



RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड



Level-1 Posts CEN-02/2018

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Test Center Name:	Mahakal Group of Institutes
Test Date:	11/10/2018
Test Time:	9:00 AM - 10:30 AM
Subject:	Level 1

- Options shown in green color with a tick icon are correct
- Chosen option on top right of the question indicates the option selected by the candidate
- The numbers indicated against the Question ID and Option ID are the numbers to be noted and used for raising objections

Q.1 A car falls off a ledge and drops to the ground in 0.7 s. (let $g=10\text{ms}^{-2}$)

What is its speed on striking the ground?

- Ans
- ☒ 1. 7ms^{-1}
 - ☒ 2. 8ms^{-1}
 - ☒ 3. 4ms^{-1}
 - ☒ 4. 7ms^{-1}

Question ID : 6789132756
Option 1 ID : 67891311024
Option 2 ID : 67891311023
Option 3 ID : 67891311021
Option 4 ID : 67891311022

Status : Not Answered

Chosen Option : --

Q.2 In an electric circuit, Rheostat is often used to change the _____ in the circuit.

- Ans
- ☒ 1. temperature
 - ☒ 2. resistance
 - ☒ 3. electric current
 - ☒ 4. potential difference

Question ID : 6789132765
Option 1 ID : 67891311060
Option 2 ID : 67891311059
Option 3 ID : 67891311058
Option 4 ID : 67891311057

Status : Not Answered

Chosen Option : --

Q.3 Aamir Khan was honoured with the Best Actor Award in 2017 at:

- Ans
- ☐ 1. National Film Awards
 - ☐ 2. IIFA Awards
 - ☐ 3. Indian Film Festival
 - ☒ 4. Filmfare Awards

Question ID : 6789132785

Option 1 ID : 67891311139

Option 2 ID : 67891311137

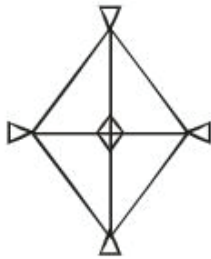
Option 3 ID : 67891311138

Option 4 ID : 67891311140

Status : Answered

Chosen Option : 2

Q.4 Count the number of triangles in the figure.



- Ans
- ☐ 1. 28
 - ☐ 2. 24
 - ☐ 3. 26
 - ☒ 4. 20

Question ID : 6789132751

Option 1 ID : 67891311004

Option 2 ID : 67891311002

Option 3 ID : 67891311003

Option 4 ID : 67891311001

Status : Answered

Chosen Option : 4

Q.5 Which tissue is responsible for transport of materials away from the root?

- Ans
- ☐ 1. Ground tissue
 - ☐ 2. Cambium
 - ☐ 3. Phloem
 - ☒ 4. Xylem

Question ID : 6789132777

Option 1 ID : 67891311108

Option 2 ID : 67891311107

Option 3 ID : 67891311105

Option 4 ID : 67891311106

Status : Answered

Chosen Option : 4

Q.6 On which day is 'World Hindi Day' (WHD) observed every year to mark the first anniversary of World Hindi Conference (WHC), which was held in 1975?

- Ans
- ☒ 1. 5th September
 - ☒ 2. 14th October
 - ☒ 3. 10th January
 - ☒ 4. 26th January

Question ID : 6789132784

Option 1 ID : 67891311133

Option 2 ID : 67891311135

Option 3 ID : 67891311134

Option 4 ID : 67891311136

Status : Answered

Chosen Option : 2

Q.7 ₹ 1,080 invested for 3 months gave an interest of ₹ 27. The simple rate of interest per annum was :

- Ans
- ☒ 1. 2.5%
 - ☒ 2. 5%
 - ☒ 3. 7.5%
 - ☒ 4. 10%

Question ID : 6789132710

Option 1 ID : 67891310837

Option 2 ID : 67891310840

Option 3 ID : 67891310838

Option 4 ID : 67891310839

Status : Answered

Chosen Option : 4

Q.8 Given below is a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement: "Mandarin oriental hotel has yet another new fan, Amitabh Bachchan," reads a hotel advertisement.

Assumptions:

- I. Mandarin Oriental is an expensive hotel.
- II. Mandarin Oriental is owned by Amitabh Bachchan.

- Ans
- ☒ 1. Only assumption I is implicit
 - ☒ 2. Both I and II are implicit.
 - ☒ 3. Neither I nor II is implicit
 - ☒ 4. Only assumption II is implicit

Question ID : 6789132733

Option 1 ID : 67891310929

Option 2 ID : 67891310932

Option 3 ID : 67891310931

Option 4 ID : 67891310930

Status : Answered

Chosen Option : 3

Q.9 Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statement: Our office is located in sixth floor. If a building has more than two floors, then it will have a lift.

Conclusions:

- I. Right from first floor to the last, each floor can be reached by a lift.
- II. Fifth floor do not have a lift.

Ans ☒ 1. Only conclusion I follows

☒ 2. Neither I nor II follows

☒ 3. Only conclusion II follows

☒ 4. Both I and II follow

Question ID : 6789132732

Option 1 ID : 67891310925

Option 2 ID : 67891310927

Option 3 ID : 67891310926

Option 4 ID : 67891310928

Status : Answered

Chosen Option : 2

Q.1 P 3 R I M J 3 Q % W @ / N S E 5 X Y 1 # 8

In the above series, the 6th term to the left of the 15th term from the left is :

Ans ☒ 1. W

☒ 2. %

☒ 3. 8

☒ 4. #

Question ID : 6789132738

Option 1 ID : 67891310950

Option 2 ID : 67891310951

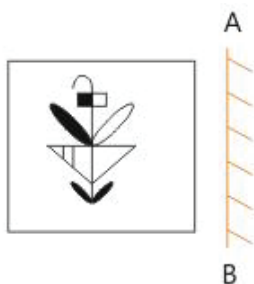
Option 3 ID : 67891310949

Option 4 ID : 67891310952

Status : Answered

Chosen Option : 2

Q.1
1



The mirror image of the above figure with respect to the line AB is:

Ans

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 6789132753

Option 1 ID : 67891311009

Option 2 ID : 67891311012

Option 3 ID : 67891311010

Option 4 ID : 67891311011

Status : Answered

Chosen Option : 3

Q.1
2 If the edge of a cube is halved, then its volume reduces to _____ times the actual volume.

