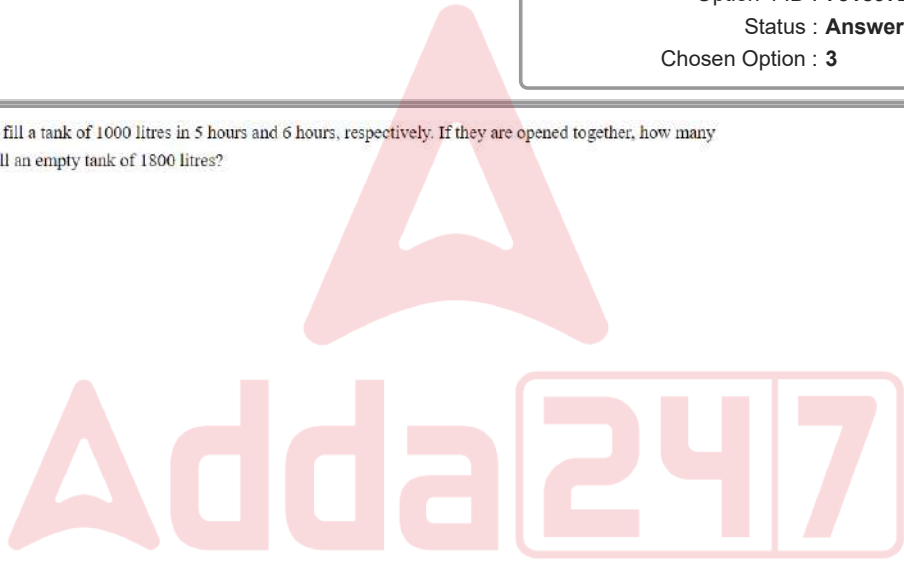
How many such fathers are there who are also movie lovers but NOT engineers?

- Ans
- 1. 61
  - 2. 29
  - 3. 38
  - 4. 44

Question ID : 7518975184  
 Option 1 ID : 75189720736  
 Option 2 ID : 75189720733  
 Option 3 ID : 75189720735  
 Option 4 ID : 75189720734  
 Status : Answered  
 Chosen Option : 3

Q.15 Two pipes, A and B, can fill a tank of 1000 litres in 5 hours and 6 hours, respectively. If they are opened together, how many hours will they take to fill an empty tank of 1800 litres?

- Ans
- 1.  $\frac{25}{11}$
  - 2.  $\frac{54}{11}$
  - 3.  $\frac{45}{11}$
  - 4.  $\frac{52}{11}$



Question ID : 7518975886  
 Option 1 ID : 75189723543  
 Option 2 ID : 75189723541  
 Option 3 ID : 75189723544  
 Option 4 ID : 75189723542  
 Status : Answered  
 Chosen Option : 2



Q.16

बोरदोईसिला (Bordoisila) तूफान, इनमें से किस भारतीय राज्य में उठता है?

Ans

- ✓ 1. असम
- ✗ 2. महाराष्ट्र
- ✗ 3. मध्य प्रदेश
- ✗ 4. केरल

Question ID : 7518973895  
Option 1 ID : 75189715579  
Option 2 ID : 75189715578  
Option 3 ID : 75189715580  
Option 4 ID : 75189715577  
Status : Not Answered  
Chosen Option : --

Q.17 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:

Some hotels are dormitories.

Some gates are shelters.

All shelters are fences.

Conclusions:

(I) Some gates are dormitories.

(II) Some fences are gates.

(III) Some hotels are shelters.

Ans

- ✗ 1. Only conclusion I follows
- ✗ 2. None of the conclusions follow
- ✓ 3. Only conclusion II follows
- ✗ 4. Either conclusion I or conclusion III follows

Question ID : 7518974927  
Option 1 ID : 75189719705  
Option 2 ID : 75189719708  
Option 3 ID : 75189719706  
Option 4 ID : 75189719707  
Status : Answered  
Chosen Option : 3

Q.18 The First Finance Commission was constituted vide Presidential Order dated 22.11.1951 under the chairmanship of \_\_\_\_\_.

- Ans
- 1. YV Reddy
  - 2. KC Neogy
  - 3. Vijay Kelkar
  - 4. C Rangarajan

Question ID : 7518974246  
Option 1 ID : 75189716982  
Option 2 ID : 75189716983  
Option 3 ID : 75189716981  
Option 4 ID : 75189716984  
Status : Answered  
Chosen Option : 2

Q.19 In January 2022, which of these IITs launched the Global Center of Excellence in Affordable and Clean Energy (GCoE-ACE)?

- Ans
- 1. IISc Bengaluru
  - 2. IIT Hyderabad
  - 3. IIT Dharwad
  - 4. IIT Roorkee

Question ID : 7518973774  
Option 1 ID : 75189715094  
Option 2 ID : 75189715096  
Option 3 ID : 75189715095  
Option 4 ID : 75189715093  
Status : Not Answered  
Chosen Option : --

**Q.20** Six doctors, K, L, M, N, O and P, are sitting in a straight line. All are facing the north direction. Only O is sitting between N and L. Only P is sitting between L and K. K sits fifth to the right of M. Who is sitting to the immediate right of M?

- Ans**
- 1. O
  - 2. L
  - 3. N
  - 4. P

Question ID : 7518975142  
Option 1 ID : 75189720568  
Option 2 ID : 75189720567  
Option 3 ID : 75189720565  
Option 4 ID : 75189720566  
Status : Answered  
Chosen Option : 3

**Q.21** Which of the following is/are NOT true for ionic compounds?

- i. Ionic compounds have low melting and boiling points.
- ii. Ionic compounds are brittle and break into pieces when pressure is applied.
- iii. Ionic compounds are solids and are somewhat hard because of the strong force of attraction between the positive and negative ions.
- iv. Ionic compounds conduct electricity in the molten state.

