

RRB Group D Question Paper

Exam Date 11/10/2022

Time 5-00 PM To 6-30 PM



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	
Test Date	11/10/2022
Test Time	5:00 PM - 6:30 PM
Subject	Level 1

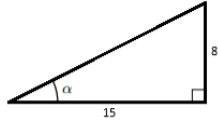
*** Note**

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



In the given right-angled triangle, where the lengths of the sides given are in cm, find the value of $\cos \alpha + \cot \alpha$

- Ans
1. $\frac{333}{136}$
 2. $\frac{15}{17}$
 3. $\frac{19}{8}$
 4. $\frac{375}{136}$

Question ID : 75189713471

Option 1 ID : 75189753883

Option 2 ID : 75189753881

Option 3 ID : 75189753882

Option 4 ID : 75189753884

Status : Not Answered

Chosen Option : --

Q.2 Orchidarium and the orchid production unit on the premises of the Institute of Bioresources and Sustainable Development (IBSD), is coming up in the state of _____ which has about 300 of the world's 17,000 species of orchids.

- Ans**
- 1. Arunachal Pradesh
 - 2. Meghalaya
 - 3. Uttarakhand
 - 4. Himachal Pradesh

Question ID : 75189712414
Option 1 ID : 75189749654
Option 2 ID : 75189749655
Option 3 ID : 75189749656
Option 4 ID : 75189749653
Status : Answered
Chosen Option : 4

Q.3 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 statements.

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Statements:

Some eggs are wheats
Some fruits are guavas
All guavas are lemons

Conclusions:

(I) Some fruits are wheats
(II) Some lemons are fruits
(III) Some eggs are guavas

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

Question ID : 75189714522
Option 1 ID : 75189758087
Option 2 ID : 75189758088
Option 3 ID : 75189758085
Option 4 ID : 75189758086
Status : Answered
Chosen Option : 4

Q.4 A and B can do a piece of work in 28 days and 35 days, respectively. They work on alternate days starting with A till the work gets completed. How long (in days) would it take A and B to complete the work?

- Ans**
- 1. $31\frac{1}{5}$
 - 2. $31\frac{1}{2}$
 - 3. 31
 - 4. $31\frac{1}{9}$

Question ID : 75189714350
Option 1 ID : 75189757399
Option 2 ID : 75189757400
Option 3 ID : 75189757397
Option 4 ID : 75189757398
Status : Answered
Chosen Option : 3

Q.5 A pipe can fill an empty tank in 15 hours, but due to a leakage at the bottom, it is filled in 20 hours. If the tank is full, how long will the leakage take to empty it if no other entry or exit point in the tank is open?

- Ans**
- 1. 50 hours
 - 2. 60 hours
 - 3. 40 hours
 - 4. 30 hours

Question ID : 75189714351
Option 1 ID : 75189757403
Option 2 ID : 75189757401
Option 3 ID : 75189757402
Option 4 ID : 75189757404
Status : Not Answered
Chosen Option : --

Q.6 Which of the following languages has maximum number of speakers in India according to the Census 2011 data?

- Ans**
- 1. Odia
 - 2. Kannada
 - 3. Malayalam
 - 4. Bengali

Question ID : 75189713998
Option 1 ID : 75189755991
Option 2 ID : 75189755990
Option 3 ID : 75189755992
Option 4 ID : 75189755989
Status : Answered
Chosen Option : 4

Q.7 According to the NREGA 'At a Glance' report, the average MGNREGA wages paid in the financial year 2021-2022 remain at only ₹208.85 per day. What is the full form of MGNREGA?

Ans 1.

Mahatma Gandhi National Rural Employment Guarantee Activity

2.

Mahatma Gandhi National Rural Employer Guarantee Action

3. Mahatma Gandhi National Rural Employee Guarantee Act

4.

Mahatma Gandhi National Rural Employment Guarantee Act

Question ID : 7518978838

Option 1 ID : 75189735350

Option 2 ID : 75189735352

Option 3 ID : 75189735351

Option 4 ID : 75189735349

Status : Answered

Chosen Option : 4 SHIKARAT.COM

Q.8 In a certain code language, 'WORSE' is written as 'K#2&6' and 'STEAK' is written as '&@689'. How will 'THORN' be written in that language?

Ans 1. @5#27

2. @5#86

3. #5@27

4. #5@86

Question ID : 75189715265

Option 1 ID : 75189761058

Option 2 ID : 75189761057

Option 3 ID : 75189761059

Option 4 ID : 75189761060

Status : Answered

Chosen Option : 1

Q.9 Mangal walks 30 m north from his house, then he takes a right turn and walks 20 m. He then takes a right turn and walks 30 m, then turns left and walks 20 m, then he turns right and walks 10 m. Finally, he takes a right turn and walks 40 m. In which direction and how many metres is Mangal now from his house? (All turns are 90° turns only)

Ans 1. 10 m, south

2. 10 m, west

3. 20 m, east

4. 20 m, north

Question ID : 75189713115

Option 1 ID : 75189752460

Option 2 ID : 75189752458

Option 3 ID : 75189752457

Option 4 ID : 75189752459

Status : Answered

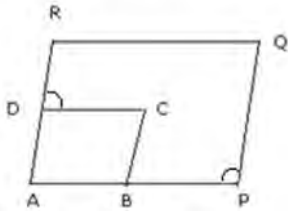
Chosen Option : 1

Q.10 What is the full form of 'MICR' in MICR code?

- Ans
- 1. Magnetic Ink Character Registration
 - 2. Marking Ink Character Recognition
 - 3. Magnetic Ink Character Reconstruction
 - 4. Magnetic Ink Character Recognition

Question ID : 75189712478
Option 1 ID : 75189749911
Option 2 ID : 75189749909
Option 3 ID : 75189749910
Option 4 ID : 75189749912
Status : Answered
Chosen Option : 4

Q.11 In the given figure, ABCD and APQR are two parallelograms. If $\angle APQ = 100^\circ$, find $\angle CDR$.



- Ans
- 1. 36°
 - 2. 80°
 - 3. 100°
 - 4. 40°

Question ID : 75189712100
Option 1 ID : 75189748400
Option 2 ID : 75189748397
Option 3 ID : 75189748399
Option 4 ID : 75189748398
Status : Answered
Chosen Option : 2

Q.12 The base of the right-angled triangle is 3 m greater than its height. If its hypotenuse is 15 m, then find its area.