Ans

✗ 1. $\frac{1}{3}$

✗ 2. $\frac{1}{4}$

✓ 3. $\frac{1}{8}$

✗ 4. $\frac{1}{2}$

Question ID : 6789132717

Option 1 ID : 67891310865

Option 2 ID : 67891310866

Option 3 ID : 67891310868

Option 4 ID : 67891310867

Status : Answered

Chosen Option : 2

Q.1
3



A



B



C



D

The figure that does not belong to the group is

- Ans ☒ 1. D
☒ 2. B
☒ 3. C
☒ 4. A

Question ID : 6789132745

Option 1 ID : 67891310980

Option 2 ID : 67891310978

Option 3 ID : 67891310979

Option 4 ID : 67891310977

Status : Answered

Chosen Option : 3

Q.1 The time period of a vibrating body is 0.04s, then the frequency of the wave is _____.
4

- Ans ☒ 1. 25Hz
☒ 2. 20Hz
☒ 3. 250Hz
☒ 4. 200Hz

Question ID : 6789132764

Option 1 ID : 67891311054

Option 2 ID : 67891311053

Option 3 ID : 67891311056

Option 4 ID : 67891311055

Status : Not Answered

Chosen Option : --

Q.1 In Modern Periodic Table, there is an anomaly when it comes to the position of _____ because it can be placed either
5 in group 1 or group 17 in the first period.

- Ans ☒ 1. He
☒ 2. H
☒ 3. Li
☒ 4. Be

Question ID : 6789132774

Option 1 ID : 67891311093

Option 2 ID : 67891311094

Option 3 ID : 67891311095

Option 4 ID : 67891311096

Status : Answered

Chosen Option : 2

Q.1
6 What is the scientific term for the speed of an object moving in a definite direction?

- Ans
- ☐ 1. Time
 - ☐ 2. Acceleration
 - ☒ 3. Velocity
 - ☐ 4. Motion

Question ID : 6789132757

Option 1 ID : 67891311026

Option 2 ID : 67891311025

Option 3 ID : 67891311027

Option 4 ID : 67891311028

Status : Answered

Chosen Option : 3

Q.1
7 Who has been appointed as the Executive Director of Canara Bank?

- Ans
- ☐ 1. Ravi Venkatesan
 - ☐ 2. Murali Ramaswami
 - ☐ 3. Mahesh kumar jain
 - ☒ 4. Debashish Mukherjee

Question ID : 6789132788

Option 1 ID : 67891311149

Option 2 ID : 67891311152

Option 3 ID : 67891311151

Option 4 ID : 67891311150

Status : Not Answered

Chosen Option : --

Q.1
8 The sample space of four coins tossed together is :

- Ans
- ☐ 1. 8
 - ☐ 2. 64
 - ☐ 3. 32
 - ☒ 4. 16

Question ID : 6789132722

Option 1 ID : 67891310887

Option 2 ID : 67891310888

Option 3 ID : 67891310886

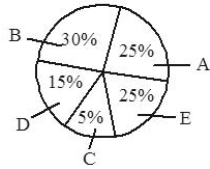
Option 4 ID : 67891310885

Status : Not Answered

Chosen Option : --

Q.1
9

The following pie diagram shows information about tyres manufacturing data from various companies in India during 2017. If the total tyres produced in India during 2017 was 1,80,000 units, how many units of tyres were produced by company 'D'?



- Ans ☒ 1. 18000
☒ 2. 36000
☒ 3. 9000
☒ 4. 27000

Question ID : 6789132741
 Option 1 ID : 67891310962
 Option 2 ID : 67891310964
 Option 3 ID : 67891310961
 Option 4 ID : 67891310963

Status : Answered

Chosen Option : 4

Q.2 One way of dating fossils is by detecting the ratio of different _____ of the same element in the fossil material.

- Ans ☒ 1. allotropes
☒ 2. isotopes
☒ 3. isobars
☒ 4. isomers

Question ID : 6789132780
 Option 1 ID : 67891311120
 Option 2 ID : 67891311119
 Option 3 ID : 67891311118
 Option 4 ID : 67891311117

Status : Answered

Chosen Option : 2

Q.2 Two pipes, A and B, can fill a tank in X minutes and 6 minutes, respectively. If both the pipes are used together, then they take 1.5 minute to fill the tank. Find the value of X.

- Ans ☒ 1. 1 min
☒ 2. 4 min
☒ 3. 5 min
☒ 4. 2 min

Question ID : 6789132720
 Option 1 ID : 67891310877
 Option 2 ID : 67891310879
 Option 3 ID : 67891310880
 Option 4 ID : 67891310878

Status : Answered

Chosen Option : 4

2 $551 \div 29 = 19$. Then $5.51 \div 0.0019 = ?$

- Ans ☒ 1. 2.9
☒ 2. 290
☒ 3. 2900
☒ 4. 0.29

Question ID : 6789132707

Option 1 ID : 67891310825

Option 2 ID : 67891310826

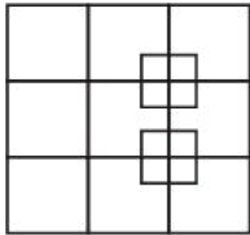
Option 3 ID : 67891310827

Option 4 ID : 67891310828

Status : Answered

Chosen Option : 3

Q.2 Find the number of squares in the following figure.