- Ans**
- 1. i and ii
  - 2. i and iii
  - 3. i and iv
  - 4. Only i

Question ID : 7518973689  
Option 1 ID : 75189714754  
Option 2 ID : 75189714755  
Option 3 ID : 75189714756  
Option 4 ID : 75189714753  
Status : Not Answered  
Chosen Option : --

**Q.22** Simplify  $\sqrt{625} - \sqrt{324} + 33^2$ .

- Ans**
- 1. 1609
  - 2. 1906
  - 3. 1096
  - 4. 1069

Question ID : 7518975803  
Option 1 ID : 75189723210  
Option 2 ID : 75189723211  
Option 3 ID : 75189723212  
Option 4 ID : 75189723209  
Status : Answered  
Chosen Option : 3

Q.23 Which cultural festival of India is a ten-day festival of classical dance, folk art and light music, and is held every year between February and March at Shilpgram?

- Ans
- ✓ 1. Taj Mahotsav
  - ✗ 2. Hampi Dance Utsav
  - ✗ 3. Natyanjali Utsav
  - ✗ 4. Nishagandhi Festival

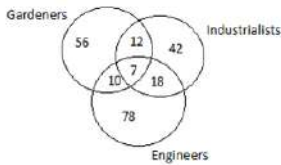
Question ID : 7518973997  
Option 1 ID : 75189715987  
Option 2 ID : 75189715988  
Option 3 ID : 75189715986  
Option 4 ID : 75189715985  
Status : Not Answered  
Chosen Option : --

Q.24 If a substance loses hydrogen during a reaction, it is said to be:

- Ans
- ✗ 1. reduced
  - ✗ 2. decomposed
  - ✗ 3. neutralised
  - ✓ 4. oxidised

Question ID : 7518973607  
Option 1 ID : 75189714425  
Option 2 ID : 75189714427  
Option 3 ID : 75189714428  
Option 4 ID : 75189714426  
Status : Answered  
Chosen Option : 4

**Q.25** Study the given diagram carefully and answer the following question. The numbers in different sections indicate the number of persons with different professions.



How many people are Gardeners but NOT Engineers?

- Ans**
- ✓ 1. 68
  - ✗ 2. 56
  - ✗ 3. 80
  - ✗ 4. 75

Question ID : 7518974948

Option 1 ID : 75189719790

Option 2 ID : 75189719789

Option 3 ID : 75189719792

Option 4 ID : 75189719791

Status : Answered

Chosen Option : 1

**Q.26** A light ray is travelling from air medium to water medium (refractive index = 1.3) such that angle of incidence is x degree and angle of refraction is y degree. The value of ratio  $(\sin y) / (\sin x)$  is:

- Ans**
- ✗ 1. 1.3
  - ✓ 2. 1/1.3
  - ✗ 3. 1
  - ✗ 4. 0.3

Question ID : 7518975416

Option 1 ID : 75189721662

Option 2 ID : 75189721661

Option 3 ID : 75189721663

Option 4 ID : 75189721664

Status : Answered

Chosen Option : 1

Q.27 The value of  $\sqrt{1234321} =$

- Ans
- 1. 1111
  - 2. 121
  - 3. 139
  - 4. 1219

Question ID : 7518975562  
Option 1 ID : 75189722247  
Option 2 ID : 75189722245  
Option 3 ID : 75189722246  
Option 4 ID : 75189722248  
Status : Answered  
Chosen Option : 1

Q.28 What is the measure of each exterior angle of a regular hexagon?

- Ans
- 1.  $120^\circ$
  - 2.  $30^\circ$
  - 3.  $60^\circ$
  - 4.  $45^\circ$

Question ID : 7518975983  
Option 1 ID : 75189723932  
Option 2 ID : 75189723930  
Option 3 ID : 75189723929  
Option 4 ID : 75189723931  
Status : Answered  
Chosen Option : 1

Q.29 Janhvi and Pranitha are standing at the extreme ends of a row in which all the students are facing the north. Only 26 students are standing between Janhvi and Ravi. Only 14 students are standing between Ravi and Pranitha. Total how many students are standing in the line?

- Ans
- 1. 43
  - 2. 44
  - 3. 45
  - 4. 42

Question ID : 7518975146  
Option 1 ID : 75189720582  
Option 2 ID : 75189720583  
Option 3 ID : 75189720584  
Option 4 ID : 75189720581  
Status : Answered  
Chosen Option : 1

**Q.30** In December 2021, who among the following won the Woman of the Year Award by World Athletics for grooming talent and encouraging young girls in India to take up sports and fight for gender equality?

- Ans**
- 1. PU Chitra
  - 2. Shiny Kurisingal Wilson
  - 3. Anju Bobby George
  - 4. PT Usha

Question ID : 7518976506  
Option 1 ID : 75189726023  
Option 2 ID : 75189726024  
Option 3 ID : 75189726022  
Option 4 ID : 75189726021  
Status : Not Answered  
Chosen Option : --

**Q.31** Identify the correct statement(s) from among the following.

- (a) Resistivity of a material is dependent on the nature of the material.
- (b) Resistivity of a material is independent of the area of cross section.
- (c) Resistivity of a pure metal is more than its alloy.

- Ans**
- 1. Only (a)
  - 2. Only (b)
  - 3. Both (a) and (b)
  - 4. Both (b) and (c)

Question ID : 7518975463  
Option 1 ID : 75189721849  
Option 2 ID : 75189721850  
Option 3 ID : 75189721851  
Option 4 ID : 75189721852  
Status : Answered  
Chosen Option : 3

**Q.32** The coefficient of  $x^4y^3$  in the expansion of  $(3x - 2y)^2(x^2 + y^3)^2$  is:

- Ans**
- 1. 14
  - 2. 18
  - 3. 12
  - 4. 15

Question ID : 7518976321  
Option 1 ID : 75189725284  
Option 2 ID : 75189725281  
Option 3 ID : 75189725283  
Option 4 ID : 75189725282  
Status : Answered  
Chosen Option : 2



Q.33 Refer to the following number series and answer the question.

2 5 2 6 5 2 2 6 3 8 9 5 6 3 6 2 2 5 5 3

How many such numbers are there in the series each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- Ans
- 1. 1
  - 2. 3
  - 3. 2
  - 4. 4

Question ID : 7518975003  
Option 1 ID : 75189720009  
Option 2 ID : 75189720011  
Option 3 ID : 75189720010  
Option 4 ID : 75189720012  
Status : Answered  
Chosen Option : 3

Q.34 The laws of reflection hold true for which of the following mirror(s)?

