



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	Arya Institute of Engineering and Technology
Test Date	01/09/2022
Test Time	5:00 PM - 6:30 PM
Subject	Level 1

* Note

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

- 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 When Mendel studied the inheritance of two traits in the pea plant, in what phenotypic ratio did he get for the plants in F₂ generation?

- Ans
- 1. 9 : 3 : 2 : 2
 - 2. 9 : 3 : 3 : 1
 - 3. 9 : 4 : 2 : 1
 - 4. 9 : 7

Question ID : 7518974638
Option 1 ID : 75189718551
Option 2 ID : 75189718552
Option 3 ID : 75189718550
Option 4 ID : 75189718549

Status : Answered
Chosen Option : 2

Q.2 Which of the following CANNOT be explained using the phenomenon of scattering of light?

- Ans
- 1. Reddening of sun during sunrise
 - 2. Red colour used for danger signals
 - 3. Blue colour of sky
 - 4. Twinkling of stars

Question ID : 7518975441
Option 1 ID : 75189721762
Option 2 ID : 75189721761
Option 3 ID : 75189721763
Option 4 ID : 75189721764

Status : Answered
Chosen Option : 4

Q.3 HARKED is related to RAHDEK in a certain way. In the same way, RACIAL is related to CARLAI. To which of the following is NIMBLE related, following the same logic?

- Ans**
- 1. MINLEB
 - 2. NIMELB
 - 3. MINELB
 - 4. NIMLEB

Question ID : 7518979028
 Option 1 ID : 75189736112
 Option 2 ID : 75189736109
 Option 3 ID : 75189736110
 Option 4 ID : 75189736111
 Status : Answered
 Chosen Option : 3

Q.4 In this question, a statement is followed by four conclusions. Find out which conclusion is true based on the given statement.

Statement:

$H \geq Y < T \leq L = X > W$

Conclusions:

- 1. $H > T$
- 2. $H < T$
- 3. $Y < X$
- 4. $L = W$

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

Question ID : 7518977328
 Option 1 ID : 75189729309
 Option 2 ID : 75189729312
 Option 3 ID : 75189729311
 Option 4 ID : 75189729310
 Status : Answered
 Chosen Option : 3

Q.5 'Loo' winds are usually associated with _____ in India.

- Ans**
- 1. retreating monsoons
 - 2. winter seasons
 - 3. summer seasons
 - 4. advancing monsoons

Question ID : 7518978568
 Option 1 ID : 75189734272
 Option 2 ID : 75189734270
 Option 3 ID : 75189734269
 Option 4 ID : 75189734271
 Status : Answered
 Chosen Option : 3

Q.6 In which year was Bandhan Financial Services, a micro lender based out of Kolkata granted in-principle approval by RBI to start a universal bank?

- Ans**
- 1. 2004
 - 2. 2010
 - 3. 2014
 - 4. 2018

Question ID : 7518976813
Option 1 ID : 75189727249
Option 2 ID : 75189727250
Option 3 ID : 75189727251
Option 4 ID : 75189727252
Status : Not Answered
Chosen Option : --

Q.7 A shopkeeper has the following 3 schemes:

(I) Two successive discounts of 30% and 35%

(II) Buy 6, get 4 free

(III) Buy 5, get 6 free

Which scheme has the maximum discount percentage?

- Ans**
- 1. Only III
 - 2. Only I
 - 3. Only II
 - 4. Both II and III

Question ID : 7518978693
Option 1 ID : 75189734771
Option 2 ID : 75189734769
Option 3 ID : 75189734770
Option 4 ID : 75189734772
Status : Answered
Chosen Option : 1

Q.8 Six girls, P, Q, R, S, T and V, are sitting in a circle, facing the centre of the circle. P sits to the immediate right of Q. S is 3rd to the right of P, and to the immediate left of R. V and T are immediate neighbours. T is second to the left of R. Who is to the immediate left of V?

- Ans**
- 1. S
 - 2. Q
 - 3. P
 - 4. T

Question ID : 7518978947
Option 1 ID : 75189735788
Option 2 ID : 75189735785
Option 3 ID : 75189735786
Option 4 ID : 75189735787
Status : Answered
Chosen Option : 3

Q.9 Consumer theory is how people decide to spend their _____.

- Ans
- 1. relations
 - 2. energy
 - 3. time
 - 4. money

Question ID : 7518977496
Option 1 ID : 75189729981
Option 2 ID : 75189729984
Option 3 ID : 75189729982
Option 4 ID : 75189729983
Status : Answered
Chosen Option : 4

Q.10 From the given numbers 452, 243, 361, 579 and 674, if in each number, the first and the second digits of each number are interchanged, than which of the following will be the highest number?
(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

- Ans
- 1. 361
 - 2. 579
 - 3. 452
 - 4. 674

Question ID : 7518979047
Option 1 ID : 75189736186
Option 2 ID : 75189736187
Option 3 ID : 75189736185
Option 4 ID : 75189736188
Status : Answered
Chosen Option : 4

Q.11 Five persons, P, Q, R, S and T travelled in different months of the same year viz. January, February, March, April and May.
R travelled in February. Only one person travelled between R and S. Only three people travelled between Q and T. T travelled in a month after S. Who among them travelled in May?

- Ans
- 1. Q
 - 2. S
 - 3. T
 - 4. P

Question ID : 7518978190
Option 1 ID : 75189732757
Option 2 ID : 75189732758
Option 3 ID : 75189732759
Option 4 ID : 75189732760
Status : Answered
Chosen Option : 3

Q.12 A unicellular organism has a definite shape, takes food in at a specific spot, and uses hair like cilia to move food to that spot. Identify the organism.

- Ans**
- 1. Paramecium
 - 2. Lice
 - 3. Euglena
 - 4. Plasmodium

Question ID : 7518974572
Option 1 ID : 75189718286
Option 2 ID : 75189718285
Option 3 ID : 75189718288
Option 4 ID : 75189718287
Status : Answered
Chosen Option : 1

Q.13 India's First Five Year Plan covered the period from _____, which mainly focused in the development of the primary sector.

- Ans**
- 1. 1949 to 1954
 - 2. 1947 to 1952
 - 3. 1956 to 1961
 - 4. 1951 to 1956

Question ID : 7518974060
Option 1 ID : 75189716240
Option 2 ID : 75189716238
Option 3 ID : 75189716237
Option 4 ID : 75189716239
Status : Answered
Chosen Option : 4

Q.14 Which gases are evolved during complete decomposition of ferrous sulphate crystals?