- Ans ☒ 1. 24
☒ 2. 20
☒ 3. 22
☒ 4. 26

Question ID : 6789132750

Option 1 ID : 67891310999

Option 2 ID : 67891310997

Option 3 ID : 67891310998

Option 4 ID : 67891311000

Status : Answered

Chosen Option : 1

Q.2 Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statements:

- I. All snakes are poisonous.
II. All poisonous are reptiles.

Conclusions:

1. All snakes are reptiles.
2. Some reptiles are poisonous.

- Ans ☒ 1. Neither 1 nor 2 follows.
☒ 2. Conclusion 2 alone follows.

✓ 3. Both 1 and 2 follows.

✗ 4. Conclusion 1 alone follows.

Question ID : 6789132729

Option 1 ID : 67891310916

Option 2 ID : 67891310915

Option 3 ID : 67891310914

Option 4 ID : 67891310913

Status : Answered

Chosen Option : 4

Q.2
5 What is the HCF of 16, 72 and 28 ?

Ans ✗ 1. 3

✓ 2. 4

✗ 3. 2

✗ 4. 1

Question ID : 6789132705

Option 1 ID : 67891310819

Option 2 ID : 67891310820

Option 3 ID : 67891310818

Option 4 ID : 67891310817

Status : Answered

Chosen Option : 2

Q.2
6 Sagar Baheti has become the first visually impaired Indian runner to complete the historic Boston Marathon. Where does Sagar hail from?

Ans ✗ 1. Mumbai

✓ 2. Bengaluru

✗ 3. New Delhi

✗ 4. Chennai

Question ID : 6789132781

Option 1 ID : 67891311122

Option 2 ID : 67891311121

Option 3 ID : 67891311123

Option 4 ID : 67891311124

Status : Not Answered

Chosen Option : --

Q.2
7

Select the option that can replace the question mark (?) in the following series.

<table><tr><td>$\leq \ell$</td><td>$\pm^* \Omega$</td></tr><tr><td>$/\pm \backslash$</td><td>$\pm^*$</td></tr></table>	$\leq \ell$	$\pm^* \Omega$	$/\pm \backslash$	$\pm^*$	<table><tr><td>$\backslash \pm /$</td><td>$\ell \leq$</td></tr><tr><td>$\pm^*$</td><td>$\Omega \pm^*$</td></tr></table>	$\backslash \pm /$	$\ell \leq$	$\pm^*$	$\Omega \pm^*$	<table><tr><td>$\pm^*$</td><td>$/\pm \backslash$</td></tr><tr><td>$\pm^* \Omega$</td><td>$\leq \ell$</td></tr></table>	$\pm^*$	$/\pm \backslash$	$\pm^* \Omega$	$\leq \ell$	?
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$\Omega \pm^*$	$\pm^*$								
$\ell \leq$	$\backslash \pm /$								
$\Omega \pm^*$	$/\pm^*$								
$\ell \leq$	$\pm$								

- Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 6789132749

Option 1 ID : 67891310993

Option 2 ID : 67891310994

Option 3 ID : 67891310995

Option 4 ID : 67891310996

Status : Answered

Chosen Option : 3

Q.2 Consider the given statements to be true even if they seem to be at variance with the commonly known facts and decide which of the given conclusions logically follows from the statements.

Statements:

Some Penguins are Peacocks.

All the Peacocks are Snakes.

Conclusions:

1. Some penguins are snakes.

2. No peacock is a penguin.

- Ans ☒ 1. Either 1 or 2 follows.
☒ 2. Only 2 follows.
☒ 3. Neither 1 nor 2 follows.
☒ 4. Only 1 follows.

Question ID : 6789132731

Option 1 ID : 67891310924

Option 2 ID : 67891310922

Option 3 ID : 67891310923

Q.2 Given below is a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement: Amit can make students understand the complex mathematical problems in a easy way.

Assumptions:

- I. Amit likes Mathematics.
- II. Amit can teach physics well.

- Ans**
- ☒ 1. Both I and II are implicit.
 - ☒ 2. Only assumption II is implicit
 - ☒ 3. Neither I nor II is implicit
 - ☒ 4. Only assumption I is implicit

Question ID : 6789132734
Option 1 ID : 67891310936
Option 2 ID : 67891310934
Option 3 ID : 67891310935
Option 4 ID : 67891310933
Status : Answered
Chosen Option : 4

Q.3 A sum of ₹ 110 is in the form of ₹ 2, ₹ 1 and 50 paise coins in the ratio of 1 : 2 : 3, respectively. How many 50 paise coins are there?

- Ans**
- ☒ 1. 20
 - ☒ 2. 60
 - ☒ 3. 40
 - ☒ 4. 80

Question ID : 6789132712
Option 1 ID : 67891310845
Option 2 ID : 67891310847
Option 3 ID : 67891310846
Option 4 ID : 67891310848
Status : Not Answered
Chosen Option : --

Q.3 'Real' is the currency of which country?

- Ans**
- ☒ 1. South Africa
 - ☒ 2. Brazil
 - ☒ 3. Ghana
 - ☒ 4. Cambodia

Question ID : 6789132797
Option 1 ID : 67891311188
Option 2 ID : 67891311185
Option 3 ID : 67891311187
Option 4 ID : 67891311186
Status : Not Answered

Chosen Option : --

Q.3 Panu, Jiban and Jalil can complete a certain task individually in 30, 20 and 60 days, respectively. Jiban started work on the task and Panu and Jalil agreed to help Jiban on every third day. How many days will it take to complete the task?

- Ans
- ☒ 1. 13
 - ☒ 2. 12
 - ☒ 3. 14
 - ☒ 4. 15

Question ID : 6789132715

Option 1 ID : 67891310858

Option 2 ID : 67891310857

Option 3 ID : 67891310859

Option 4 ID : 67891310860

Status : Not Answered

Chosen Option : --

Q.3 You are driving from point A to point B at a speed of 45 km/hr. Your friend is driving from point B to point A at a speed of 53 km/hr. If the distance between the two points is 1029 km and both of you started at the same time, how many hours will it be before you pass each other ?