- (A) Concave mirror
- (B) Convex mirror
- (C) Plane mirror

- Ans
- 1. Only A and B
  - 2. A, B and C
  - 3. Only B and C
  - 4. Only A and C

Question ID : 7518975348  
Option 1 ID : 75189721389  
Option 2 ID : 75189721392  
Option 3 ID : 75189721390  
Option 4 ID : 75189721391  
Status : Answered  
Chosen Option : 2

**Q.35** Each of the digits in the number 318924765 is arranged in descending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

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

Question ID : 7518974875  
Option 1 ID : 75189719498  
Option 2 ID : 75189719500  
Option 3 ID : 75189719497  
Option 4 ID : 75189719499  
Status : Answered  
Chosen Option : 1

**Q.36** एक फल विक्रेता ₹4,800 में 800 सेब खरीदता है। वह परिवहन पर ₹800 खर्च करता है। उसे प्रत्येक सेब पर ₹10 का लाभ प्राप्त करने के लिए, प्रत्येक सेब को किस मूल्य पर बेचना चाहिए?

- Ans**
- ✓ 1. ₹17
  - ✗ 2. ₹12
  - ✗ 3. ₹76
  - ✗ 4. ₹32

Question ID : 7518975632  
Option 1 ID : 75189722528  
Option 2 ID : 75189722527  
Option 3 ID : 75189722525  
Option 4 ID : 75189722526  
Status : Answered  
Chosen Option : 1

**Q.37** If  $x : 6 :: 6 : y$ , and  $x : y :: y : 6$ , then which of the options below gives the correct values of  $x$  and  $y$ , in that order?

- Ans**
- ✓ 1. 6 and 6
  - ✗ 2. 12 and 12
  - ✗ 3. 6 and 12
  - ✗ 4. 12 and 6

Question ID : 7518975841  
Option 1 ID : 75189723361  
Option 2 ID : 75189723364  
Option 3 ID : 75189723362  
Option 4 ID : 75189723363  
Status : Answered  
Chosen Option : 1

**Q.38** In this question, a statement is followed by two conclusions. Which of the two conclusions is/are true with respect to the statement?

Statement:  $F = E \geq D = A > Z < S = O$

Conclusions:

I.  $F \geq D$

II.  $D < O$

- Ans**
- 1. Only conclusion I is true
  - 2. Neither conclusion I nor II is true
  - 3. Both conclusions I and II are true
  - 4. Only conclusion II is true

Question ID : 7518974959  
 Option 1 ID : 75189719833  
 Option 2 ID : 75189719836  
 Option 3 ID : 75189719835  
 Option 4 ID : 75189719834  
 Status : Answered  
 Chosen Option : 1

**Q.39** This question is based on the five, three-digit numbers given below:  
 (Left) 448 455 275 563 215 (Right)  
 What will be the resultant if the third digit of the largest number is added to the second digit of the smallest number?

- Ans**
- 1. 6
  - 2. 4
  - 3. 3
  - 4. 5

Question ID : 7518975016  
 Option 1 ID : 75189720064  
 Option 2 ID : 75189720062  
 Option 3 ID : 75189720061  
 Option 4 ID : 75189720063  
 Status : Answered  
 Chosen Option : 2

**Q.40** The policy norms for Mission Vatsalya scheme implemented by the Ministry of Women and Child Development have been applicable from the 1<sup>st</sup> of which month in 2022:

- Ans**
- 1. April
  - 2. August
  - 3. March
  - 4. January

Question ID : 7518976525  
 Option 1 ID : 75189726099  
 Option 2 ID : 75189726100  
 Option 3 ID : 75189726098  
 Option 4 ID : 75189726097  
 Status : Not Answered  
 Chosen Option : --

**Q.41** A ray of light is incident on an interface separating two media at an angle of incidence equal to  $45^\circ$ , for which the angle of refraction is  $30^\circ$ . The refractive index of the second medium with respect to first, is equal to:

Ans

1.  $\frac{\sqrt{3}}{2}$

2.  $\frac{1}{\sqrt{2}}$

3.  $\frac{1}{2}$

4.  $\sqrt{2}$

Question ID : 7518975394

Option 1 ID : 75189721576

Option 2 ID : 75189721574

Option 3 ID : 75189721575

Option 4 ID : 75189721573

Status : Answered

Chosen Option : 4

**Q.42** If the mean of the following data is 4, find the missing frequency.

x	3	5	9	2
f	3	4	-	8

Ans  1. 5

2. 4

3. 7

4. 3

Question ID : 7518975678

Option 1 ID : 75189722710

Option 2 ID : 75189722709

Option 3 ID : 75189722712

Option 4 ID : 75189722711

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.43 The value of  $156.025 + 251.216 - 52.156$  is:

- Ans
- 1. 326.327
  - 2. 332.074
  - 3. 355.085
  - 4. 302.152

Question ID : 7518976230  
Option 1 ID : 75189724919  
Option 2 ID : 75189724920  
Option 3 ID : 75189724917  
Option 4 ID : 75189724918  
Status : Answered  
Chosen Option : 3

Q.44 Six friends, Arun, Suresh, Rahul, Priyanka, Dilan and Hiba, took a test online. All of them scored different marks in the test. Suresh scored more than Priyanka but less than Arun. Hiba scored the least. Dilan scored less than Rahul. Arun scored more than Priyanka and Rahul. Who among the six scored the most?

- Ans
- 1. Rahul
  - 2. Priyanka
  - 3. Arun
  - 4. Suresh

Question ID : 7518974972  
Option 1 ID : 75189719887  
Option 2 ID : 75189719888  
Option 3 ID : 75189719886  
Option 4 ID : 75189719885  
Status : Answered  
Chosen Option : 3

Q.45 The manufacturing of refrigerators that do not release chlorofluorocarbons has been made mandatory throughout the world. How will this help to prevent ozone depletion?

- Ans
- 1. It will reduce the release of CFCs that react with ozone molecules.
  - 2. It will help convert oxygen molecules into ozone.
  - 3. CFCs will change into ozone molecules.
  - 4. It will reduce the production of CFCs from oxygen molecules.