- Ans**
- 1. Both SO_2 and SO_3
 - 2. Only SO_3
 - 3. O_2
 - 4. Only SO_2

Question ID : 7518978118
Option 1 ID : 75189732471
Option 2 ID : 75189732470
Option 3 ID : 75189732472
Option 4 ID : 75189732469
Status : Answered
Chosen Option : 1

Q.15 If the product of two numbers, not necessarily distinct from each other, is 25 and their HCF is 5, then their LCM is:

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

Question ID : 7518975825
Option 1 ID : 75189723297
Option 2 ID : 75189723300
Option 3 ID : 75189723299
Option 4 ID : 75189723298
Status : Answered
Chosen Option : 4

Q.16 Select the combination of letters that when placed from left to right in the same sequence in the blanks of the given series will complete the series.

XY_YZ _XY _ABXY _ZAB _YYZA

- Ans**
- 1. YABYZYYXYY
 - 2. YZBYZYXXYB
 - 3. XABYZYYXYB
 - 4. YABYZYYXYB

Question ID : 7518977955
Option 1 ID : 75189731817
Option 2 ID : 75189731820
Option 3 ID : 75189731818
Option 4 ID : 75189731819
Status : Answered
Chosen Option : 4

Q.17 Find the area of a trapezium (in sq. unit) with parallel sides of length 3 unit and 5 unit and the shortest distance between its parallel sides is 6 unit.

- Ans**
- 1. 15
 - 2. 48
 - 3. 24
 - 4. 12

Question ID : 7518976179
Option 1 ID : 75189724716
Option 2 ID : 75189724715
Option 3 ID : 75189724713
Option 4 ID : 75189724714
Status : Answered
Chosen Option : 3

Q.18 Which is the correct formula for median of grouped data?

Consider:

L = lower limit of median class

CF_0 = cumulative frequency of preceding class

F = frequency of median class

H = class width

N = the total of frequency

Ans

✗ 1. $\frac{N}{2} - CF_0 \times H$

✓ 2. $L + \frac{\frac{N}{2} - CF_0}{F} \times H$

✗ 3. $L + \frac{N}{2} - CF_0$

✗ 4. $L + \frac{N}{2} - CF_0 - F \times H$

Question ID : 7518975683
 Option 1 ID : 75189722731
 Option 2 ID : 75189722730
 Option 3 ID : 75189722732
 Option 4 ID : 75189722729

Status : Answered
 Chosen Option : 2

Q.19 Which of the following numbers will replace the question mark (?) in the given series?

99, 101, 104, 109, 116, ?

Ans

✗ 1. 132

✓ 2. 127

✗ 3. 124

✗ 4. 128

Question ID : 7518978302
 Option 1 ID : 75189733205
 Option 2 ID : 75189733208
 Option 3 ID : 75189733207
 Option 4 ID : 75189733206

Status : Answered
 Chosen Option : 2

Q.20 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. Decide which of the given conclusions logically follow(s) from the given statement.

Statements:

All bins are plastics

Some plastics are nylon

Some nylons are green

Conclusions:

(I) Some nylons are plastics

(II) All plastics are bins

(III) Some greens are nylons

- Ans**
- 1. Only conclusion II follows
 - 2. None of the conclusions follow
 - 3. Only conclusions I and III follow
 - 4. Only conclusion I follows

Question ID : 7518977603
Option 1 ID : 75189730410
Option 2 ID : 75189730412
Option 3 ID : 75189730411
Option 4 ID : 75189730409
Status : Answered
Chosen Option : 3

Q.21 The sum of two positive numbers is 45 and their difference is 19. What are the numbers?

- Ans**
- 1. 32, 13
 - 2. 30, 15
 - 3. 25, 20
 - 4. 31, 15

Question ID : 7518975704
Option 1 ID : 75189722814
Option 2 ID : 75189722816
Option 3 ID : 75189722813
Option 4 ID : 75189722815
Status : Answered
Chosen Option : 1

Q.22 Refer to the following letter series and answer the question.

J F V I E J E M V E F O J V E J J V M E X

How many such consonants are there each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- Ans**
- 1. Three
 - 2. Four
 - 3. One
 - 4. Two

Question ID : 7518978254
Option 1 ID : 75189733015
Option 2 ID : 75189733016
Option 3 ID : 75189733013
Option 4 ID : 75189733014
Status : Answered
Chosen Option : 4

Q.23

How many languages are included in the Indo-Aryan language family as per Family-Wise Grouping of The 122 Scheduled and Non-Scheduled Languages - 2001?

Ans

1. 15

2. 25

3. 21

4. 12

Question ID : 7518973822

Option 1 ID : 75189715287

Option 2 ID : 75189715288

Option 3 ID : 75189715286

Option 4 ID : 75189715285

Status : Not Answered

Chosen Option : --

Q.24 The water currents flowing from tropical zones of lower latitudes to higher temperate and sub-polar zones are known as

Ans 1. warm currents

2. cold currents

3. water drift

4. tides

Question ID : 7518978898

Option 1 ID : 75189735590

Option 2 ID : 75189735589

Option 3 ID : 75189735591

Option 4 ID : 75189735592

Status : Answered

Chosen Option : 3

Q.25 An object of size 1.0 cm is placed in front of a concave mirror of focal length 16 cm, at a distance of 24 cm. The image formed is _____ and its height is _____.

Ans 1. erect, 2.0 cm

2. erect, 0.4 cm

3. inverted, 0.4 cm

4. inverted, 2.0 cm

Question ID : 7518976610

Option 1 ID : 75189726438

Option 2 ID : 75189726440

Option 3 ID : 75189726439

Option 4 ID : 75189726437

Status : Answered

Chosen Option : 4

Q.26 At the inauguration of 'Tech NEEV @ 75' in November 2021, Union Minister of State for Science and Technology, Jitendra Singh announced the setting up of 30 STI Hubs in different parts of the country for Scheduled Tribes (STs) by the end of 2022. STI stands for _____.