- Ans
- ☒ 1. 9.5
 - ☒ 2. 10
 - ☒ 3. 11
 - ☒ 4. 10.5

Question ID : 6789132713

Option 1 ID : 67891310849

Option 2 ID : 67891310850

Option 3 ID : 67891310852

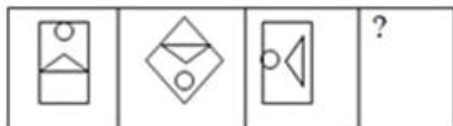
Option 4 ID : 67891310851

Status : Not Answered

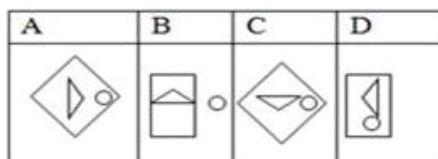
Chosen Option : --

Q.3 Select the option figure that will complete the series of question figures.

Question figures



Option figures



- Ans
- ☒ 1. B
 - ☒ 2. C

- ☒ 3. D
☒ 4. A

Question ID : 6789132746
Option 1 ID : 67891310984
Option 2 ID : 67891310983
Option 3 ID : 67891310982
Option 4 ID : 67891310981
Status : Answered
Chosen Option : 4

Q.3
5 In a garden of 42 trees, $\frac{3}{7}$ of them are Neem trees and the rest are Mango trees. Find the number of Mango trees.

- Ans ☒ 1. 16
☒ 2. 24
☒ 3. 20
☒ 4. 18

Question ID : 6789132704
Option 1 ID : 67891310816
Option 2 ID : 67891310813
Option 3 ID : 67891310815
Option 4 ID : 67891310814
Status : Answered
Chosen Option : 2

Q.3
6 Where is GIFT city of India being planned by the government?

- Ans ☒ 1. Ahmedabad
☒ 2. Mysore
☒ 3. Hyderabad
☒ 4. Jaipur

Question ID : 6789132799
Option 1 ID : 67891311193
Option 2 ID : 67891311194
Option 3 ID : 67891311195
Option 4 ID : 67891311196
Status : Answered
Chosen Option : 1

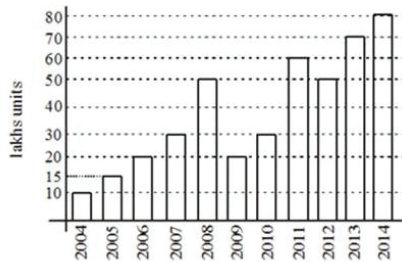
Q.3
7 An object of mass 13 kg is moving with a uniform velocity of 5 ms^{-1} . What is the kinetic energy possessed by the object?

- Ans ☒ 1. 187.5 J
☒ 2. 17.5 J
☒ 3. 162.5 J
☒ 4. 162.5 ms

Question ID : 6789132761
Option 1 ID : 67891311041
Option 2 ID : 67891311043

Option 3 ID : 67891311044
Option 4 ID : 67891311042
Status : Not Answered
Chosen Option : --

Q.3 The following bar graph shows information on the sales of the personal computers by the company "XYZ" for the last 10 years



How many units of personal computers were sold by the company XYZ in 2011?

- Ans ☒ 1. 60
☒ 2. 50
☒ 3. 80
☒ 4. 70

Question ID : 6789132742
Option 1 ID : 67891310966
Option 2 ID : 67891310965
Option 3 ID : 67891310968
Option 4 ID : 67891310967
Status : Answered
Chosen Option : 1

Q.3 In which state of India 'Chhappar Mela' a social festival is organised?

- Ans ☒ 1. Punjab
☒ 2. Bihar
☒ 3. Odisha
☒ 4. Gujarat

Question ID : 6789132786
Option 1 ID : 67891311144
Option 2 ID : 67891311142
Option 3 ID : 67891311143
Option 4 ID : 67891311141
Status : Not Answered
Chosen Option : --

Q.4 A company's CEO discusses the fund allocation with the CFO. This year the fund for new product development has increased by one third of the fund allocated last year. Last year ₹ 20,00,000 was allotted for various activities including product development that amounts to 30% of the activities. How much money is the CFO allocating for product development this year?

- Ans ☒ 1. ₹ 8,00,000
☒ 2. ₹ 10,00,000
☒ 3. ₹ 12,00,000

☒ 4. ₹ 6,00,000

Question ID : 6789132743

Option 1 ID : 67891310971

Option 2 ID : 67891310972

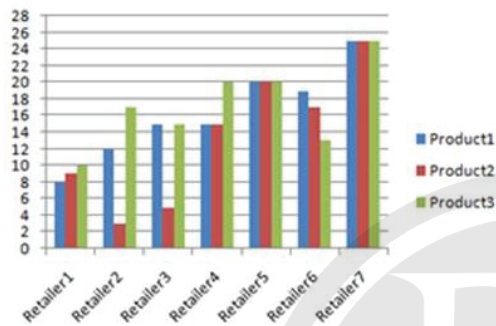
Option 3 ID : 67891310970

Option 4 ID : 67891310969

Status : Answered

Chosen Option : 1

Q.4
1 Based on the following graph, which retailer offers all the three products for less than ₹ 10 each?



Note: The X axis indicates price in rupees and Y axis represents the retailer.

- Ans ☒ 1. Retailer 4
☒ 2. Retailer 2
☒ 3. Retailer 3
☒ 4. Retailer 1

Question ID : 6789132740

Option 1 ID : 67891310957

Option 2 ID : 67891310959

Option 3 ID : 67891310958

Option 4 ID : 67891310960

Status : Answered

Chosen Option : 4

Q.4
2 Transfer of pollengrains from anther to the stigma of a flower is called _____.