Question ID : 7518974667  
Option 1 ID : 75189718668  
Option 2 ID : 75189718665  
Option 3 ID : 75189718666  
Option 4 ID : 75189718667  
Status : Answered  
Chosen Option : 1

Q.46 The 'Archaeological Survey of India' is headquartered in which of the following cities?

- Ans
- 1. Kolkata
  - 2. Chandigarh
  - 3. Mumbai
  - 4. New Delhi

Question ID : 7518974185  
Option 1 ID : 75189716737  
Option 2 ID : 75189716740  
Option 3 ID : 75189716739  
Option 4 ID : 75189716738  
Status : Answered  
Chosen Option : 4

Q.47 How many tiers of administration are there in the Panchayati Raj Institutions (in states having a population more than 2 million)?

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

Question ID : 7518974308  
Option 1 ID : 75189717230  
Option 2 ID : 75189717229  
Option 3 ID : 75189717232  
Option 4 ID : 75189717231  
Status : Answered  
Chosen Option : 1

Q.48 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.

STM : RUL

PJR : OKQ

- Ans
- 1. VEW : UDV
  - 2. MTL : LUM
  - 3. TCS : SDR
  - 4. BUP : AVQ

Question ID : 7518974853  
Option 1 ID : 75189719412  
Option 2 ID : 75189719409  
Option 3 ID : 75189719410  
Option 4 ID : 75189719411  
Status : Answered  
Chosen Option : 2

Q.49 कोशिका के \_\_\_\_\_ में, ग्लूकोज से पाइरुवेट बनता है।

- Ans
- 1. कोशिकाद्रव्य
  - 2. राइबोसोम
  - 3. माइटोकॉन्ड्रिया
  - 4. केंद्रक

Question ID : 7518974332  
Option 1 ID : 75189717325  
Option 2 ID : 75189717327  
Option 3 ID : 75189717328  
Option 4 ID : 75189717326  
Status : Not Answered  
Chosen Option : --

Q.50 The magnetic field lines inside a bar magnet are directed from:

- Ans
- 1. south pole to north pole
  - 2. centre to south pole
  - 3. centre to north pole
  - 4. north pole to south pole

Question ID : 7518975512  
Option 1 ID : 75189722046  
Option 2 ID : 75189722048  
Option 3 ID : 75189722047  
Option 4 ID : 75189722045  
Status : Answered  
Chosen Option : 4

Q.51 Which of the following in Indian Constitution has been taken from the Constitution of the United States?

- Ans
- 1. Procedure Established by Law
  - 2. Fundamental Rights
  - 3. Parliamentary Government
  - 4. Fundamental Duties

Question ID : 7518974290  
Option 1 ID : 75189717158  
Option 2 ID : 75189717160  
Option 3 ID : 75189717157  
Option 4 ID : 75189717159  
Status : Answered  
Chosen Option : 2



Q.52 What aids in preventing the mixing of oxygen-rich and carbon dioxide-rich blood in the heart?

- Ans  1. The wall between the chambers  
 2. Pulmonary valve  
 3. Tricuspid valve  
 4. Aortic valve

Question ID : 7518974391

Option 1 ID : 75189717564

Option 2 ID : 75189717562

Option 3 ID : 75189717561

Option 4 ID : 75189717563

Status : Answered

Chosen Option : 1

Q.53 इस प्रश्न में, संख्याओं/प्रतीकों के एक समूह को नीचे दी गई तालिका और उसके बाद दी गई शर्तों के अनुसार अक्षरों का उपयोग करके कूटबद्ध किया गया है। शर्तों के अनुसार कूटों का सही संयोजन आपका उत्तर होगा।

संख्या/प्रतीक	^	#	5	7	@	%	>	2	!	?	4	8	\$	3
कूट	L	F	B	J	D	H	E	X	V	Z	K	U	R	P

शर्तें:

यदि पहला तत्व एक प्रतीक है, और अंतिम तत्व एक संख्या है, तो इन दोनों के कूटों को परस्पर बदला जाना चाहिए।

यदि पहला तत्व एक विषम संख्या है, तो पहले और अंतिम तत्वों को क्रमशः  $\emptyset$  और  $\neq$  के रूप में कूटबद्ध किया जाएगा।

यदि दूसरे और तीसरे तत्व, दोनों पूर्ण वर्ग हैं, तो तीसरे तत्व को दूसरे तत्व के कूट के रूप में कूटबद्ध किया जाएगा।

'7 # ^ 2 !' को किस प्रकार कूटबद्ध किया जाएगा?

- Ans  1.  $\emptyset$  F L X  $\neq$   
 2. J F L X  $\neq$   
 3. J B F V Z  
 4.  $\emptyset$  F L X V

Question ID : 7518975029

Option 1 ID : 75189720115

Option 2 ID : 75189720114

Option 3 ID : 75189720113

Option 4 ID : 75189720116

Status : Answered

Chosen Option : 1

**Q.54** How many Prime Ministers of India have been elected upto June 2022, who were also Chief Ministers of their respective states?

**Ans**

1. 8

2. 10

3. 9

4. 6

Question ID : 7518973930

Option 1 ID : 75189715718

Option 2 ID : 75189715720

Option 3 ID : 75189715717

Option 4 ID : 75189715719

Status : Not Answered

Chosen Option : --

**Q.55** 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.

Q W \_ R \_ X E \_ Q \_ E R Q Z E \_

**Ans**  1. EQRER

2. EQRYE

3. EQRYR

4. EQZYR

Question ID : 7518974977

Option 1 ID : 75189719908

Option 2 ID : 75189719907

Option 3 ID : 75189719906

Option 4 ID : 75189719905

Status : Answered

Chosen Option : 1

Q.56 If the average of two numbers is 26 and one of them is 12, then find the other number.

- Ans
- 1. 52
  - 2. 20
  - 3. 14
  - 4. 40

Question ID : 7518975927  
Option 1 ID : 75189723708  
Option 2 ID : 75189723706  
Option 3 ID : 75189723705  
Option 4 ID : 75189723707  
Status : Answered  
Chosen Option : 4

Q.57 एक पिता की आयु, उसके पुत्र की आयु की सात गुनी है। अब से तीन वर्ष बाद, पिता की आयु उसके पुत्र की आयु की पांच गुनी हो जाएगी। पिता की वर्तमान आयु कितनी है?