- Ans
- 1. 84 m^2
 - 2. 72 m^2
 - 3. 54 m^2
 - 4. 64 m^2

Question ID : 75189714420
Option 1 ID : 75189757680
Option 2 ID : 75189757679
Option 3 ID : 75189757677
Option 4 ID : 75189757678
Status : Answered
Chosen Option : 3

Q.13 Match the mountain ranges in column-A with their states in column-B.

Column-A (Mountain range)	Column-B (State)
a. Aravali mountain	1. Himachal Pradesh and Uttarakhand
b. Vindhya range	2. Kerala and Karnataka
c. Western ghat	3. Rajasthan
d. Himalaya range	4. Madhya Pradesh

- Ans 1. a-3, b-4, c-2, d-1
 2. a-4, b-3, c-1, d-2
 3. a-4, b-3, c-2, d-1
 4. a-1, b-2, c-3, d-4

Question ID : 75189715458
Option 1 ID : 75189761831
Option 2 ID : 75189761832
Option 3 ID : 75189761830
Option 4 ID : 75189761829
Status : Answered
Chosen Option : 1

Q.14 If $K + \frac{1}{K} = -2$, then the value of $K^3 + \frac{1}{K^3}$ is:

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

Question ID : 75189714371
Option 1 ID : 75189757481
Option 2 ID : 75189757483
Option 3 ID : 75189757482
Option 4 ID : 75189757484
Status : Answered
Chosen Option : 3

Q.15 What is the discount percentage in the scheme of 'buy 5 get 3 free'?

- Ans 1. 37.5%
 2. 39.25%
 3. 60%
 4. 36.5%

Question ID : 75189714335
Option 1 ID : 75189757338
Option 2 ID : 75189757339
Option 3 ID : 75189757337
Option 4 ID : 75189757340
Status : Answered
Chosen Option : 1

Q.16 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

15 : 4913 :: 8 : ? :: 11 : 2197

- Ans 1. 1001
 2. 1000
 3. 1003
 4. 1002

Question ID : 75189713703
Option 1 ID : 75189754810
Option 2 ID : 75189754809
Option 3 ID : 75189754811
Option 4 ID : 75189754812
Status : Not Answered
Chosen Option : --

Q.17 Which group of organisation/institutes is an example of Constitutional bodies in India?

- Ans 1.
Election Commission of India, Attorney General of India, Union Public Service Commission
 2.
National Human Right Commission, National Commission for Minorities, Election Commission of India
 3.
Comptroller and Auditor General of India, National Human Rights Commission, Election Commission of India
 4.
National Commission of India, Securities and Exchange Board of India, Attorney General of India

Question ID : 75189714017
Option 1 ID : 75189756065
Option 2 ID : 75189756066
Option 3 ID : 75189756068
Option 4 ID : 75189756067
Status : Answered
Chosen Option : 1

Q.18 Which of the following statements is/are true in case of an incandescent filament bulb?

- (a) Filament can be made of tungsten or nichrome.
- (b) The glass envelope covering the filament is filled with inactive gases such as nitrogen or argon.
- (c) Since the filament used is thin, its resistivity is very low.
- (d) The resistivity of the filament is low to allow more current.
- (e) The filament material used should have high melting point.

Ans 1. (a), (b), (e)

2. (c), (d), (e)

3. (b), (c), (d)

4. (a), (c), (d)

Question ID : 75189715102

Option 1 ID : 75189760407

Option 2 ID : 75189760408

Option 3 ID : 75189760406

Option 4 ID : 75189760405

Status : Answered

Chosen Option : 1

Q.19 Seven people - B, D, F, K, M, Q and W are sitting in a straight line facing North. D sits second from one of the extreme ends of the line. Only two people sit between D and F. M sits fourth to the right of F. Q sits second to the right of W. K is not an immediate neighbour of W.

How many people sit to the left of B?

Ans 1. Three

2. Two

3. None

4. One

Question ID : 75189715222

Option 1 ID : 75189760886

Option 2 ID : 75189760888

Option 3 ID : 75189760887

Option 4 ID : 75189760885

Status : Answered

Chosen Option : 3

Q.20 Bleaching powder is formed when dry slaked lime reacts with _____.

- Ans
- 1. bromine
 - 2. hydrogen
 - 3. nitrogen
 - 4. chlorine

Question ID : 75189715151
Option 1 ID : 75189760604
Option 2 ID : 75189760602
Option 3 ID : 75189760601
Option 4 ID : 75189760603
Status : Answered
Chosen Option : 2

Q.21 If '+' means '-', '-' means '+', 'x' means '+', and '+' means 'x', what will come in place of the question mark (?) in the following equation?

$$15 - 8 + 7 + 6 \times 3 = ?$$

- Ans
- 1. 10
 - 2. 12
 - 3. 6
 - 4. 9

Question ID : 75189713071
Option 1 ID : 75189752282
Option 2 ID : 75189752284
Option 3 ID : 75189752281
Option 4 ID : 75189752283
Status : Answered
Chosen Option : 4

Q.22 object is placed _____ to obtain an inverted and enlarged image.

- Ans
- 1. between C and F of concave mirror
 - 2. between C and F of convex mirror
 - 3. at infinity from concave mirror
 - 4. at infinity from convex mirror

Question ID : 7518979464
Option 1 ID : 75189737855
Option 2 ID : 75189737856
Option 3 ID : 75189737853
Option 4 ID : 75189737854
Status : Answered
Chosen Option : 1

Q.23 Select the option that is related to the fifth term in the same way as the fourth term is related to the third term and the second term is related to the first term.

STUDENT : HGFVVMG :: TEACHER : GVZXSVI :: SCHOOL : ?

- Ans
- 1. SLOLXH
 - 2. XSHLLO
 - 3. HXSOLL
 - 4. HXSLLO

Question ID : 7518979767
Option 1 ID : 75189739067
Option 2 ID : 75189739065
Option 3 ID : 75189739068
Option 4 ID : 75189739066
Status : Answered
Chosen Option : 4

Q.24 A total of 50 students are in a row. Ankit is at the 19th position from the start of the row. What is the position of Ankit from the end of the row?