- Ans ☒ 1. Pollination
☒ 2. Regeneration
☒ 3. Transpiration
☒ 4. Sexual reproduction

Question ID : 6789132779

Option 1 ID : 67891311116

Option 2 ID : 67891311115

Option 3 ID : 67891311113

Option 4 ID : 67891311114

Status : Answered

Chosen Option : 1

Q.4

3 Find the odd one out.



- Ans
- ☒ 1. B
 - ☒ 2. A
 - ☒ 3. D
 - ☒ 4. C

Question ID : 6789132747

Option 1 ID : 67891310986

Option 2 ID : 67891310985

Option 3 ID : 67891310988

Option 4 ID : 67891310987

Status : Not Answered

Chosen Option : --

Q.4
4 If $\tan \theta = \frac{a}{b}$ such that $\frac{a \sin \theta - b \cos \theta}{a \sin \theta + b \cos \theta} = \left(\frac{a^2 - b^2}{a^2 + b^2} \right)^k$, then k is?

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

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Question ID : 6789132723

Option 1 ID : 67891310891

Option 2 ID : 67891310889

Option 3 ID : 67891310890

Option 4 ID : 67891310892

Status : Answered

Chosen Option : 2

Q.4
5 1200 soldiers in a fort had enough food for 28 days. After 4 days, some soldiers left the fort. Thus, food lasted for 32 more days. How many soldiers left?

- Ans
- ☒ 1. 280
 - ☒ 2. 300
 - ☒ 3. 320
 - ☒ 4. 290

Question ID : 6789132709

Option 1 ID : 67891310833

Option 2 ID : 67891310834

Option 3 ID : 67891310836

Option 4 ID : 67891310835

Status : Answered

Chosen Option : 2

Q.4 In June 2017, NASA launched the world's lightest satellite which weighs 64 grams created by Chennai students. What is it called?

- Ans
- ☒ 1. Kalam SAT
 - ☐ 2. Cartosat-2C
 - ☐ 3. IRNNS-1G
 - ☐ 4. GSAT_6

Question ID : 6789132800

Option 1 ID : 67891311198

Option 2 ID : 67891311200

Option 3 ID : 67891311199

Option 4 ID : 67891311197

Status : Answered

Chosen Option : 1

Q.4 Who invented a smart glove called TerraBlue XT - TJay that predicts epileptic seizures?

- Ans
- ☒ 1. Rajlakshmi Borthakur
 - ☐ 2. Ankita Deka
 - ☐ 3. Archana SR
 - ☐ 4. Chayanika Baruah

Question ID : 6789132789

Option 1 ID : 67891311155

Option 2 ID : 67891311156

Option 3 ID : 67891311153

Option 4 ID : 67891311154

Status : Answered

Chosen Option : 1

Q.4 As of March 2018, how many Indians have won Grand Slam tournaments in tennis?

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

Question ID : 6789132782

Option 1 ID : 67891311127

Option 2 ID : 67891311126

Option 3 ID : 67891311125

Option 4 ID : 67891311128

Status : Answered

Chosen Option : 4

Q.4 The age of a mother 10 years ago was thrice the age of her son. 10 years hence, the mother's age will be twice that of her son. The ratio of their present ages is :

- Ans
- ☐ 1. 12 : 5
 - ☐ 2. 6 : 1
 - ☒ 3. 7 : 3
 - ☐ 4. 4 : 2

Question ID : 6789132718
Option 1 ID : 67891310872
Option 2 ID : 67891310871
Option 3 ID : 67891310870
Option 4 ID : 67891310869
Status : Answered
Chosen Option : 4

Q.5 Which of the following represents the equation for position-time relation?

- Ans
- ☒ 1. $2as = v^2 - u^2$
 - ☒ 2. $s = ut + \frac{1}{2}at^2$
 - ☒ 3. $v = u + at$
 - ☒ 4. $V = u + at$

Question ID : 6789132758
Option 1 ID : 67891311031
Option 2 ID : 67891311030
Option 3 ID : 67891311032
Option 4 ID : 67891311029
Status : Not Answered
Chosen Option : --

Q.5 In a group of 100 students, every student studies 8 subjects and every subject is studied by 10 students. The number of subjects are :

- Ans
- ☒ 1. Exactly 80
 - ☒ 2. May be 50
 - ☒ 3. At most 30
 - ☒ 4. At least 90

Question ID : 6789132724
Option 1 ID : 67891310896
Option 2 ID : 67891310893
Option 3 ID : 67891310895
Option 4 ID : 67891310894
Status : Answered
Chosen Option : 1

Q.5 For creating how many safe cities, has the Union Ministry of Women and Child Development approved projects worth ₹ 2,919 crore under Nirbhaya Fund?

- Ans
- ☒ 1. 8
 - ☒ 2. 12
 - ☒ 3. 5
 - ☒ 4. 15

Question ID : 6789132792
Option 1 ID : 67891311167
Option 2 ID : 67891311166
Option 3 ID : 67891311165
Option 4 ID : 67891311168
Status : Answered

Q.5
3 Which of the following laws is associated with the heating effect of electric current?

- Ans
- ☒ 1. Joule's law
 - ☐ 2. Ohm's law
 - ☐ 3. Faraday's law
 - ☐ 4. Newton's law

Question ID : 6789132766

Option 1 ID : 67891311062

Option 2 ID : 67891311061

Option 3 ID : 67891311064

Option 4 ID : 67891311063

Status : Answered

Chosen Option : 1

Q.5
4 The work done is zero if there is no _____.