- Ans
- 1. 36 वर्ष
  - 2. 39 वर्ष
  - 3. 45 वर्ष
  - 4. 42 वर्ष

Question ID : 7518976336  
Option 1 ID : 75189725344  
Option 2 ID : 75189725343  
Option 3 ID : 75189725341  
Option 4 ID : 75189725342  
Status : Answered  
Chosen Option : 4

Q.58 The floor of an office has dimensions  $5\text{ m} \times 3\text{ m}$ . The cost of painting the walls and ceiling is ₹7,440 at the rate of ₹60/m<sup>2</sup>. Find the height of the room (in m), (rounded off to one decimal place)

- Ans
- 1. 4.5
  - 2. 5.6
  - 3. 3.5
  - 4. 6.8

Question ID : 7518976194  
Option 1 ID : 75189724774  
Option 2 ID : 75189724775  
Option 3 ID : 75189724776  
Option 4 ID : 75189724773  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.59** Fleming's right-hand rule can be used to determine the direction of induced current when the angle between the magnetic field and the motion of the conductor is:

- Ans**
- ✓ 1.  $90^\circ$
  - ✗ 2.  $30^\circ$
  - ✗ 3.  $180^\circ$
  - ✗ 4.  $0^\circ$

Question ID : 7518975546  
Option 1 ID : 75189722183  
Option 2 ID : 75189722182  
Option 3 ID : 75189722184  
Option 4 ID : 75189722181  
Status : Answered  
Chosen Option : 1

**Q.60** The Central Government of India has reduced Agricultural Infrastructure Development Cess (AIDC) on Crude Palm Oil (CPO) from 7.5% to \_\_\_\_\_ with effect from 12<sup>th</sup> February 2022.

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

Question ID : 7518973847  
Option 1 ID : 75189715388  
Option 2 ID : 75189715385  
Option 3 ID : 75189715387  
Option 4 ID : 75189715386  
Status : Not Answered  
Chosen Option : --

Q.61 Which of the following numbers will replace the question mark (?) in the given series?

5, 6, 10, 12, 15, ?, 20, 24

- Ans
- 1. 21
  - 2. 20
  - 3. 18
  - 4. 19

Question ID : 7518974856  
Option 1 ID : 75189719422  
Option 2 ID : 75189719423  
Option 3 ID : 75189719424  
Option 4 ID : 75189719421  
Status : Answered  
Chosen Option : 3

Q.62 8118 is divisible by:

- Ans
- 1. 6
  - 2. 8
  - 3. 5
  - 4. 7

Question ID : 7518975810  
Option 1 ID : 75189723238  
Option 2 ID : 75189723240  
Option 3 ID : 75189723237  
Option 4 ID : 75189723239  
Status : Answered  
Chosen Option : 1

Q.63 भारत के किस राज्य में पेयजल के भंडारण के लिए 'खड़ीन (Khadins)' बनाए जाते हैं?

- Ans
- 1. पश्चिम बंगाल
  - 2. राजस्थान
  - 3. कर्नाटक
  - 4. गुजरात

Question ID : 7518974502  
Option 1 ID : 75189718005  
Option 2 ID : 75189718007  
Option 3 ID : 75189718008  
Option 4 ID : 75189718006  
Status : Answered  
Chosen Option : 2

**Q.64** A dealer sold three-fifth of his goods at a gain of 25% and the remaining at cost price. What is his loss or gain percent in the whole transaction?

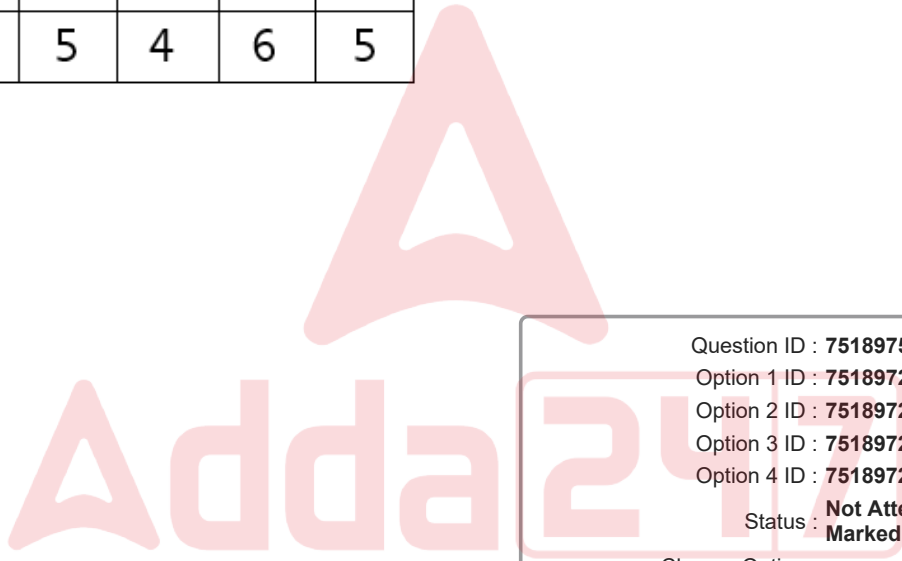
- Ans**
- 1. 15% gain
  - 2. 18% loss
  - 3. 18% gain
  - 4. 15% loss

Question ID : 7518976281  
 Option 1 ID : 75189725124  
 Option 2 ID : 75189725121  
 Option 3 ID : 75189725122  
 Option 4 ID : 75189725123  
 Status : Answered  
 Chosen Option : 1

**Q.65** Find the arithmetic mean of the given data.

$x$	10	20	30	40	50
$f$	5	5	4	6	5

- Ans**
- 1. 26.4
  - 2. 30.6
  - 3. 30.4
  - 4. 16.4



Question ID : 7518975898  
 Option 1 ID : 75189723591  
 Option 2 ID : 75189723590  
 Option 3 ID : 75189723589  
 Option 4 ID : 75189723592  
 Status : Not Attempted and Marked For Review  
 Chosen Option : --

**Q.66** Which of the following is the INCORRECT feature related to animal reproduction?

- Ans**
- 1. Seminal vesicle is a gland present in human males
  - 2. Regeneration is not the same as reproduction
  - 3. In Amoeba, splitting of two cells takes place in any plane
  - 4. Fertilisation of egg takes place in the uterus in human female

Question ID : 7518974614  
 Option 1 ID : 75189718455  
 Option 2 ID : 75189718453  
 Option 3 ID : 75189718454  
 Option 4 ID : 75189718456  
 Status : Answered  
 Chosen Option : 4

**Q.67** If each of the digits in the number given below is arranged in the descending order from left to right, what will be the sum of the digits that are second from the left and third from the right in the new number thus formed?