- Ans
- 1. 32nd
 - 2. 31st
 - 3. 33rd
 - 4. 30th

Question ID : 75189713181
Option 1 ID : 75189752723
Option 2 ID : 75189752722
Option 3 ID : 75189752724
Option 4 ID : 75189752721
Status : Answered
Chosen Option : 1

Q.25 If K is the mean of 2, 3, 4, K , then the mode is:

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

Question ID : 75189714364
Option 1 ID : 75189757453
Option 2 ID : 75189757456
Option 3 ID : 75189757455
Option 4 ID : 75189757454
Status : Answered
Chosen Option : 3

Q.26 Which of the following is NOT a body of the urban local body administration?

- Ans
- 1. Nagar Panchayat
 - 2. Zila panchayat
 - 3. Municipality
 - 4. Municipal Corporation

Question ID : 75189715481
Option 1 ID : 75189761923
Option 2 ID : 75189761924
Option 3 ID : 75189761922
Option 4 ID : 75189761921
Status : Answered
Chosen Option : 2

Q.27 Padma Vibhushan award of 2022 has not been given in which of the following fields?

- Ans
- 1. Civil Service
 - 2. Literature and Education
 - 3. Art
 - 4. Trade and Industry

Question ID : 75189715487
Option 1 ID : 75189761945
Option 2 ID : 75189761947
Option 3 ID : 75189761946
Option 4 ID : 75189761948
Status : Answered
Chosen Option : 4

Q.28 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.

MNO_MN_MN_P__OP

- Ans
- 1. POPOMN
 - 2. POPOMM
 - 3. NMPONM
 - 4. MNPOPP

Question ID : 75189711020
Option 1 ID : 75189744077
Option 2 ID : 75189744078
Option 3 ID : 75189744080
Option 4 ID : 75189744079
Status : Answered
Chosen Option : 1

Q.29 Mohan, Meena and Madhav enter into a partnership investing ₹3,000, ₹2,000 and ₹5,000 respectively. Find their respective shares in the annual profit of ₹5,600 in the given order of the names mentioned here.

- Ans
- 1. ₹1,752, ₹1,168, ₹2,680
 - 2. ₹1,680, ₹1,120, ₹2,800
 - 3. ₹1,680, ₹1,240, ₹2,680
 - 4. ₹1,480, ₹1,320, ₹2,800

Question ID : 75189714314
Option 1 ID : 75189757255
Option 2 ID : 75189757256
Option 3 ID : 75189757254
Option 4 ID : 75189757253
Status : Answered
Chosen Option : 2

Q.30 A galvanometer when connected in a circuit, detects the presence of :

- Ans
- 1. Resistance
 - 2. Current
 - 3. Frequency
 - 4. Potential difference

Question ID : 75189714115
Option 1 ID : 75189756459
Option 2 ID : 75189756457
Option 3 ID : 75189756460
Option 4 ID : 75189756458
Status : Answered
Chosen Option : 2

Q.31 Which of the following with respect to the Modern Periodic Table is NOT correct?

- Ans
- 1. It has 18 groups and 7 periods.
 - 2. The number of shells increases as we go down the group.
 - 3. The elements present in the same group have same number of valence electrons.
 - 4. Na, Mg and S belongs to the 4th period of the Modern Periodic Table.

Question ID : 75189713954
Option 1 ID : 75189755813
Option 2 ID : 75189755815
Option 3 ID : 75189755814
Option 4 ID : 75189755816
Status : Answered
Chosen Option : 4

Q.32 If yesterday was Monday, then which day of the week it will be after 89 days from today?

- Ans
- 1. Saturday
 - 2. Monday
 - 3. Tuesday
 - 4. Sunday

Question ID : 75189713571
Option 1 ID : 75189754284
Option 2 ID : 75189754282
Option 3 ID : 75189754283
Option 4 ID : 75189754281
Status : Answered
Chosen Option : 4

Q.33 Which of the following is NOT correctly matched?

- Ans
- 1. Indian Sandalwood – Deciduous forests of Deccan Plateau
 - 2. Neem – Alpine region
 - 3. Ficus – Malabar coast moist forests
 - 4. Pine – Himalayan subtropical forest

Question ID : 75189715467
Option 1 ID : 75189761865
Option 2 ID : 75189761867
Option 3 ID : 75189761868
Option 4 ID : 75189761866
Status : Answered
Chosen Option : 2

Q.34 Which of the following is a Buddhist temple in India?

- Ans
- 1. Nidhivan Temple
 - 2. Gorakhnath Temple
 - 3. Mahabodhi Temple
 - 4. Vishwanath Temple

Question ID : 75189715420
Option 1 ID : 75189761677
Option 2 ID : 75189761678
Option 3 ID : 75189761679
Option 4 ID : 75189761680
Status : Answered
Chosen Option : 3

Q.35 In a certain code language, 'FRAME' is written as 'HPCKG', and 'PEACH' is written as 'RCCAJ'. How will 'BROOM' be written in that language?

- Ans**
- 1. DPQMO
 - 2. CPPMO
 - 3. DTQQO
 - 4. APQNO

Question ID : 75189715363
Option 1 ID : 75189761449
Option 2 ID : 75189761452
Option 3 ID : 75189761450
Option 4 ID : 75189761451
Status : Answered
Chosen Option : 1

Q.36 Which NRI was awarded Padma Vibhushan in the field of Science and Engineering posthumously in 2022 ?

- Ans**
- 1. Sanjay Rajaram
 - 2. Rattan Lal
 - 3. Thiruvengadam Veeraraghavan
 - 4. Narinder Singh Kapany

Question ID : 75189715485
Option 1 ID : 75189761939
Option 2 ID : 75189761937
Option 3 ID : 75189761940
Option 4 ID : 75189761938
Status : Not Answered
Chosen Option : --

Q.37 The power of an electric bulb of resistance 18 ohm if no voltage is applied across it is _____.