- Ans**
- 1. Scientific and Technological Investigation
 - 2. Science, Technology and Innovation
 - 3. Special Technological Industry
 - 4. Science, Technology and Industrialization

Question ID : 7518978498
Option 1 ID : 75189733991
Option 2 ID : 75189733989
Option 3 ID : 75189733990
Option 4 ID : 75189733992
Status : Answered
Chosen Option : 2

Q.27 If α and β are the roots of the equation $6x^2 + x - 15 = 0$, where $\alpha > \beta$, then the value of $(\alpha - \beta)$ is:

- Ans**
- 1. $\frac{20}{3}$
 - 2. $\frac{19}{6}$
 - 3. $\frac{1}{6}$
 - 4. $\frac{1}{3}$

Question ID : 7518978451
Option 1 ID : 75189733803
Option 2 ID : 75189733804
Option 3 ID : 75189733801
Option 4 ID : 75189733802
Status : Answered
Chosen Option : 2

Q.28 Baisakhi festival is celebrated in the month of _____ in India.

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

Question ID : 7518977472
Option 1 ID : 75189729885
Option 2 ID : 75189729887
Option 3 ID : 75189729888
Option 4 ID : 75189729886
Status : Answered
Chosen Option : 3

Q.29 A 280 m long train overtakes a man moving at a speed of 8 km/h (in same direction) in 16 seconds. How much time (in seconds) will it take this train to completely cross another 380 m long train, moving in the opposite direction at a speed of 37 km/h?

- Ans**
- 1. 25
 - 2. 28
 - 3. 22
 - 4. 20

Question ID : 7518978399

Option 1 ID : 75189733595

Option 2 ID : 75189733596

Option 3 ID : 75189733594

Option 4 ID : 75189733593

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.30 Pole F is to the north of pole B and west of pole E. Pole R is to the east of pole E and north of pole U. What is the position of pole R with respect to pole B?

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

Question ID : 7518977371

Option 1 ID : 75189729483

Option 2 ID : 75189729481

Option 3 ID : 75189729482

Option 4 ID : 75189729484

Status : **Answered**

Chosen Option : 3

Q.31 In $\triangle ABC$, $DE \parallel AC$, where D and E are the points on sides AB and BC, respectively. If $BD = 4$ cm and $AD = 2\sqrt{2}$ cm, then what is the ratio of the area of $\triangle BDE$ to the trapezium ADEC?

- Ans**
- 1. $2 : (1 + \sqrt{2})$
 - 2. $2 : (1 + 2\sqrt{2})$
 - 3. $2 : (1 + 3\sqrt{2})$
 - 4. $1 : (1 + 2\sqrt{2})$

Question ID : 7518978476

Option 1 ID : 75189733903

Option 2 ID : 75189733904

Option 3 ID : 75189733901

Option 4 ID : 75189733902

Status : **Answered**

Chosen Option : 2

Q.32 All 50 students of a class are standing in a straight row facing north. Rakesh is 17th from the right end, while Kamlesh is 22nd from the left end. How many students are standing between Rakesh and Kamlesh?

- Ans**
- 1. 11
 - 2. 16
 - 3. 5
 - 4. 8

Question ID : 7518978179
Option 1 ID : 75189732713
Option 2 ID : 75189732715
Option 3 ID : 75189732714
Option 4 ID : 75189732716
Status : Answered
Chosen Option : 1

Q.33 If an exterior angle of a regular polygon is 40° , then the number of sides in the regular polygon is:

- Ans**
- 1. 10
 - 2. 7
 - 3. 9
 - 4. 8

Question ID : 7518978800
Option 1 ID : 75189735197
Option 2 ID : 75189735200
Option 3 ID : 75189735198
Option 4 ID : 75189735199
Status : Answered
Chosen Option : 3

Q.34 Which of the following parts of the human body is/are NOT lined with squamous epithelium?

- Ans**
- 1. Mouth
 - 2. Skin
 - 3. Oesophagus
 - 4. Kidney tubules

Question ID : 7518977817
Option 1 ID : 75189731265
Option 2 ID : 75189731268
Option 3 ID : 75189731266
Option 4 ID : 75189731267
Status : Answered
Chosen Option : 2

Q.35 In a code language, BRAIN is coded as YIZRM and COACH is coded as XLZXS. What is the code for ENTRY in that language?

- Ans
- 1. UNGIB
 - 2. UMFIB
 - 3. VNFIB
 - 4. VMGIB

Question ID : 7518979009
Option 1 ID : 75189736036
Option 2 ID : 75189736033
Option 3 ID : 75189736034
Option 4 ID : 75189736035
Status : Answered
Chosen Option : 4

Q.36 Which of the following mountain ranges is NOT a part of the Himalayan mountains?

- Ans
- 1. Pir Panjal Range
 - 2. Zaskar Range
 - 3. Mahadeo Range
 - 4. Karakoram Range

Question ID : 7518974271
Option 1 ID : 75189717082
Option 2 ID : 75189717081
Option 3 ID : 75189717084
Option 4 ID : 75189717083
Status : Answered
Chosen Option : 4

Q.37 If $9.6 : 16.8 :: 18 : x$, what is the value of x ?

- Ans
- 1. 20.4
 - 2. 24.8
 - 3. 25.5
 - 4. 31.5

Question ID : 7518978369
Option 1 ID : 75189733473
Option 2 ID : 75189733474
Option 3 ID : 75189733475
Option 4 ID : 75189733476
Status : Answered
Chosen Option : 4

Q.38 The cost of 2 tables and 3 chairs is ₹540, while that of 2 tables and 1 chair is ₹470. What is the cost of 5 chairs?

- Ans 1. ₹175
 2. ₹185
 3. ₹245
 4. ₹205

Question ID : 7518975706
Option 1 ID : 75189722823
Option 2 ID : 75189722821
Option 3 ID : 75189722822
Option 4 ID : 75189722824
Status : Answered
Chosen Option : 1

Q.39 If $(\sin\beta + \operatorname{cosec}\beta)^2 + (\sec\beta - \cos\beta)^2 = a + \tan^2\beta + \cot^2\beta$, then the value of a is:

- Ans 1. 3
 2. 0
 3. 2
 4. 5

Question ID : 7518976388
Option 1 ID : 75189725551
Option 2 ID : 75189725549
Option 3 ID : 75189725550
Option 4 ID : 75189725552
Status : Answered
Chosen Option : 1

Q.40 Which of the following interchanges of numbers would make the given equation correct?

$$5 \times 15 \div 5 + 22 - 18 = 25$$

- Ans 1. 5, 15
 2. 22, 25
 3. 22, 18
 4. 5, 25

Question ID : 751897760
Option 1 ID : 75189731038
Option 2 ID : 75189731039
Option 3 ID : 75189731037
Option 4 ID : 75189731040
Status : Answered
Chosen Option : 2

Q.41 Which of the following has the highest boiling point?