(Left) 259812357 (Right)

- Ans**
- 1. 12
  - 2. 8
  - 3. 10
  - 4. 11

Question ID : 7518975315  
 Option 1 ID : 75189721260  
 Option 2 ID : 75189721257  
 Option 3 ID : 75189721258  
 Option 4 ID : 75189721259  
 Status : Answered  
 Chosen Option : 3

**Q.68** The number of solutions to the pair of linear equations  $5x - 3y = 7$  and  $7x + 4y = 18$  is:

- Ans**
- 1. infinite
  - 2. three
  - 3. one
  - 4. none

Question ID : 7518976324  
 Option 1 ID : 75189725295  
 Option 2 ID : 75189725296  
 Option 3 ID : 75189725293  
 Option 4 ID : 75189725294  
 Status : Answered  
 Chosen Option : 4

**Q.69** If one root of the equation  $(a + 3)x^2 - 13ax + 7 - a = 0$  is the reciprocal of the other, then the value of  $a$  is:

- Ans**
- 1. 2
  - 2. -3
  - 3. 3
  - 4. -2

Question ID : 7518976345  
 Option 1 ID : 75189725379  
 Option 2 ID : 75189725378  
 Option 3 ID : 75189725380  
 Option 4 ID : 75189725377  
 Status : Answered  
 Chosen Option : 3



**Q.70** As of July 2022, under the 'Nai Manzil' Scheme of the Ministry of Minority Affairs, the participant will get non-residential integrated education and skill training programme for 9 to 12 months of which a minimum \_\_\_\_\_ months should be devoted to skill training.

- Ans**
- 1. four
  - 2. three
  - 3. two
  - 4. five

Question ID : 7518976545  
Option 1 ID : 75189726179  
Option 2 ID : 75189726178  
Option 3 ID : 75189726177  
Option 4 ID : 75189726180  
Status : Not Answered  
Chosen Option : --

**Q.71** Refer to the following letter, number and symbol series and answer the question.

(Left) 4 T 6 S 2 A D & C E 2 4 + & 7 6 U 5 H U K 8 E W @ E A & P (Right)

How many such vowels are there in the series which are immediately preceded by a number and also immediately followed by a consonant?

- Ans**
- 1. Two
  - 2. Three
  - 3. One
  - 4. None

Question ID : 7518975227  
Option 1 ID : 75189720907  
Option 2 ID : 75189720908  
Option 3 ID : 75189720906  
Option 4 ID : 75189720905  
Status : Answered  
Chosen Option : 1

**Q.72** Which of the following numbers will replace the question mark (?) in the given series?

9, 10, 22, 69, 280, ?

- Ans**
- 1. 1405
  - 2. 1450
  - 3. 576
  - 4. 560

Question ID : 7518975287  
Option 1 ID : 75189721147  
Option 2 ID : 75189721148  
Option 3 ID : 75189721146  
Option 4 ID : 75189721145  
Status : Answered  
Chosen Option : 1

Q.73 Which of the following compounds possesses the highest boiling point?

- Ans
- 1. Methane
  - 2. Acetic acid
  - 3. Ethanol
  - 4. Chloroform

Question ID : 7518973393  
Option 1 ID : 75189713569  
Option 2 ID : 75189713570  
Option 3 ID : 75189713572  
Option 4 ID : 75189713571  
Status : Answered  
Chosen Option : 2

Q.74 5 ml of a solution of NaOH is found to be completely neutralised by 5 ml of a given solution of HCl. If we take 10 ml of the same solution of NaOH, the amount of HCl solution required to neutralise it will be:

- Ans
- 1. 5 ml
  - 2. 10 ml
  - 3. 2.5 ml
  - 4. 15 ml

Question ID : 7518973604  
Option 1 ID : 75189714415  
Option 2 ID : 75189714416  
Option 3 ID : 75189714414  
Option 4 ID : 75189714413  
Status : Answered  
Chosen Option : 2

Q.75 Vishal is standing in a park facing the south direction. He then turns  $90^\circ$  clockwise on the same point. After that, he turns  $45^\circ$  clockwise. In which direction is he facing now?

- Ans
- 1. North-west
  - 2. South-west
  - 3. North-east
  - 4. South-east

Question ID : 7518975258  
Option 1 ID : 75189721031  
Option 2 ID : 75189721029  
Option 3 ID : 75189721030  
Option 4 ID : 75189721032  
Status : Answered  
Chosen Option : 1

**Q.76** A current of 5 A flows through a conductor having resistance  $2 \Omega$ . The potential difference (in volt) across the ends of the conductor is:

- Ans**
- 1. 3
  - 2. 7
  - 3. 2.5
  - 4. 10

Question ID : 7518975449  
 Option 1 ID : 75189721794  
 Option 2 ID : 75189721795  
 Option 3 ID : 75189721793  
 Option 4 ID : 75189721796  
 Status : Answered  
 Chosen Option : 4

**Q.77** 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.

27 : 140 :: 22 : 115 :: 32 : ?

- Ans**
- 1. 155
  - 2. 165
  - 3. 130
  - 4. 140

Question ID : 7518974860  
 Option 1 ID : 75189719440  
 Option 2 ID : 75189719438  
 Option 3 ID : 75189719439  
 Option 4 ID : 75189719437  
 Status : Answered  
 Chosen Option : 2

**Q.78** यदि 2 वर्ष पहले रवि ने मोनू से 4% वार्षिक चक्रवृद्धि ब्याज की दर पर ₹3,000 की राशि उधार ली थी, तो उसे चुकाने के लिए रवि द्वारा मोनू को कुल कितनी राशि का भुगतान करना होगा?