- Ans**
- 1. 18 W
 - 2. 9 W
 - 3. infinity
 - 4. 0 W

Question ID : 75189713844
Option 1 ID : 75189755374
Option 2 ID : 75189755375
Option 3 ID : 75189755376
Option 4 ID : 75189755373
Status : Answered
Chosen Option : 4

Q.38 Meristematic tissue cells lack _____.

- Ans
- 1. cytoplasm
 - 2. vacuoles
 - 3. cell wall
 - 4. nucleus

Question ID : 7518974342

Option 1 ID : 75189717366

Option 2 ID : 75189717368

Option 3 ID : 75189717365

Option 4 ID : 75189717367

Status : Answered

Chosen Option : 1

Q.39 If the length l of a room is reduced by 10% and breadth b is increased by 10%, then find the positive change in its perimeter.

- Ans
- 1. $\frac{2}{5}(l + b)$
 - 2. $\frac{l+b}{5}$
 - 3. $\frac{l-b}{5}$
 - 4. $\frac{2}{5}(l - b)$

Question ID : 75189711806

Option 1 ID : 75189747222

Option 2 ID : 75189747223

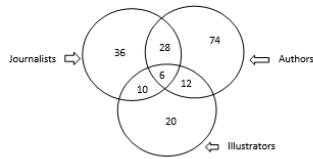
Option 3 ID : 75189747224

Option 4 ID : 75189747221

Status : Not Answered

Chosen Option : --

Q.40 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many such authors are there who are also illustrators but are NOT journalists?

- Ans 1. 54
 2. 18
 3. 28
 4. 12

Question ID : 75189713035

Option 1 ID : 75189752140

Option 2 ID : 75189752137

Option 3 ID : 75189752138

Option 4 ID : 75189752139

Status : Answered

Chosen Option : 4

Q.41 Seven people A, B, D, E, G, H and K are sitting in a straight line facing the north. E is sitting at an extreme end of the line. B is an immediate neighbour of E. Only three people are sitting between A and E. A is sitting second to the right of G. H is neither an immediate neighbour of A nor B. K is sitting second to the right of D. How many people are sitting to the right of K?

- Ans 1. Zero
 2. Three
 3. One
 4. Two

Question ID : 75189713932

Option 1 ID : 75189755728

Option 2 ID : 75189755725

Option 3 ID : 75189755727

Option 4 ID : 75189755726

Status : Answered

Chosen Option : 3

Q.42 How many number of bonds do the single carbon atom form?

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

Question ID : 75189714994
Option 1 ID : 75189759976
Option 2 ID : 75189759974
Option 3 ID : 75189759975
Option 4 ID : 75189759973
Status : Answered
Chosen Option : 4

Q.43 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

32 : 56 :: 52 : ? :: 42 : 66

- Ans
- 1. 73
 - 2. 75
 - 3. 76
 - 4. 71

Question ID : 75189713694
Option 1 ID : 75189754776
Option 2 ID : 75189754774
Option 3 ID : 75189754775
Option 4 ID : 75189754773
Status : Answered
Chosen Option : 3

Q.44 The voltages across three resistances R_1 , R_2 and R_3 connected in series are V_1 , V_2 and V_3 , respectively. What is the net voltage V across them if I represents the net current flowing through them?

- Ans
- 1. $V = (1/V_1) + (1/V_2) + (1/V_3)$
 - 2. $V = (1/R_1) + (1/R_2) + (1/R_3)$
 - 3. $V = R_1 + R_2 + R_3$
 - 4. $V = V_1 + V_2 + V_3$

Question ID : 75189713807
Option 1 ID : 75189755225
Option 2 ID : 75189755226
Option 3 ID : 75189755227
Option 4 ID : 75189755228
Status : Answered
Chosen Option : 2

Q.45 Parts of which present state had evolved a local system of canal irrigation called 'kulhs' over 400 years ago?

- Ans
- 1. Uttar Pradesh
 - 2. Madhya Pradesh
 - 3. Jammu and Kashmir
 - 4. Himachal Pradesh

Question ID : 75189710302

Option 1 ID : 75189741208

Option 2 ID : 75189741207

Option 3 ID : 75189741206

Option 4 ID : 75189741205

Status : Answered

Chosen Option : 2

Q.46 If $i = \frac{7}{3}j$ and $j = \frac{4}{5}k$, then the ratio of $i : j : k$ is:

- Ans
- 1. 7 : 12 : 5
 - 2. 28 : 12 : 15
 - 3. 21 : 12 : 20
 - 4. 28 : 4 : 15

Question ID : 75189714317

Option 1 ID : 75189757266

Option 2 ID : 75189757267

Option 3 ID : 75189757268

Option 4 ID : 75189757265

Status : Answered

Chosen Option : 2

Q.47 Observe the given pattern and the find the missing number.

$$22^2 = 484$$

$$202^2 = 40804$$

$$2002^2 = 4008004$$

$$20002^2 = \dots\dots$$

- Ans
- 1. 4840000
 - 2. 400800400
 - 3. 2000220002
 - 4. 400080004

Question ID : 75189713255
Option 1 ID : 75189753017
Option 2 ID : 75189753018
Option 3 ID : 75189753020
Option 4 ID : 75189753019
Status : Answered
Chosen Option : 4

Q.48 The SI unit of power of a lens is:

- Ans
- 1. newton
 - 2. dioptre
 - 3. joule
 - 4. metre

Question ID : 7518979519
Option 1 ID : 75189738073
Option 2 ID : 75189738075
Option 3 ID : 75189738074
Option 4 ID : 75189738076
Status : Answered
Chosen Option : 2

Q.49 What are the four factors of production?

- Ans
- 1. Labour, transportation, excise duty and entrepreneurship
 - 2. Man power, transportation, excise duty and import
 - 3. Capital, transportation, excise duty and entrepreneurship
 - 4. Land, labour, capital, and entrepreneurship

Question ID : 75189715440
Option 1 ID : 75189761759
Option 2 ID : 75189761757
Option 3 ID : 75189761760
Option 4 ID : 75189761758
Status : Answered
Chosen Option : 4

Q.50 While packing birthday caps for a party in packs of 8 or 10, one cap was always left out. How many caps were there if there were more than 250 but less than 300 caps in the lot?