- Ans
- 1. NaCl
 - 2. LiCl
 - 3. CaO
 - 4. CaCl₂

Question ID : 7518973492
Option 1 ID : 75189713966
Option 2 ID : 75189713965
Option 3 ID : 75189713968
Option 4 ID : 75189713967
Status : Answered
Chosen Option : 3

Q.42 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.

13 : 31 :: 15 : 33 :: 20 : ?

- Ans
- 1. 40
 - 2. 36
 - 3. 32
 - 4. 38

Question ID : 7518978310
Option 1 ID : 75189733237
Option 2 ID : 75189733238
Option 3 ID : 75189733239
Option 4 ID : 75189733240
Status : Answered
Chosen Option : 4

Q.43 Find the value of $529 \div 23 \times 61 - 1403$.

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

Question ID : 7518975788
Option 1 ID : 75189723149
Option 2 ID : 75189723150
Option 3 ID : 75189723152
Option 4 ID : 75189723151
Status : Answered
Chosen Option : 4

Q.44 Given below is a decision followed by two statements I and II. Read the information carefully and select the correct option.

Decision:

The state government has decided to start free education programs for all uneducated females living in villages in order to provide them with basic education.

Statements:

I. Similar programs in other states had resulted in 63% more employed women in just 2 years.

II. Some of the women in the said state, currently have children below 5 years of age, due to which they do not have much free time.

Ans 1. Both statements I and II weaken the decision.

2.

Statement I is neutral but statement II weakens the decision.

3. Both statements I and II strengthen the decision.

4.

Statement I strengthens the decision but statement II is neutral.

Question ID : 7518979076

Option 1 ID : 75189736303

Option 2 ID : 75189736304

Option 3 ID : 75189736301

Option 4 ID : 75189736302

Status : Not Answered

Chosen Option : --

Q.45 In which Indian state will you find The Sumi Baptist Church?

Ans 1. Goa

2. Nagaland

3. Manipur

4. Kerala

Question ID : 7518974195

Option 1 ID : 75189716778

Option 2 ID : 75189716780

Option 3 ID : 75189716779

Option 4 ID : 75189716777

Status : Not Answered

Chosen Option : --

Q.46 If the ratio of two numbers is 4 : 3 and the product of their LCM and their HCF is 432, then the sum of the reciprocals of the LCM and the HCF is:

Ans 1. $\frac{13}{72}$

2. $\frac{13}{27}$

3. $\frac{13}{7}$

4. $\frac{13}{2}$

Question ID : 7518975828

Option 1 ID : 75189723309

Option 2 ID : 75189723312

Option 3 ID : 75189723311

Option 4 ID : 75189723310

Status : Not Answered

Chosen Option : --

Q.47 A dealer buys apples at ₹50, ₹40 and ₹30 per kilogram. He mixes them in the ratio 2 : 4 : 9 respectively, by weight, and sells at a profit of 30%. At what approximate price per kilogram does he sell the apples?

- Ans**
- 1. ₹75/kg
 - 2. ₹45.9/kg
 - 3. ₹10.8/kg
 - 4. ₹23.5/kg

Question ID : 7518975635
Option 1 ID : 75189722540
Option 2 ID : 75189722537
Option 3 ID : 75189722539
Option 4 ID : 75189722538
Status : Answered
Chosen Option : 2

Q.48 The sum of two times the present age of A and three times the present age of B is 106 years. Four times the present age of B exceeds three times the present age of A by 11 years. What will be the sum of the ages (in years) of A and B, 4 years from now?

- Ans**
- 1. 49
 - 2. 47
 - 3. 43
 - 4. 51

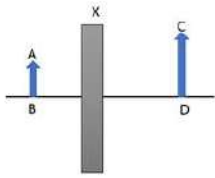
Question ID : 7518978444
Option 1 ID : 75189733775
Option 2 ID : 75189733774
Option 3 ID : 75189733773
Option 4 ID : 75189733776
Status : Answered
Chosen Option : 4

Q.49 A man covers distances of 300 km, 225 km, and 375 km at the speed of 15 km/h, x km/h and 30 km/h, respectively. If his average speed for the whole journey is 20 km/h, then what is the value of x ?

- Ans**
- 1. 24
 - 2. 15
 - 3. 20
 - 4. 18

Question ID : 7518978413
Option 1 ID : 75189733652
Option 2 ID : 75189733649
Option 3 ID : 75189733651
Option 4 ID : 75189733650
Status : Not Answered
Chosen Option : --

Q.50 An optical device X forms an image CD for an object AB as shown in the figure. The device X is a:



- Ans
- 1. concave mirror
 - 2. convex lens
 - 3. convex mirror
 - 4. concave lens

Question ID : 7518975354
 Option 1 ID : 75189721414
 Option 2 ID : 75189721415
 Option 3 ID : 75189721413
 Option 4 ID : 75189721416
 Status : Answered
 Chosen Option : 2

Q.51 What is the waste product in photosynthesis?

- Ans
- 1. Oxygen
 - 2. Water
 - 3. Carbon dioxide
 - 4. Glucose

Question ID : 7518977807
 Option 1 ID : 75189731226
 Option 2 ID : 75189731225
 Option 3 ID : 75189731227
 Option 4 ID : 75189731228
 Status : Answered
 Chosen Option : 1

Q.52 Direction of rotation of armature of motor can be found with the help of _____.

- Ans
- 1. Fleming's right-hand rule
 - 2. Fleming's left-hand rule
 - 3. Right hand thumb rule
 - 4. Maxwell's corkscrew rule

Question ID : 7518978160
 Option 1 ID : 75189732640
 Option 2 ID : 75189732639
 Option 3 ID : 75189732638
 Option 4 ID : 75189732637
 Status : Answered
 Chosen Option : 2

Q.53 When resistors are connected in series combination, then potential difference across each resistor will be:

- Ans**
- 1. Proportional to thickness
 - 2. Proportional to resistance
 - 3. Similar
 - 4. Equally divided

Question ID : 7518978136
Option 1 ID : 75189732542
Option 2 ID : 75189732543
Option 3 ID : 75189732544
Option 4 ID : 75189732541
Status : Answered
Chosen Option : 2

Q.54 In 1993, the Government of India established an institution, the NHRC, to monitor the violations of human rights. What is the full form of NHRC?