- Ans**
- 1. ₹3,453.90
  - 2. ₹2,344.80
  - 3. ₹4,321
  - 4. ₹3,244.80

Question ID : 7518975618  
 Option 1 ID : 75189722470  
 Option 2 ID : 75189722469  
 Option 3 ID : 75189722472  
 Option 4 ID : 75189722471  
 Status : Answered  
 Chosen Option : 4

Q.79 Find the least six-digit number that is exactly divisible by 8, 10, 12 and 16.

- Ans
- 1. 100040
  - 2. 100020
  - 3. 100060
  - 4. 100080

Question ID : 7518976042  
Option 1 ID : 75189724166  
Option 2 ID : 75189724165  
Option 3 ID : 75189724167  
Option 4 ID : 75189724168  
Status : Answered  
Chosen Option : 4

Q.80 What will be the next homologous series member of compound  $C_6H_{10}$ ?

- Ans
- 1.  $C_7H_{16}$
  - 2.  $C_7H_{10}$
  - 3.  $C_7H_{14}$
  - 4.  $C_7H_{12}$

Question ID : 7518973406  
Option 1 ID : 75189713624  
Option 2 ID : 75189713621  
Option 3 ID : 75189713623  
Option 4 ID : 75189713622  
Status : Answered  
Chosen Option : 4

Q.81 छः डिब्बों - A, B, C, D, E और F को एक ऊर्ध्वाधर स्तंभ में व्यवस्थित किया गया है, किंतु उनका इसी क्रम में होना अनिवार्य नहीं है। B को ऊपर से दूसरे स्थान पर रखा गया है। केवल D को A और B के बीच रखा गया है। E, D के नीचे किसी एक स्थान पर है, और E और D के बीच केवल एक डिब्बा रखा गया है। F सबसे निचले स्थान पर नहीं है। कौन सा डिब्बा नीचे से दूसरे स्थान पर रखा गया है?

- Ans
- 1. D
  - 2. A
  - 3. C
  - 4. E

Question ID : 7518974736  
Option 1 ID : 75189718941  
Option 2 ID : 75189718943  
Option 3 ID : 75189718942  
Option 4 ID : 75189718944  
Status : Answered  
Chosen Option : 4

Q.82 Find the total surface area of a cylinder whose radius of base is 7 cm and height is 15 cm.

- Ans
- 1.  $830\pi \text{ cm}^2$
  - 2.  $380\pi \text{ cm}^2$
  - 3.  $308\pi \text{ cm}^2$
  - 4.  $803\pi \text{ cm}^2$

Question ID : 7518975974  
 Option 1 ID : 75189723896  
 Option 2 ID : 75189723894  
 Option 3 ID : 75189723893  
 Option 4 ID : 75189723895  
 Status : Answered  
 Chosen Option : 3

Q.83 एक कथन और उसके बाद दो धारणाएं I और II दी गई हैं। आपको कथन में दी गई जानकारी को सत्य मानते हुए यह बताना है कि दी गई धारणाओं में से कौन सी धारणाएं कथन में निहित हैं?

कथन:

परिवहन कर्मियों की हड़ताल के कारण बस सेवाएं पूरी तरह ठप हो गईं, जिसकी वजह से लोग अपने कार्यस्थलों पर नहीं पहुंच सके।

धारणा:

- I. नागरिकों को मेट्रो रेल सेवाओं का अधिक उपयोग करना चाहिए।
- II. बहुत से लोग अपने कार्यस्थल पर जाने के लिए बस सेवाओं पर निर्भर हैं।

- Ans
- 1. न तो धारणा I और न ही II निहित है
  - 2. केवल धारणा I निहित है
  - 3. धारणा I और II, दोनों निहित हैं
  - 4. केवल धारणा II निहित है

Question ID : 7518976404  
 Option 1 ID : 75189725615  
 Option 2 ID : 75189725613  
 Option 3 ID : 75189725616  
 Option 4 ID : 75189725614  
 Status : Answered  
 Chosen Option : 4

Q.84 In which year was the first Economic Survey presented as part of the Union Budget?

- Ans
- 1. 1947-48
  - 2. 1960-61
  - 3. 1950-51
  - 4. 1953-54

Question ID : 7518974042  
Option 1 ID : 75189716165  
Option 2 ID : 75189716168  
Option 3 ID : 75189716166  
Option 4 ID : 75189716167  
Status : Answered  
Chosen Option : 3

Q.85 श्वास रंध्र निम्नलिखित में से किस प्राणी में पाए जाते हैं?

- Ans
- 1. मनुष्य
  - 2. मछली
  - 3. केंचुए
  - 4. तिलचिड्ढा

Question ID : 7518974386  
Option 1 ID : 75189717542  
Option 2 ID : 75189717543  
Option 3 ID : 75189717541  
Option 4 ID : 75189717544  
Status : Answered  
Chosen Option : 4

Q.86 Which of the following years was a leap year?

- Ans
- 1. 2006
  - 2. 2002
  - 3. 2018
  - 4. 2012

Question ID : 7518976420  
Option 1 ID : 75189725678  
Option 2 ID : 75189725677  
Option 3 ID : 75189725680  
Option 4 ID : 75189725679  
Status : Answered  
Chosen Option : 4

Q.87 Identify the INCORRECT order for the number of valence shell electrons.

- Ans
- 1.  $\text{Li} < \text{Be} < \text{B} < \text{C} < \text{N}$
  - 2.  $\text{Al} < \text{P} < \text{Si} < \text{S} < \text{Cl}$
  - 3.  $\text{Na} < \text{Mg} < \text{Al} < \text{P} < \text{Ar}$
  - 4.  $\text{B} < \text{N} < \text{O} < \text{F} < \text{Ne}$

Question ID : 7518973717  
Option 1 ID : 75189714866  
Option 2 ID : 75189714865  
Option 3 ID : 75189714867  
Option 4 ID : 75189714868  
Status : Not Answered  
Chosen Option : --

Q.88 From total \_\_\_\_\_ elements, \_\_\_\_\_ elements were discovered through laboratory processes.

- Ans
- 1. 114, 22
  - 2. 114, 20
  - 3. 118, 26
  - 4. 118, 24

Question ID : 7518973697  
Option 1 ID : 75189714785  
Option 2 ID : 75189714787  
Option 3 ID : 75189714788  
Option 4 ID : 75189714786  
Status : Answered  
Chosen Option : 4

Q.89

On which river is India's smallest river island Umananda situated?