- Ans
- ☐ 1. Power
 - ☐ 2. Momentum
 - ☐ 3. Velocity
 - ☒ 4. Displacement

Question ID : 6789132762

Option 1 ID : 67891311047

Option 2 ID : 67891311046

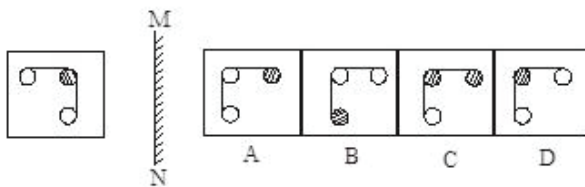
Option 3 ID : 67891311045

Option 4 ID : 67891311048

Status : Answered

Chosen Option : 4

Q.5
5 Choose the mirror image for the following figure.



- Ans
- ☐ 1. B
 - ☐ 2. A
 - ☒ 3. D
 - ☐ 4. C

Question ID : 6789132755

Option 1 ID : 67891311018

Option 2 ID : 67891311017

Option 3 ID : 67891311020

Option 4 ID : 67891311019

Status : Answered

Chosen Option : 3

Q.5
6 The force of gravitation between two bodies in the universe does NOT depend on :

- Ans
- ☐ 1. the distance between them
 - ☒ 2. the sum of their masses
 - ☐ 3. the gravitational constant
 - ☐ 4. the product of their masses

Question ID : 6789132759

Option 1 ID : 67891311033

Option 2 ID : 67891311036

Option 3 ID : 67891311035

Option 4 ID : 67891311034

Status : Answered

Chosen Option : 3

Q.5
7 The 17th Lok Sabha elections are proposed to be held in which year?

- Ans
- ☐ 1. 2020
 - ☒ 2. 2019
 - ☐ 3. 2024
 - ☐ 4. 2022

Question ID : 6789132793

Option 1 ID : 67891311170

Option 2 ID : 67891311169

Option 3 ID : 67891311172

Option 4 ID : 67891311171

Status : Answered

Chosen Option : 2

Q.5
8 The Black soil is also known as _____ soil.

- Ans
- ☐ 1. Bhangar
 - ☐ 2. Humus
 - ☐ 3. Crystalline
 - ☒ 4. Regur

Question ID : 6789132796

Option 1 ID : 67891311183

Option 2 ID : 67891311182

Option 3 ID : 67891311184

Option 4 ID : 67891311181

Status : Answered

Chosen Option : 4

Q.5
9 Which of the following sport is Yuzvendra Chahal related to?

- Ans
- ☐ 1. Tennis
 - ☒ 2. Cricket
 - ☐ 3. Shooting

☒ 4. Hockey

Question ID : 6789132783

Option 1 ID : 67891311131

Option 2 ID : 67891311129

Option 3 ID : 67891311132

Option 4 ID : 67891311130

Status : Answered

Chosen Option : 2

Q.6
0 If A is the sister of C and C is the wife of D. How D is related to A?

- Ans ☒ 1. Sister
☒ 2. Brother-in-law
☒ 3. Brother
☒ 4. Sister-in-law

Question ID : 6789132728

Option 1 ID : 67891310909

Option 2 ID : 67891310912

Option 3 ID : 67891310911

Option 4 ID : 67891310910

Status : Answered

Chosen Option : 4

Q.6
1 Find the next number in the series.

4, 9, 20, 43, ?

- Ans ☒ 1. 100
☒ 2. 92
☒ 3. 82
☒ 4. 90

Question ID : 6789132736

Option 1 ID : 67891310943

Option 2 ID : 67891310941

Option 3 ID : 67891310944

Option 4 ID : 67891310942

Status : Not Answered

Chosen Option : --

Q.6
2 Select the institution that does not belong to the group.

- Ans ☒ 1. NIT Warangal
☒ 2. IIM Ahmedabad
☒ 3. State Bank of India (SBI)
☒ 4. IIT Mumbai

Question ID : 6789132726

Option 1 ID : 67891310902

Option 2 ID : 67891310904
Option 3 ID : 67891310903
Option 4 ID : 67891310901
Status : Answered
Chosen Option : 3

Q.6 10 men can finish painting a wall in 8 days. How many more men will be needed if the painting work is to be finished
3 in 4 days?

- Ans
- ☒ 1. 8
 - ☒ 2. 5
 - ☒ 3. 10
 - ☒ 4. 20

Question ID : 6789132714
Option 1 ID : 67891310856
Option 2 ID : 67891310855
Option 3 ID : 67891310854
Option 4 ID : 67891310853
Status : Answered
Chosen Option : 4

Q.6 The HCF of 156, 312 and 195 is :
4

- Ans
- ☒ 1. 39
 - ☒ 2. 3
 - ☒ 3. 78
 - ☒ 4. 13

Question ID : 6789132701
Option 1 ID : 67891310804
Option 2 ID : 67891310802
Option 3 ID : 67891310801
Option 4 ID : 67891310803
Status : Answered
Chosen Option : 1

Q.6 Who is the incumbent Honourable Speaker of the Lok Sabha?
5

- Ans
- ☒ 1. Sumitra Mahajan
 - ☒ 2. Manohar Joshi
 - ☒ 3. Meira Kumar
 - ☒ 4. Somnath Chatterjee

Question ID : 6789132791
Option 1 ID : 67891311161
Option 2 ID : 67891311164
Option 3 ID : 67891311162
Option 4 ID : 67891311163
Status : Answered
Chosen Option : 1

Q.6 Pointing to a woman, Raghav said, "Her son is my daughter's uncle". How is the woman related to Raghav?
6

- Ans ☒ 1. Sister
☒ 2. Mother
☒ 3. Daughter
☒ 4. Grandmother

Question ID : 6789132730
Option 1 ID : 67891310918
Option 2 ID : 67891310917
Option 3 ID : 67891310919
Option 4 ID : 67891310920
Status : Answered
Chosen Option : 2

Q.6
7 The number of odd days in a NON leap year is :

- Ans ☒ 1. 1
☒ 2. 2
☒ 3. 4
☒ 4. 3

Question ID : 6789132719
Option 1 ID : 67891310873
Option 2 ID : 67891310874
Option 3 ID : 67891310876
Option 4 ID : 67891310875
Status : Answered
Chosen Option : 2

Q.6
8 Which one of the following is NOT linked to the cerebrum ?