- Ans**
- 1. National Human Rights Constitution
 - 2. National Human Rights Committee
 - 3. National Hindu Rights Commission
 - 4. National Human Rights Commission

Question ID : 7518978928
Option 1 ID : 75189735710
Option 2 ID : 75189735712
Option 3 ID : 75189735711
Option 4 ID : 75189735709
Status : Answered
Chosen Option : 4

Q.55 Seven boxes A, B, C, D, E, F and G are kept one above the other, not necessarily in the same order. Box E is the topmost box. Box G is the third box above box A. Box F is immediately above box G. Box B is immediately below box C. There is only one box between box B and box D. How many boxes are there between D and G?

- Ans**
- 1. One
 - 2. Two
 - 3. Four
 - 4. Three

Question ID : 7518978961
Option 1 ID : 75189735841
Option 2 ID : 75189735842
Option 3 ID : 75189735844
Option 4 ID : 75189735843
Status : Not Answered
Chosen Option : --

Q.56 The simplified value of $\frac{(0.11)^2 + (0.06)^2 + (0.031)^2}{(0.011)^2 + (0.006)^2 + (0.0031)^2}$ is:

- Ans
- 1. 10
 - 2. 1
 - 3. 1000
 - 4. 100

Question ID : 7518978626
Option 1 ID : 75189734503
Option 2 ID : 75189734504
Option 3 ID : 75189734501
Option 4 ID : 75189734502
Status : Answered
Chosen Option : 4

Q.57 If $x^2 - 4x + 4 = 0$, then the value of $x^3 + x^2 + \frac{1}{x} + \frac{1}{x^2}$ is:

- Ans
- 1. 15.75
 - 2. 14.75
 - 3. 12.75
 - 4. 13.75

Question ID : 7518978627
Option 1 ID : 75189734505
Option 2 ID : 75189734506
Option 3 ID : 75189734508
Option 4 ID : 75189734507
Status : Not Answered
Chosen Option : --

Q.58 While returning home from school Rana misdirected from his way. From school he first walked for 3 km towards the south and then turned left and walked for 2 km. From there, he turned towards the left and further walked for 3 km. Finally he again turned to his left and walked for 1 km to reach his home. In which direction is his home from school?
(All turns are 90 degree turns only)

- Ans
- 1. South
 - 2. West
 - 3. East
 - 4. North

Question ID : 7518978021
Option 1 ID : 75189732084
Option 2 ID : 75189732082
Option 3 ID : 75189732081
Option 4 ID : 75189732083
Status : Not Answered
Chosen Option : --

Q.59 Which of the following events related to India's freedom struggle is matched correctly with its year of occurrence?

Ans 1.

1918 – General Dyer opened fire at a gathering at Jallianwala Bagh

2.

1928 – The Indian National Congress passed the resolution on Purna Swaraj

3.

1932 – Dr. B.R. Ambedkar, organized the Dalits into the Depressed Classes Association

4.

1922 – Mahatma Gandhi halted the Non-cooperation Movement on the national level as a direct result of the Chauri Chaura incident

Question ID : 7518978512

Option 1 ID : 75189734048

Option 2 ID : 75189734046

Option 3 ID : 75189734047

Option 4 ID : 75189734045

Status : Answered

Chosen Option : 4

Q.60 Study the following arrangement and answer the question given below. All numbers given below are 2 digit numbers.

85 34 @ 36 # 56 67 * 79 \$ 42 48 % 32 81 Ø 57 38 ^ 73 / 51

What will be the sum of those odd numbers which are followed by symbols and even numbers which are preceded by symbols?

Ans 1. 466

2. 523

3. 498

4. 548

Question ID : 7518979003

Option 1 ID : 75189736012

Option 2 ID : 75189736010

Option 3 ID : 75189736011

Option 4 ID : 75189736009

Status : Not Answered

Chosen Option : --

Q.61 If $x^2 - 2x + 1 = 0$, then it has:

Ans 1. five roots

2. two roots

3. three roots

4. four roots

Question ID : 7518975943

Option 1 ID : 75189723772

Option 2 ID : 75189723769

Option 3 ID : 75189723770

Option 4 ID : 75189723771

Status : Answered

Chosen Option : 2

Q.62 When magnetic field is acting towards north and current is moving in east to west direction through a conductor, then the conductor will move _____ direction

- Ans
- 1. in the upward
 - 2. towards left
 - 3. towards right
 - 4. in the downward

Question ID : 7518978154
Option 1 ID : 75189732615
Option 2 ID : 75189732613
Option 3 ID : 75189732614
Option 4 ID : 75189732616
Status : Answered
Chosen Option : 4

Q.63 Rays coming from the sun are refracted by the atmosphere. Due to this, the apparent sunset is about _____ the actual sunset.

- Ans
- 1. 1 minute after
 - 2. 1 minute before
 - 3. 2 minutes before
 - 4. 2 minutes after

Question ID : 7518976660
Option 1 ID : 75189726637
Option 2 ID : 75189726638
Option 3 ID : 75189726640
Option 4 ID : 75189726639
Status : Answered
Chosen Option : 4

Q.64 The State Election Commission does NOT conduct elections to _____.

- Ans
- 1. State Legislative Assemblies
 - 2. Town Municipal Councils
 - 3. Gram Panchayats
 - 4. Municipal Corporations

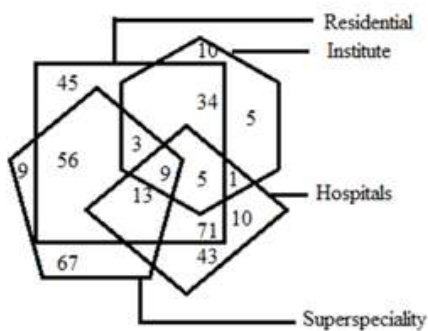
Question ID : 7518978606
Option 1 ID : 75189734423
Option 2 ID : 75189734421
Option 3 ID : 75189734424
Option 4 ID : 75189734422
Status : Answered
Chosen Option : 1

Q.65 How many such pairs of letters are there in the word **FRANCK** (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. None
 - 2. Three
 - 3. Two
 - 4. One

Question ID : **7518978243**
 Option 1 ID : **75189732969**
 Option 2 ID : **75189732972**
 Option 3 ID : **75189732971**
 Option 4 ID : **75189732970**
 Status : **Answered**
 Chosen Option : **3**

Q.66 Study the given Venn diagram and answer the question that follows.



How many residential super-specialty hospitals are institutes?