- Ans
- 1. 268
 - 2. 275
 - 3. 281
 - 4. 261

Question ID : 75189712016
Option 1 ID : 75189748061
Option 2 ID : 75189748062
Option 3 ID : 75189748063
Option 4 ID : 75189748064
Status : Answered
Chosen Option : 3

Q.51 What is the sum of the digits placed at the even places when counted from left to right in the number 479812356?

- Ans
- 1. 22
 - 2. 26
 - 3. 32
 - 4. 18

Question ID : 75189713659
Option 1 ID : 75189754634
Option 2 ID : 75189754633
Option 3 ID : 75189754635
Option 4 ID : 75189754636
Status : Answered
Chosen Option : 1

Q.52 Simplify the following.

$$\frac{(3x^2)^5}{(6x^{-2})^2}$$

Ans

1. $\frac{27x^{14}}{4}$

2. $\frac{27x^6}{36}$

3. $\frac{81x^{14}}{36}$

4. $\frac{81x^6}{36}$

Question ID : 75189713253

Option 1 ID : 75189753011

Option 2 ID : 75189753010

Option 3 ID : 75189753009

Option 4 ID : 75189753012

Status : Not Answered

Chosen Option : --

Q.53 Which of the following numbers will replace the question mark (?) in the given series?

3 13 21 27 31 ?

Ans 1. 34

2. 33

3. 35

4. 36

Question ID : 75189712702

Option 1 ID : 75189750806

Option 2 ID : 75189750808

Option 3 ID : 75189750807

Option 4 ID : 75189750805

Status : Answered

Chosen Option : 2

Q.54 Which of the following vessels carries blood away from the heart to various organs of the body, except the lungs?

- Ans
- 1. Pulmonary artery
 - 2. Pulmonary vein
 - 3. Vena cava
 - 4. Aorta

Question ID : 7518977832
Option 1 ID : 75189731326
Option 2 ID : 75189731327
Option 3 ID : 75189731325
Option 4 ID : 75189731328
Status : Answered
Chosen Option : 2

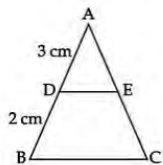
Q.55 If '+' means '-', '-' means '+', 'x' means '+', and '+' means 'x', what will be the value of the following expression?

$$[[(6 \times 9) + (3 \div 2)] - (7 + 4)] \div 2$$

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

Question ID : 75189714573
Option 1 ID : 75189758290
Option 2 ID : 75189758291
Option 3 ID : 75189758292
Option 4 ID : 75189758289
Status : Answered
Chosen Option : 2

Q.56



In the given figure, triangle ABC is similar to triangle ADE. If the area of triangle ADE = 18 cm^2 , then the area of triangle ABC is:

- Ans
- 1. 45 cm^2
 - 2. 90 cm^2
 - 3. 50 cm^2
 - 4. 55 cm^2

Question ID : 75189713456
Option 1 ID : 75189753821
Option 2 ID : 75189753822
Option 3 ID : 75189753823
Option 4 ID : 75189753824
Status : Answered
Chosen Option : 2

Q.57 How many elements exist in nature according to Newlands law of octaves?

- Ans
- 1. 46
 - 2. 56
 - 3. 76
 - 4. 36

Question ID : 75189710382
Option 1 ID : 75189741526
Option 2 ID : 75189741527
Option 3 ID : 75189741528
Option 4 ID : 75189741525
Status : Answered
Chosen Option : 2

Q.58 Burning of natural gas is:

- Ans
- 1. a substitution reaction
 - 2. a decomposition reaction
 - 3. an endothermic reaction
 - 4. an exothermic reaction

Question ID : 75189713943
Option 1 ID : 75189755772
Option 2 ID : 75189755771
Option 3 ID : 75189755770
Option 4 ID : 75189755769
Status : Answered
Chosen Option : 4

Q.59 Among the following situations, potential difference is induced in a closed conducting coil when:

- Ans
- 1. the closed coil is moved towards the bar magnet only
 - 2. either the bar magnet is moved towards the closed coil or the closed coil is moved towards the bar magnet
 - 3. both the bar magnet and the closed coil are moving with same speed and in the same direction
 - 4. a bar magnet is moved towards the closed coil only

Question ID : 75189715112
Option 1 ID : 75189760446
Option 2 ID : 75189760447
Option 3 ID : 75189760448
Option 4 ID : 75189760445
Status : Answered
Chosen Option : 2

Q.60 The best practice that is involved in biological waste disposal is:

- Ans
- 1. reusing
 - 2. incineration
 - 3. recycling
 - 4. open dumping

Question ID : 75189710270
Option 1 ID : 75189741077
Option 2 ID : 75189741080
Option 3 ID : 75189741078
Option 4 ID : 75189741079
Status : Answered
Chosen Option : 3

Q.61 A sum was invested at a certain rate of simple interest per annum for 8 years. Had it been invested at a rate of simple interest per annum that is 8% higher than the rate at which the sum had been actually invested, it would have fetched ₹4,000 more as interest at the end of the 8-year period. What was the sum invested?

- Ans
- 1. ₹6,925
 - 2. ₹6,500
 - 3. ₹6,250
 - 4. ₹6,750

Question ID : 75189712954
Option 1 ID : 75189751816
Option 2 ID : 75189751814
Option 3 ID : 75189751813
Option 4 ID : 75189751815
Status : Not Answered
Chosen Option : --

Q.62 Which statement regarding molecular movement (living character) of viruses is correct?

- Ans
- 1. Inactive until they infect some cell.
 - 2. Metabolism is absent in viruses.
 - 3. A virus does not grow in an artificial medium.
 - 4. Viruses do not respire.

Question ID : 75189714813
Option 1 ID : 75189759251
Option 2 ID : 75189759250
Option 3 ID : 75189759249
Option 4 ID : 75189759252
Status : Answered
Chosen Option : 1

Q.63 In August 2022, Rameshbabu Praggnanandhaa, the 17-year-old Indian Chess master, defeated world champion Magnus Carlsen in the last round of the FTX Crypto Cup in _____.

- Ans**
- 1. Austin
 - 2. Miami
 - 3. San Jose
 - 4. Boston

Question ID : 75189712337
Option 1 ID : 75189749345
Option 2 ID : 75189749348
Option 3 ID : 75189749347
Option 4 ID : 75189749346
Status : Answered
Chosen Option : 2

Q.64 Avinash's age is 5 times his son Aravind's age. Four years hence, the age of Avinash will be four times Aravind's age. Find the average of their present ages.