- Ans ☒ 1. It is a part of forebrain
☒ 2. It has two parts called cerebral hemispheres.
☒ 3. It forms the front, superior and lateral side of the brain
☒ 4. It is the largest part constituting 60% of the brain.

Question ID : 6789132778
Option 1 ID : 67891311109
Option 2 ID : 67891311112
Option 3 ID : 67891311111
Option 4 ID : 67891311110
Status : Answered
Chosen Option : 2

Q.6
9 Who is the managing director and CEO of Axis Bank as of 2018?

- Ans ☒ 1. Chanda Kochhar
☒ 2. Arundhati Bhattacharya
☒ 3. Shikha Sharma
☒ 4. Sanjaya Sharma

Question ID : 6789132787

Option 1 ID : 67891311145

Option 2 ID : 67891311148

Option 3 ID : 67891311146

Option 4 ID : 67891311147

Status : Answered

Chosen Option : 3

Q.7
0 Which South Indian film stars have formally entered politics recently?

- Ans
- ☒ 1. Vijay and Surya
 - ☒ 2. Siddharth and Madhavan
 - ☒ 3. Ajith and Shalini
 - ☒ 4. Rajinikanth and Kamal Haasan

Question ID : 6789132790

Option 1 ID : 67891311159

Option 2 ID : 67891311157

Option 3 ID : 67891311158

Option 4 ID : 67891311160

Status : Answered

Chosen Option : 4

Q.7
1 If the number $x3339$ is divisible by 11, what is the face value of x ?

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

Question ID : 6789132706

Option 1 ID : 67891310824

Option 2 ID : 67891310822

Option 3 ID : 67891310821

Option 4 ID : 67891310823

Status : Answered

Chosen Option : 3

Q.7
2 Mahavira is believed to be the last of the _____ Tirthankaras.

- Ans
- ☒ 1. 26
 - ☒ 2. 22
 - ☒ 3. 20
 - ☒ 4. 24

Question ID : 6789132795

Option 1 ID : 67891311178

Option 2 ID : 67891311179

Option 3 ID : 67891311180

Option 4 ID : 67891311177

Status : Answered

Chosen Option : 4

Q.7
3 What comes next in the given series?

6C, 10F, 14I, 18L, ?

- Ans
- ☒ 1. 22G
 - ☒ 2. 22O
 - ☒ 3. 20T
 - ☒ 4. 22L

Question ID : 6789132737

Option 1 ID : 67891310946

Option 2 ID : 67891310947

Option 3 ID : 67891310945

Option 4 ID : 67891310948

Status : Answered

Chosen Option : 2

Q.7
4 If 3 is added to both the numerator and the denominator, the fraction becomes $\frac{10}{11}$. When 4 is subtracted from both the numerator and the denominator of the same fraction, it becomes $\frac{3}{4}$. What is the value of the fraction?

- Ans
- ☒ 1. $\frac{3}{5}$
 - ☒ 2. $\frac{7}{8}$
 - ☒ 3. $\frac{3}{4}$
 - ☒ 4. $\frac{6}{13}$

Question ID : 6789132703

Option 1 ID : 67891310812

Option 2 ID : 67891310810

Option 3 ID : 67891310809

Option 4 ID : 67891310811

Status : Answered

Chosen Option : 2

Q.7
5 Which of the following plants is NOT a Thallophyta?

- Ans
- ☒ 1. Spirogyra
 - ☒ 2. Ulva
 - ☒ 3. Riccia
 - ☒ 4. Chara

Question ID : 6789132776

Option 1 ID : 67891311101

Option 2 ID : 67891311103

Option 3 ID : 67891311104

Option 4 ID : 67891311102

Status : Answered

Chosen Option : 1

Q.7 In which of the following classifications are the elements arranged in the order of their increasing atomic number?
6

- Ans ☒ 1. The Modern Periodic Table
☒ 2. Mendeleev's Periodic Table
☒ 3. Newland's Law of Octaves
☒ 4. Dobereiner's Triads

Question ID : 6789132775

Option 1 ID : 67891311099

Option 2 ID : 67891311097

Option 3 ID : 67891311100

Option 4 ID : 67891311098

Status : Answered

Chosen Option : 1

Q.7 The difference between the selling prices of a keyboard at losses 15% and 25% is ₹ 50. Then the cost price of a
7 keyboard is :

- Ans ☒ 1. ₹ 240
☒ 2. ₹ 330
☒ 3. ₹ 300
☒ 4. ₹ 500

Question ID : 6789132711

Option 1 ID : 67891310842

Option 2 ID : 67891310841

Option 3 ID : 67891310843

Option 4 ID : 67891310844

Status : Answered

Chosen Option : 4

Q.7 Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the
8 statement(s).

Statement :

Sound is produced when something vibrates. The vibrating body causes the medium around it to vibrate.

Conclusions:

I. By medium, they mean only Air

II. Sound is produced by vibration

- Ans ☒ 1. Only conclusion I follows
☒ 2. Both the conclusions follow
☒ 3. Only conclusion II follows
☒ 4. No conclusion follows

Question ID : 6789132735

Option 1 ID : 67891310937

Option 2 ID : 67891310940

Option 3 ID : 67891310938

Option 4 ID : 67891310939

Status : Answered

Chosen Option : 3

Q.7
9 Which of the below allotropes of carbon is in the form of geodesic globe?