- Ans**
- 1. 13
 - 2. 5
 - 3. 9
 - 4. 3



Question ID : **7518977925**
 Option 1 ID : **75189731698**
 Option 2 ID : **75189731699**
 Option 3 ID : **75189731700**
 Option 4 ID : **75189731697**
 Status : **Answered**
 Chosen Option : **1**

Q.67 Which of the following is the most electronegative element?

- Ans 1. Cl
 2. S
 3. Al
 4. Mg

Question ID : 7518973532
Option 1 ID : 75189714125
Option 2 ID : 75189714126
Option 3 ID : 75189714128
Option 4 ID : 75189714127
Status : Answered
Chosen Option : 1

Q.68 Who suggested that the origin of life must have been from simple inorganic substances?

- Ans 1. Stanley L Miller
 2. Charles Darwin
 3. JBS Haldane
 4. Gregor Mendel

Question ID : 7518974441
Option 1 ID : 75189717764
Option 2 ID : 75189717762
Option 3 ID : 75189717763
Option 4 ID : 75189717761
Status : Not Answered
Chosen Option : --

Q.69 In a chemical equation, the arrow head points towards:

- Ans 1. reaction conditions
 2. Solvent
 3. products
 4. Reactants

Question ID : 7518978112
Option 1 ID : 75189732445
Option 2 ID : 75189732446
Option 3 ID : 75189732447
Option 4 ID : 75189732448
Status : Answered
Chosen Option : 3

Q.70 Krishna has a few coins of 1 rupee, 50 paise and 25 paise in the ratio $\frac{1}{4} : \frac{1}{2} : \frac{1}{2}$. If the number of 25 paise coins is 100, then the total amount with Krishna is:

- Ans
- 1. ₹100
 - 2. ₹75
 - 3. ₹125
 - 4. ₹120

Question ID : 7518975843
Option 1 ID : 75189723371
Option 2 ID : 75189723369
Option 3 ID : 75189723372
Option 4 ID : 75189723370
Status : Answered
Chosen Option : 3

Q.71 $C_6H_{12}O_6(aq) + 6O_2(aq) \rightarrow 6CO_2(aq) + 6H_2O(l) + \text{energy}$

The special name for the given reaction is:

- Ans
- 1. respiration
 - 2. metabolism
 - 3. digestion
 - 4. energy conversion

Question ID : 7518973575
Option 1 ID : 75189714297
Option 2 ID : 75189714299
Option 3 ID : 75189714298
Option 4 ID : 75189714300
Status : Answered
Chosen Option : 1

Q.72 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

$$14.96 + 10.96 + 13.16 - 12.89 \times 2.04 + 24.93 + 5.1 = ?$$

- Ans
- 1. 20
 - 2. 16
 - 3. 22
 - 4. 18

Question ID : 7518978324
Option 1 ID : 75189733293
Option 2 ID : 75189733294
Option 3 ID : 75189733296
Option 4 ID : 75189733295
Status : Not Answered
Chosen Option : --

Q.73 In India, the constitutional head of the Executive of the Union is the _____.

- Ans
- 1. Prime Minister
 - 2. Vice President
 - 3. Speaker of Lok Sabha
 - 4. President

Question ID : 7518977565
Option 1 ID : 75189730258
Option 2 ID : 75189730257
Option 3 ID : 75189730259
Option 4 ID : 75189730260
Status : Answered
Chosen Option : 4

Q.74 There are eight persons P, Q, R, S, T, U, V and W, sitting around a rectangular table in such a way that four of them sit at four corners of the table while the other four sit in the middle of each of the four sides. All the eight persons face toward the centre. T sits third to the right of V, but T is not the immediate neighbour of U. R sits second to the right of Q. S sits second to the right of U. P sits third to the right Q. Who among the following is sitting 4th to the right of P?

- Ans
- 1. W
 - 2. R
 - 3. U
 - 4. S

Question ID : 7518978950
Option 1 ID : 75189735798
Option 2 ID : 75189735797
Option 3 ID : 75189735799
Option 4 ID : 75189735800
Status : Not Answered
Chosen Option : --

Q.75 A car covers certain distance in $2\frac{1}{4}$ hours at 36 miles/h and another distance in $1\frac{3}{4}$ hours at 56 miles/h. Find the total distance (in miles) travelled by the car.

- Ans
- 1. 179
 - 2. 139
 - 3. 200
 - 4. 159

Question ID : 7518976088
Option 1 ID : 75189724351
Option 2 ID : 75189724349
Option 3 ID : 75189724352
Option 4 ID : 75189724350
Status : Answered
Chosen Option : 1

Q.76 Mendeleev's period table examined the relationship between the atomic mass of elements and their _____.

- Ans
- 1. colour
 - 2. physical and chemical properties both
 - 3. physical properties only
 - 4. chemical properties only

Question ID : 7518973508
Option 1 ID : 75189714032
Option 2 ID : 75189714031
Option 3 ID : 75189714029
Option 4 ID : 75189714030
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.

2 : 10 :: 3 : 30 :: 4 : ?

- Ans
- 1. 68
 - 2. 72
 - 3. 70
 - 4. 58

Question ID : 7518978314
Option 1 ID : 75189733256
Option 2 ID : 75189733255
Option 3 ID : 75189733253
Option 4 ID : 75189733254
Status : Not Answered
Chosen Option : --

Q.78 Which of the following schemes of the Government of India aims to empower the students belonging to minority communities and prepare them for competitive examinations?

- Ans
- 1. Nai Manzil
 - 2. Maulana Azad National Fellowship
 - 3. Nai Udaan
 - 4. Naya Savera

Question ID : 7518976783
Option 1 ID : 75189727131
Option 2 ID : 75189727129
Option 3 ID : 75189727130
Option 4 ID : 75189727132
Status : Answered
Chosen Option : 2

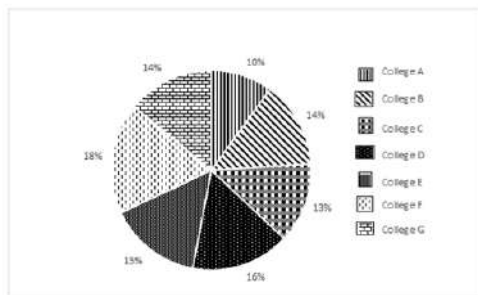
Q.79 When a 24 V potential is applied across a conductor and 96 mA current is flowing through it then the resistance of the conductor is:

- Ans**
- 1. 0.04Ω
 - 2. 250Ω
 - 3. 40Ω
 - 4. 0.250Ω

Question ID : 7518978128
 Option 1 ID : 75189732511
 Option 2 ID : 75189732512
 Option 3 ID : 75189732509
 Option 4 ID : 75189732510
 Status : Answered
 Chosen Option : 4

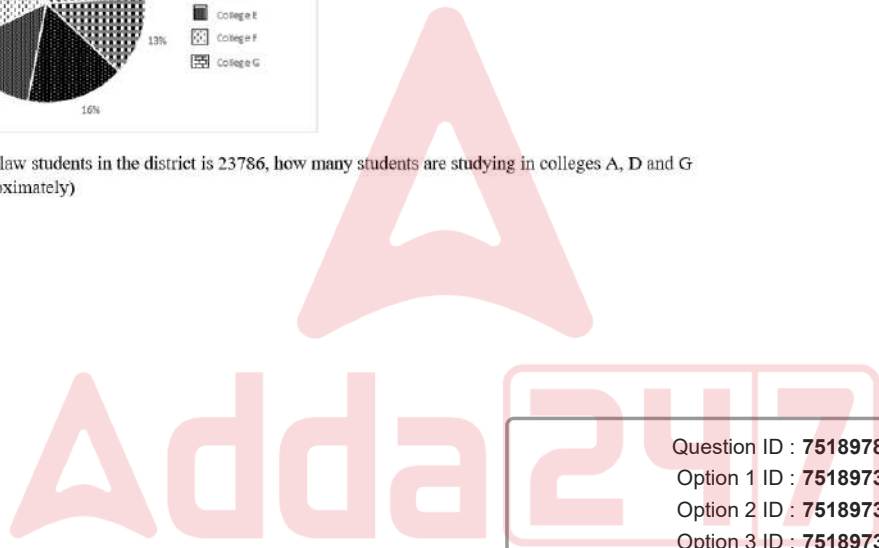
Q.80 Study the given pie-chart and answer the question that follows.

The pie-chart presents the percentage of law students enrolled in different colleges of Agra district.



If the total number of law students in the district is 23786, how many students are studying in colleges A, D and G taken together? (approximately)

- Ans**
- 1. 9520
 - 2. 7134
 - 3. 10701
 - 4. 9514



Question ID : 7518978096
 Option 1 ID : 75189732381
 Option 2 ID : 75189732384
 Option 3 ID : 75189732382
 Option 4 ID : 75189732383
 Status : Answered
 Chosen Option : 4

Q.81 In this question, a statement is followed by two conclusions. Which of the two conclusions is/are true with respect to the statement?

Statement: $X > E \geq U < W = T > J < L$

Conclusions:

I. $T < E$

II. $X < U$

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

Question ID : 7518974957
Option 1 ID : 75189719828
Option 2 ID : 75189719826
Option 3 ID : 75189719827
Option 4 ID : 75189719825
Status : Answered
Chosen Option : 1

Q.82 Which of the following formulas is used to determine the Gross Fiscal Deficit?

- Ans** 1. Capital Receipt – (Revenue Expenditure + Capital Expenditure)
 2. Total Expenditure – (Revenue Receipts + Non-debt creating Capital Receipts)
 3. Total Receipt – Total Expenditure
 4. Total Expenditure – (Revenue Receipts + Capital Receipt)

Question ID : 7518977220
Option 1 ID : 75189728879
Option 2 ID : 75189728877
Option 3 ID : 75189728880
Option 4 ID : 75189728878
Status : Answered
Chosen Option : 4

Q.83 How much energy is released when water is used to break down the terminal link of ATP?

- Ans** 1. 37.2 kJ/mol
 2. 35.6 kJ/mol
 3. 31.5 kJ/mol
 4. 30.5 kJ/mol

Question ID : 7518974339
Option 1 ID : 75189717356
Option 2 ID : 75189717355
Option 3 ID : 75189717354
Option 4 ID : 75189717353
Status : Answered
Chosen Option : 1

Q.84 Some statements about food chain and energy flow through an ecosystem are given below. Select the INCORRECT statement.

- Ans**
- 1. A single organism can feed at several trophic levels.
 - 2. Food webs include two or more food chains.
 - 3.
- The lower the trophic level at which an organism feeds, the less energy it has.
- 4. All organisms that are not producers are consumers.

Question ID : 7518974661
Option 1 ID : 75189718643
Option 2 ID : 75189718642
Option 3 ID : 75189718644
Option 4 ID : 75189718641
Status : Answered
Chosen Option : 3

Q.85 The following table shows the marks scored by A, B, C and D in four subjects i.e., Mathematics, Hindi, English and Science. Marks given are out of 100. Study the table and answer the question.

Subject / Student	A	B	C	D
Mathematics	94	85	83	78
Hindi	86	78	74	82
English	75	73	70	74
Science	92	88	66	68

What is the ratio of 'the sum of the marks scored by A in Mathematics and Hindi' to 'the sum of the marks scored by C in Science and Hindi'?

- Ans**
- 1. 5 : 3
 - 2. 1 : 2
 - 3. 9 : 7
 - 4. 8 : 9

Question ID : 7518978340
Option 1 ID : 75189733359
Option 2 ID : 75189733357
Option 3 ID : 75189733360
Option 4 ID : 75189733358
Status : Answered
Chosen Option : 3

Q.86 This question is based on the five, three-digit numbers given below.

(Left) 534 945 317 354 781 (Right)

(Example: 697 – first digit = 6, second digit = 9, third digit = 7)

NOTE: All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

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

Question ID : 7518979175
 Option 1 ID : 75189736697
 Option 2 ID : 75189736700
 Option 3 ID : 75189736699
 Option 4 ID : 75189736698
 Status : Not Answered
 Chosen Option : --

Q.87 A conductor is connected to a battery of 6V. Let V_1 be the potential difference across the conductor. When a battery of 9 V is connected, the potential difference becomes V_2 . (V_1/V_2) is:

- Ans**
- 1. $\frac{2}{3}$
 - 2. $\frac{1}{3}$
 - 3. 3
 - 4. 1.5

Question ID : 7518976674
 Option 1 ID : 75189726695
 Option 2 ID : 75189726694
 Option 3 ID : 75189726696
 Option 4 ID : 75189726693
 Status : Answered
 Chosen Option : 1

Q.88 In a certain code language, 'ENTER' is written as 'UBWKH' and 'SHIFT' is written as 'WCLEV'. How will 'TOUCH' be written in that language?