- Ans**
- 1. 28 years
 - 2. 36 years
 - 3. 24 years
 - 4. 30 years

Question ID : 75189714393
Option 1 ID : 75189757572
Option 2 ID : 75189757569
Option 3 ID : 75189757571
Option 4 ID : 75189757570
Status : Answered
Chosen Option : 2

Q.65 Find the mode for the following data of student ages:
16, 17, 15, 17, 16, 15, 14, 14, 13, 17, 13, 12, 12, 16, 10, 14, 17, 10, 11.

- Ans**
- 1. 11
 - 2. 17
 - 3. 15
 - 4. 16

Question ID : 75189714363
Option 1 ID : 75189757449
Option 2 ID : 75189757451
Option 3 ID : 75189757452
Option 4 ID : 75189757450
Status : Answered
Chosen Option : 2

Q.66 A statement is given below, followed by four conclusions given in the options. Find out which conclusion is true based on the given statement.

Statement: $S < T \leq G < M < K > P \geq O$

- Ans**
- 1. $O = S = T$
 - 2. $M \geq P \geq O$
 - 3. $K > O > S$
 - 4. $K > G > S$

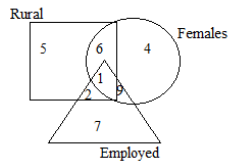
Question ID : 7518978228
Option 1 ID : 75189732911
Option 2 ID : 75189732910
Option 3 ID : 75189732912
Option 4 ID : 75189732909
Status : Answered
Chosen Option : 4

Q.67 The roots of the quadratic equation $x^2 - 6x + 5 = 0$ are:

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

Question ID : 75189713380
Option 1 ID : 75189753519
Option 2 ID : 75189753518
Option 3 ID : 75189753517
Option 4 ID : 75189753520
Status : Answered
Chosen Option : 1

Q.68 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many rural females are there who are NOT employed?

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

Question ID : 75189713604
Option 1 ID : 75189754413
Option 2 ID : 75189754416
Option 3 ID : 75189754415
Option 4 ID : 75189754414
Status : Answered
Chosen Option : 2

Q.69 One of the following is NOT a bacterial disease?

- Ans
- 1. Tuberculosis
 - 2. Syphilis
 - 3. AIDS
 - 4. Gonorrhoea

Question ID : 75189715145
Option 1 ID : 75189760580
Option 2 ID : 75189760579
Option 3 ID : 75189760578
Option 4 ID : 75189760577
Status : Answered
Chosen Option : 3

Q.70 Which is the apex governing body of air sports in India?

- Ans
- 1. Aero Club of India
 - 2. Ministry of Youth Affairs and Sports
 - 3. Air Sports Federation of India
 - 4. Ministry of Civil Aviation

Question ID : 75189712571
Option 1 ID : 75189750284
Option 2 ID : 75189750283
Option 3 ID : 75189750281
Option 4 ID : 75189750282
Status : Not Answered
Chosen Option : --

Q.71 3 kg of apples and 4 kg of oranges cost ₹210, and 5 kg of apples and 2 kg of oranges cost ₹175. Find the cost of 1 kg of apples.

- Ans**
- 1. ₹37.5
 - 2. ₹25
 - 3. ₹35.7
 - 4. ₹20

Question ID : 75189713364
Option 1 ID : 75189753453
Option 2 ID : 75189753456
Option 3 ID : 75189753454
Option 4 ID : 75189753455
Status : Answered
Chosen Option : 4

Q.72 The area of a triangle is 85 cm^2 and its base is 5 cm. Find the height of the triangle corresponding to this given base.

- Ans**
- 1. 17 cm
 - 2. 51 cm
 - 3. 24 cm
 - 4. 34 cm

Question ID : 75189713391
Option 1 ID : 75189753563
Option 2 ID : 75189753564
Option 3 ID : 75189753562
Option 4 ID : 75189753561
Status : Answered
Chosen Option : 4

Q.73 Which of the following is NOT among the groups organised by microfinance institutions in India?

- Ans**
- 1. Grameen Model Bank
 - 2. Joint Liability Group (JLG)
 - 3. Urban Model Bank
 - 4. Self Help Group (SHG)

Question ID : 75189715434
Option 1 ID : 75189761735
Option 2 ID : 75189761733
Option 3 ID : 75189761736
Option 4 ID : 75189761734
Status : Answered
Chosen Option : 1

Q.74 The average age of Yamuna and her daughter, Sathvika, is 21 years. The ratio of their ages is 5 : 2 . Find the age of Sathvika.

- Ans**
- 1. 15 years
 - 2. 10 years
 - 3. 17 years
 - 4. 12 years

Question ID : 75189714392
Option 1 ID : 75189757566
Option 2 ID : 75189757565
Option 3 ID : 75189757567
Option 4 ID : 75189757568
Status : Answered
Chosen Option : 4

Q.75 Study the given table and answer the following question.

	Number of words translated		
	Monday	Tuesday	Wednesday
Puneet	548	581	628
Mohit	696	684	692

If ₹2 was paid for the translation of one word, what was the total amount received by Puneet and Mohit on Monday?

- Ans**
- 1. ₹2,312
 - 2. ₹2,966
 - 3. ₹2,488
 - 4. ₹2,916

Question ID : 75189712750
Option 1 ID : 75189750999
Option 2 ID : 75189750998
Option 3 ID : 75189750997
Option 4 ID : 75189751000
Status : Answered
Chosen Option : 3

Q.76 Which of the following salts is an active ingredient in antacids?

- Ans
- 1. Na_2CO_3
 - 2. CaOCl_2
 - 3. CaCl_2
 - 4. NaHCO_3

Question ID : 75189712800
Option 1 ID : 75189751197
Option 2 ID : 75189751199
Option 3 ID : 75189751200
Option 4 ID : 75189751198
Status : Answered
Chosen Option : 4

Q.77 Which of the following events of modern Indian history is NOT correctly matched?