- Ans
- 1. Ganga River
  - 2. Saraswati River
  - 3. Yamuna River
  - 4. Brahmaputra River

Question ID : 7518973907  
Option 1 ID : 75189715626  
Option 2 ID : 75189715627  
Option 3 ID : 75189715625  
Option 4 ID : 75189715628  
Status : Answered  
Chosen Option : 1



Q.90 \_\_\_\_\_ is the chemical name of washing soda.

- Ans
- 1. Sodium carbonate tetrahydrate
  - 2. Sodium carbonate pentahydrate
  - 3. Sodium carbonate decahydrate
  - 4. Sodium carbonate trihydrate

Question ID : 7518973481  
Option 1 ID : 75189713923  
Option 2 ID : 75189713922  
Option 3 ID : 75189713924  
Option 4 ID : 75189713921  
Status : Answered  
Chosen Option : 3

Q.91 All 65 students of a class are standing in a row facing the north. Amrit is 46<sup>th</sup> from the extreme left end of the row, whereas Kashvi is 14<sup>th</sup> from the extreme right end. How many students are standing between Amrit and Kashvi?

- Ans
- 1. 6
  - 2. 7
  - 3. 5
  - 4. 4

Question ID : 7518975144  
Option 1 ID : 75189720575  
Option 2 ID : 75189720576  
Option 3 ID : 75189720574  
Option 4 ID : 75189720573  
Status : Answered  
Chosen Option : 4

**Q.92** Identify the correct relation between radius of curvature 'R', object distance 'u' and image distance 'v' for a spherical mirror.

**Ans**

✗ 1.  $R = \frac{uv}{2(u+v)}$

✓ 2.  $R = \frac{2uv}{u+v}$

✗ 3.  $R = \frac{(u+v)}{2uv}$

✗ 4.  $R = \frac{2(u+v)}{uv}$

Question ID : 7518975387  
Option 1 ID : 75189721546  
Option 2 ID : 75189721545  
Option 3 ID : 75189721548  
Option 4 ID : 75189721547

Status : Answered

Chosen Option : 2

**Q.93** Sujata is standing in a park facing the east direction. She then turns  $135^\circ$  anticlockwise. After that, she turns  $90^\circ$  anticlockwise. Then, she turns  $45^\circ$  clockwise. In which direction is she facing now?

**Ans** ✗ 1. East

✓ 2. West

✗ 3. South-west

✗ 4. North-west

Question ID : 7518975263  
Option 1 ID : 75189721049  
Option 2 ID : 75189721051  
Option 3 ID : 75189721052  
Option 4 ID : 75189721050

Status : Answered

Chosen Option : 2

Q.94 Which of the following is NOT a quadrilateral?

- Ans
- 1. Trapezium
  - 2. Parallelogram
  - 3. Circle
  - 4. Rhombus

Question ID : 7518975991  
 Option 1 ID : 75189723964  
 Option 2 ID : 75189723961  
 Option 3 ID : 75189723963  
 Option 4 ID : 75189723962  
 Status : Answered  
 Chosen Option : 3

Q.95 Two resistors  $R_1$  and  $R_2$  with resistances  $2\ \Omega$  and  $3\ \Omega$ , respectively, are connected in series to a  $15V$  battery source. The current across  $R_2$  (in A) is:

- Ans
- 1. 5
  - 2. 3
  - 3. 7.5
  - 4. 15

Question ID : 7518975452  
 Option 1 ID : 75189721807  
 Option 2 ID : 75189721805  
 Option 3 ID : 75189721806  
 Option 4 ID : 75189721808  
 Status : Answered  
 Chosen Option : 2

Q.96 Find the value of  $\frac{\sin^2\theta - \sin^4\theta + 1}{1 - \sin^2\theta} + \frac{1 - \tan^2\theta - \tan^4\theta}{1 + \tan^2\theta}$ .

- Ans
- 1. 1
  - 2. -1
  - 3. 0
  - 4. 2

Question ID : 7518976218  
 Option 1 ID : 75189724871  
 Option 2 ID : 75189724869  
 Option 3 ID : 75189724870  
 Option 4 ID : 75189724872  
 Status : Answered  
 Chosen Option : 4

Q.97 Which of the following is NOT true about the demand curve?

- Ans
- 1. It reflects the law of demand.
  - 2. It is negatively sloped.
  - 3. It is the plots of quantities demanded at various time.
  - 4. It is the plots of quantities demanded at various price.

Question ID : 7518974215  
Option 1 ID : 75189716857  
Option 2 ID : 75189716859  
Option 3 ID : 75189716860  
Option 4 ID : 75189716858  
Status : Answered  
Chosen Option : 2

Q.98 For what values of  $z$  will the following equation have equal roots?

$$(z + 4)x^2 + (z + 1)x + 1 = 0$$

- Ans
- 1. 2, -3
  - 2. 4, 3
  - 3. 5, -3
  - 4. 2, -5

Question ID : 7518975739  
Option 1 ID : 75189722956  
Option 2 ID : 75189722953  
Option 3 ID : 75189722955  
Option 4 ID : 75189722954  
Status : Answered  
Chosen Option : 1

Q.99 Two pipes A and B can fill a tank in 15 hours and 20 hours, respectively, while a third pipe C can empty the full tank in 30 hours. If all the three pipes operate simultaneously, in how much time will the tank, initially empty, be filled?

- Ans
- 1. 13 hours
  - 2. 12 hours
  - 3. 18 hours
  - 4. 15 hours

Question ID : 7518975887  
Option 1 ID : 75189723546  
Option 2 ID : 75189723545  
Option 3 ID : 75189723548  
Option 4 ID : 75189723547  
Status : Answered  
Chosen Option : 2

Q.100 Cork is impermeable to water and gases because of \_\_\_\_\_ found within its cells.

- Ans
- 1. lignin
  - 2. cutin
  - 3. cellulose
  - 4. suberin

Question ID : 7518974346  
Option 1 ID : 75189717384  
Option 2 ID : 75189717383  
Option 3 ID : 75189717382  
Option 4 ID : 75189717381  
Status : Not Answered  
Chosen Option : --