- Ans**
- 1. KFXRW
 - 2. WLXZK
 - 3. WXLKZ
 - 4. KZXLW

Question ID : 7518977355
 Option 1 ID : 75189729420
 Option 2 ID : 75189729419
 Option 3 ID : 75189729417
 Option 4 ID : 75189729418
 Status : Not Answered
 Chosen Option : --

Q.89 Aashi, by mistake used an unknown solution to clean her clothes, in place of detergent. Her clothes faded. The solution could be:

- Ans**
- 1. common salt
 - 2. bleaching powder
 - 3. talcum powder
 - 4. baking soda powder

Question ID : 7518973474
Option 1 ID : 75189713893
Option 2 ID : 75189713895
Option 3 ID : 75189713896
Option 4 ID : 75189713894
Status : Answered
Chosen Option : 2

Q.90 The first member of the alkyne group of hydrocarbons is:

- Ans**
- 1. butyne
 - 2. propyne
 - 3. methyne
 - 4. ethyne

Question ID : 7518973382
Option 1 ID : 75189713528
Option 2 ID : 75189713527
Option 3 ID : 75189713525
Option 4 ID : 75189713526
Status : Answered
Chosen Option : 4

Q.91 A sum of ₹36,000 deposited at a certain rate of compound interest, compounded annually, becomes three times itself after 6 years. How much will it become after 18 years at the same rate of compound interest?

- Ans**
- 1. ₹10,72,000
 - 2. ₹7,72,000
 - 3. ₹9,72,000
 - 4. ₹8,72,000

Question ID : 7518978678
Option 1 ID : 75189734709
Option 2 ID : 75189734712
Option 3 ID : 75189734710
Option 4 ID : 75189734711
Status : Answered
Chosen Option : 3

Q.92 The 'SMILE' Scheme, which is a Central Sector Scheme, an acronym of 'Support for Marginalised Individuals for Livelihood and Enterprise' was launched in February 2022 by the Union Minister for Social Justice and Empowerment, _____, in Delhi.

- Ans**
- 1. Arjun Munda
 - 2. Amit Shah
 - 3. Virendra Kumar
 - 4. Smriti Zubin Irani

Question ID : 7518978835
Option 1 ID : 75189735339
Option 2 ID : 75189735338
Option 3 ID : 75189735337
Option 4 ID : 75189735340
Status : Answered
Chosen Option : 4

Q.93 The Ministry of Civil Aviation released the Draft National Air Sports Policy, 2022 with a vision to make India one of the top Air Sports nations by the year _____.

- Ans**
- 1. 2035
 - 2. 2032
 - 3. 2030
 - 4. 2027

Question ID : 7518974132
Option 1 ID : 75189716528
Option 2 ID : 75189716527
Option 3 ID : 75189716526
Option 4 ID : 75189716525
Status : Not Answered
Chosen Option : --

Q.94 In the year 2022, _____ player Mithali Raj announced her retirement.

- Ans**
- 1. cricket
 - 2. badminton
 - 3. hockey
 - 4. football

Question ID : 7518976475
Option 1 ID : 75189725899
Option 2 ID : 75189725897
Option 3 ID : 75189725898
Option 4 ID : 75189725900
Status : Answered
Chosen Option : 1

Q.95 Which of the following issues is NOT a problem concerning large dams?

- Ans
- 1. Low benefits compared to costs involved
 - 2. Deforestation and the loss of biological diversity
 - 3. Displacement of people
 - 4. Storage of water for irrigation

Question ID : 7518977879

Option 1 ID : 75189731516

Option 2 ID : 75189731513

Option 3 ID : 75189731514

Option 4 ID : 75189731515

Status : Answered

Chosen Option : 1

Q.96 At which place ARTPARK, India's first AI and Robotics Technology Park was launched with a seed funding of ₹230 crore, in March 2022?

- Ans
- 1. Mumbai
 - 2. Bengaluru
 - 3. Chennai
 - 4. Lucknow

Question ID : 7518973962

Option 1 ID : 75189715848

Option 2 ID : 75189715845

Option 3 ID : 75189715846

Option 4 ID : 75189715847

Status : Answered

Chosen Option : 2

Q.97 There are 4 pipes attached to a tank. Two to fill the tank and the other two to transfer the water into a cistern. The first two pipes can fill the tank in 40 sec and 80 sec, respectively, when opened alone, while the last two can empty in 80 sec and 160 sec, respectively, when opened alone. If all the pipes are opened together, in how much time will the tank be filled?

- Ans
- 1. 53.33 sec
 - 2. 24.44 sec
 - 3. 16.8 sec
 - 4. 21.2 sec

Question ID : 7518975663

Option 1 ID : 75189722651

Option 2 ID : 75189722650

Option 3 ID : 75189722652

Option 4 ID : 75189722649

Status : Not Answered

Chosen Option : --

Q.98 The sides of a triangle are 15 cm, 28 cm, and 41 cm. What is the length of its altitude corresponding to the side with a length of 28 cm?

- Ans**
- 1. 10 cm
 - 2. 14 cm
 - 3. 12 cm
 - 4. 9 cm

Question ID : 7518978461
Option 1 ID : 75189733842
Option 2 ID : 75189733844
Option 3 ID : 75189733843
Option 4 ID : 75189733841
Status : Answered
Chosen Option : 4

Q.99 Three statements are given, followed by three conclusions numbered I, II and III. 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:

1. All envelopes are letters.
2. No letter is a paper.
3. Some papers are notebook.

Conclusions:

- I. Some papers are envelopes.
- II. All notebooks can never be letters.
- III. Some notebooks are envelopes.

- Ans**
- 1. Only conclusion I follows
 - 2. Only conclusion III follows
 - 3. None of the conclusions follow
 - 4. Only conclusion II follows

Question ID : 7518977912
Option 1 ID : 75189731645
Option 2 ID : 75189731647
Option 3 ID : 75189731648
Option 4 ID : 75189731646
Status : Answered
Chosen Option : 1

Q.100 Which of the following numbers will replace the question mark (?) in the given series?

4, 21, 47, 100, 198, ?

- Ans**
- 1. 355
 - 2. 359
 - 3. 399
 - 4. 395

Question ID : 7518977385
Option 1 ID : 75189729539
Option 2 ID : 75189729538
Option 3 ID : 75189729540
Option 4 ID : 75189729537
Status : Not Answered
Chosen Option : --