- Ans
- 1. Partition of Bengal by Lord Curzon – 1905
 - 2. Quit India movement – 1942
 - 3. Jallianwala Bagh massacre at Amritsar – 1919
 - 4. Dandi March by Mahatma Gandhi – 1910

Question ID : 75189715406
Option 1 ID : 75189761621
Option 2 ID : 75189761624
Option 3 ID : 75189761622
Option 4 ID : 75189761623
Status : Answered
Chosen Option : 4

Q.78 Refer to the following number series and answer the question that follows.

4 3 9 1 5 3 9 2 4 3 5 9 5 7 9 2 6 8 7

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

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

Question ID : 75189713933
Option 1 ID : 75189755729
Option 2 ID : 75189755732
Option 3 ID : 75189755730
Option 4 ID : 75189755731
Status : Answered
Chosen Option : 1

Q.79 When a magnet is moved into a coil connected to a galvanometer, the current is induced in the coil. The induced current does not depend on which of the following factor?

- Ans**
- 1. Number of turns of the coil
 - 2. The pole strength of the magnet
 - 3. Speed of movement of the magnet
 - 4. Resistance of the galvanometer connected in the coil

Question ID : 75189712203
Option 1 ID : 75189748812
Option 2 ID : 75189748809
Option 3 ID : 75189748810
Option 4 ID : 75189748811
Status : Answered
Chosen Option : 4

Q.80 In order to make the simplification problem given below correct, which of the pairs of signs given in the options needs to be interchanged?

$$25 + 5 - 2 \times 30 + 3 = 10$$

- Ans**
- 1. \div and $+$
 - 2. \times and $+$
 - 3. \div and $-$
 - 4. \times and $-$

Question ID : 75189713246
Option 1 ID : 75189752984
Option 2 ID : 75189752983
Option 3 ID : 75189752981
Option 4 ID : 75189752982
Status : Answered
Chosen Option : 1

Q.81 The HCF of 16, 20 and 24 is:

- Ans**
- 1. 6
 - 2. 4
 - 3. 2
 - 4. 8

Question ID : 75189713276
Option 1 ID : 75189753102
Option 2 ID : 75189753104
Option 3 ID : 75189753101
Option 4 ID : 75189753103
Status : Answered
Chosen Option : 2

Q.82 Five boxes containing different items, namely scales, pens, tapes, erasers and pencils, are kept one above the other, not necessarily in the same order. The box with pens is on the topmost position. The box with erasers is the only box between the boxes with pencils and scales. There is only one box below the box with scales and that is the box with tapes. Which box is immediately below the box containing pencils?

- Ans**
- 1. Erasers
 - 2. Scales
 - 3. Tapes
 - 4. Pens

Question ID : 75189714180
Option 1 ID : 75189756719
Option 2 ID : 75189756717
Option 3 ID : 75189756718
Option 4 ID : 75189756720
Status : **Answered**
Chosen Option : 1

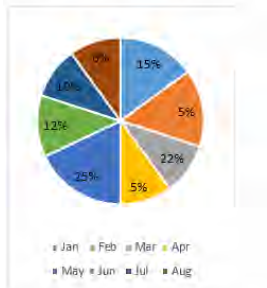
Q.83 $a\text{HNO}_3(\text{aq}) + b\text{Ca}(\text{OH})_2(\text{aq}) \rightarrow \text{Ca}(\text{NO}_3)_2 + c\text{H}_2\text{O}$

The coefficients a, b and c in the given balanced chemical equation are:

- Ans**
- 1. 1, 2 and 1, respectively
 - 2. 2, 1 and 1, respectively
 - 3. 2, 1 and 2, respectively
 - 4. 2, 2 and 2, respectively

Question ID : 75189712771
Option 1 ID : 75189751083
Option 2 ID : 75189751082
Option 3 ID : 75189751081
Option 4 ID : 75189751084
Status : **Not Answered**
Chosen Option : --

Q.84 The given pie chart shows the percentage of expenditure on electricity by a family in different months. Study the chart and answer the question.



What is the central angle for the total expenditure on electricity in all the months together, EXCEPT May and August?

- Ans**
- 1. 248.4°
 - 2. 210.7°
 - 3. 216.8°
 - 4. 234.8°

Question ID : 75189715209
Option 1 ID : 75189760836
Option 2 ID : 75189760835
Option 3 ID : 75189760834
Option 4 ID : 75189760833

Status : Answered

Chosen Option : 1

Q.85 Refer to the following letter, number, symbol series and answer the question.

(Left) E 7 8 # K 2 L ? = R 3 @ W * X 5 C H D 4 (Right) .

If all numbers are dropped from the series, which of the following will be seventh from the left?

- Ans**
- 1. *
 - 2. R
 - 3. =
 - 4. W

Question ID : 75189713053
Option 1 ID : 75189752212
Option 2 ID : 75189752211
Option 3 ID : 75189752210
Option 4 ID : 75189752209

Status : Answered

Chosen Option : 2

Q.86 As of August 2022, the Maintenance and Welfare of Parents and Senior Citizens Act of which year governs the financial security, welfare and protection of senior citizens?

- Ans**
- 1. 2014
 - 2. 2005
 - 3. 2002
 - 4. 2007

Question ID : 75189711090
Option 1 ID : 75189744360
Option 2 ID : 75189744358
Option 3 ID : 75189744357
Option 4 ID : 75189744359
Status : **Not Answered**
Chosen Option : --

Q.87 What would have happened if Mendel had NOT studied the F2 generation?

- Ans**
- 1. He would not have been able to study multiple characters
 - 2. He would not have discovered which traits were dominant
 - 3. He would not have been able to get hybrid plants
 - 4. He would not have discovered that recessive traits are not lost

Question ID : 75189712294
Option 1 ID : 75189749176
Option 2 ID : 75189749173
Option 3 ID : 75189749175
Option 4 ID : 75189749174
Status : **Answered**
Chosen Option : 2

Q.88 From the following, identify the applications of scattering of light.

- (a) Danger signals being red
- (b) Advanced sun rise and delayed sun set
- (c) Twinkling of stars
- (d) Tyndall effect
- (e) Redness of sun and blueness of sky

Ans 1. (d), (e), (a)

2. (c), (d), (e)

3. (a), (b), (c)

4. (b), (c), (d)

Question ID : 75189715099

Option 1 ID : 75189760396

Option 2 ID : 75189760395

Option 3 ID : 75189760393

Option 4 ID : 75189760394

Status : Answered

Chosen Option : 2

Q.89 There is a 20% discount on a dozen pairs of identical shoes marked at a combined price of ₹7,200. How many such pairs of shoes can be bought for ₹1,440?

Ans 1. 5

2. 2

3. 4

4. 3

Question ID : 75189714331

Option 1 ID : 75189757321

Option 2 ID : 75189757324

Option 3 ID : 75189757322

Option 4 ID : 75189757323

Status : Answered

Chosen Option : 4

Q.90 Ravi starts from Point A and drives 8 km towards the west. He then takes a left turn, drives 5 km, turns left and drives 19 km. He then takes a right turn and drives 2 km. He takes a final right turn, drives 11 km and stops at Point B. How far and towards which direction should he drive in order to reach Point A from Point B? (All turns are 90 degree turns only)

- Ans**
- 1. 7 km towards the north
 - 2. 5 km towards the south
 - 3. 2 km towards the north
 - 4. 3 km towards the south

Question ID : 75189715369
Option 1 ID : 75189761473
Option 2 ID : 75189761476
Option 3 ID : 75189761474
Option 4 ID : 75189761475
Status : **Answered**
Chosen Option : 3

Q.91 In 1955 a special committee known as the Karve Committee was constituted. This committee advised:

- Ans**
- 1. the promotion of small-scale industries for the purpose of rural development
 - 2. the promotion of the agriculture sector
 - 3. the rapid export of cotton and fresh fruits
 - 4. the promotion of large industries for the purpose of urban development

Question ID : 75189715447
Option 1 ID : 75189761785
Option 2 ID : 75189761787
Option 3 ID : 75189761788
Option 4 ID : 75189761786
Status : **Not Answered**
Chosen Option : --

Q.92 In which part of the Indian Constitution are the Fundamental Rights explained?

- Ans**
- 1. Part III
 - 2. Part VI
 - 3. Part IV
 - 4. Part V

Question ID : 75189710600
Option 1 ID : 75189742397
Option 2 ID : 75189742400
Option 3 ID : 75189742398
Option 4 ID : 75189742399
Status : **Answered**
Chosen Option : 1

Q.93 G, K, M, P, S and V live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. G lives on floor number 3. Only one person lives between G and M. As many people live below K as above M. P lives immediately below S. How many people live above P?

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

Question ID : 75189715231
Option 1 ID : 75189760922
Option 2 ID : 75189760924
Option 3 ID : 75189760921
Option 4 ID : 75189760923
Status : Answered
Chosen Option : 1

Q.94 During which of the following festivals is the Puli Kali (Tiger dance) event the main attraction?

- Ans**
- 1. Bihu
 - 2. Baisakhi
 - 3. Pongal
 - 4. Onam

Question ID : 75189715410
Option 1 ID : 75189761639
Option 2 ID : 75189761640
Option 3 ID : 75189761638
Option 4 ID : 75189761637
Status : Answered
Chosen Option : 4

Q.95 Formation of slaked lime by the reaction of calcium oxide with water is an example of _____.

- Ans**
- 1. displacement reaction
 - 2. combination reaction
 - 3. endothermic reaction
 - 4. decomposition reaction

Question ID : 75189712777
Option 1 ID : 75189751107
Option 2 ID : 75189751105
Option 3 ID : 75189751106
Option 4 ID : 75189751108
Status : Answered
Chosen Option : 2

Q.96 This question consists of a statement followed by two arguments I and II. Read the statement and the arguments carefully and select the appropriate answer from the given options.

Statement:

Eating frozen foods is advantageous.

Arguments:

- I. Frozen foods sometimes may have more vitamins and minerals compared to fresh food, because fresh foods lose vitamins and minerals over time while freezing preserves nutrients.
- II. Sodium present in frozen foods can lead to increased blood pressure level.

- Ans**
- 1. Both I and II weaken the statement
 - 2. Both I and II strengthen the statement
 - 3. II weakens while I strengthens the statement
 - 4. I weakens while II strengthens the statement

Question ID : 75189715324

Option 1 ID : 75189761295

Option 2 ID : 75189761296

Option 3 ID : 75189761294

Option 4 ID : 75189761293

Status : **Not Answered**

Chosen Option : --

Q.97 In this question, the statement is followed by four conclusions. Find out which conclusion is true based on the given statement:

Statement: $N > W = E \geq D < Y = P \leq K$

- Ans**
- 1. $K \leq Y$
 - 2. $W \geq D$
 - 3. $D > N$
 - 4. $N < E$

Question ID : 75189710809

Option 1 ID : 75189743236

Option 2 ID : 75189743235

Option 3 ID : 75189743234

Option 4 ID : 75189743233

Status : **Answered**

Chosen Option : 4

Q.98 Some bacteria are photosynthetic. Where are the photosynthetic pigments located in these cells?

- Ans
- 1. In chloroplasts
 - 2. On special membranes
 - 3. In the cell cytoplasm
 - 4. In the infolding of the plasma membrane

Question ID : 75189712262
Option 1 ID : 75189749046
Option 2 ID : 75189749047
Option 3 ID : 75189749048
Option 4 ID : 75189749045
Status : Answered
Chosen Option : 1

Q.99 Refer to the given letter-cluster series and answer the question that follows.

AKMG, RIDC, WQCT, PILE, VTXF, HRXW

If in each of the letter-clusters, each letter is changed to the next letter in the English alphabetical order, how many letter-clusters thus formed will have exactly two vowels?

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

Question ID : 75189713099
Option 1 ID : 75189752395
Option 2 ID : 75189752396
Option 3 ID : 75189752393
Option 4 ID : 75189752394
Status : Not Answered
Chosen Option : --

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

6, 6, 8, 24, 28, ?

- Ans
- 1. 112
 - 2. 32
 - 3. 130
 - 4. 140

Question ID : 75189713120
Option 1 ID : 75189752479
Option 2 ID : 75189752477
Option 3 ID : 75189752480
Option 4 ID : 75189752478
Status : Not Answered
Chosen Option : --