- Ans ☒ 1. Fullerene
☒ 2. Carbon nanotube
☒ 3. Graphite
☒ 4. Diamond

Question ID : 6789132772

Option 1 ID : 67891311087

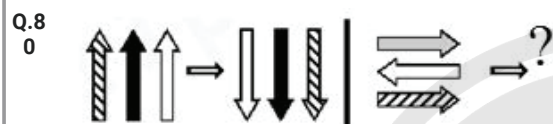
Option 2 ID : 67891311088

Option 3 ID : 67891311086

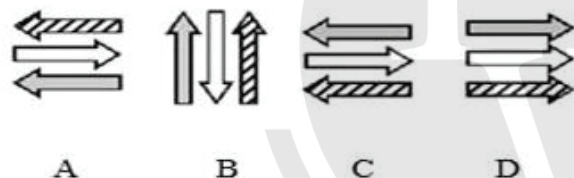
Option 4 ID : 67891311085

Status : Answered

Chosen Option : 1



Which of the below picture correctly fits the above blank space(?) ?



- Ans ☒ 1. C
☒ 2. A
☒ 3. B
☒ 4. D

Question ID : 6789132748

Option 1 ID : 67891310991

Option 2 ID : 67891310989

Option 3 ID : 67891310990

Option 4 ID : 67891310992

Status : Answered

Chosen Option : 1

Q.8
1 Which of the following energy varies with the height of an object?

- Ans ☒ 1. Nuclear energy
☒ 2. Kinetic energy
☒ 3. Chemical energy
☒ 4. Potential energy

Question ID : 6789132760

Option 1 ID : 67891311040

Option 2 ID : 67891311037

Option 3 ID : 67891311038
Option 4 ID : 67891311039
Status : Answered
Chosen Option : 4

Q.8
2 The chemical name of _____ is calcium sulphate hemihydrate.

- Ans
- ☐ 1. Baking powder
 - ☐ 2. Gypsum
 - ☐ 3. Baking soda
 - ☒ 4. Plaster of Paris

Question ID : 6789132771
Option 1 ID : 67891311083
Option 2 ID : 67891311081
Option 3 ID : 67891311084
Option 4 ID : 67891311082
Status : Not Answered
Chosen Option : --

Q.8
3 _____ is least reactive element belonging to group 17.

- Ans
- ☐ 1. Bromine
 - ☒ 2. Iodine
 - ☐ 3. Chlorine
 - ☐ 4. Fluorine

Question ID : 6789132767
Option 1 ID : 67891311068
Option 2 ID : 67891311065
Option 3 ID : 67891311066
Option 4 ID : 67891311067
Status : Answered
Chosen Option : 1

Q.8
4 The zeros of the cubic polynomial $2x^3 - x^2 - 2x + 1$ are a , b and c respectively. Find $ab + bc + ca = ?$

- Ans
- ☐ 1. 2
 - ☐ 2. 0
 - ☐ 3. +1
 - ☒ 4. -1

Question ID : 6789132721
Option 1 ID : 67891310882
Option 2 ID : 67891310881
Option 3 ID : 67891310884
Option 4 ID : 67891310883
Status : Not Answered
Chosen Option : --

Q.8
5

Which of the following statements is/are true?

A. Rigidity: According to the type of matter, shape differs, depending upon location of particles. Eg, solids have definite shape while liquids acquire the shape of their container and gases, as such, don't have any shape.

B. Compressibility: It is the property of matter to allow a decrease in volume under high pressure and gases show this property.

Ans ☒ 1. Only B is true

☒ 2. A and B are both true

☒ 3. A and B are both false

☒ 4. Only A is true

Question ID : 6789132769

Option 1 ID : 67891311074

Option 2 ID : 67891311075

Option 3 ID : 67891311076

Option 4 ID : 67891311073

Status : Answered

Chosen Option : 2

Q.8
6 In which year did the Partition of Bengal take place?

Ans ☒ 1. 1910

☒ 2. 1902

☒ 3. 1903

☒ 4. 1905

Question ID : 6789132794

Option 1 ID : 67891311173

Option 2 ID : 67891311175

Option 3 ID : 67891311176

Option 4 ID : 67891311174

Status : Answered

Chosen Option : 4

Q.8
7 Which of the following has low density and low melting point?

Ans ☒ 1. Na

☒ 2. Fe

☒ 3. Cu

☒ 4. Au

Question ID : 6789132773

Option 1 ID : 67891311091

Option 2 ID : 67891311089

Option 3 ID : 67891311090

Option 4 ID : 67891311092

Status : Answered

Chosen Option : 3

Q.8
8 In case of hypermetropia, where is the image formed?

Ans

- ☒ 1. In front of the retina
- ☒ 2. On the retina
- ☒ 3. Behind the retina
- ☒ 4. On the cornea

Question ID : 6789132763

Option 1 ID : 67891311051

Option 2 ID : 67891311049

Option 3 ID : 67891311050

Option 4 ID : 67891311052

Status : Answered

Chosen Option : 3

Q.8 The natural colour of litmus is _____.

- Ans 1. red
2. pink
3. blue
4. purple

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Question ID : 6789132770

Option 1 ID : 67891311080

Option 2 ID : 67891311077

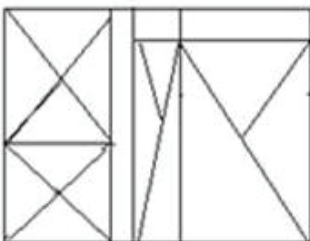
Option 3 ID : 67891311079

Option 4 ID : 67891311078

Status : Answered

Chosen Option : 2

Q.9 How many triangles are there in the following figure?



- Ans ☒ 1. 22
- ☒ 2. 27
- ☒ 3. 23
- ☒ 4. 24

Question ID : 6789132752

Option 1 ID : 67891311008

Option 2 ID : 67891311005

Option 3 ID : 67891311007

Option 4 ID : 67891311006

Status : Answered

Chosen Option : 3

Q.9 Medha sells her bag for ₹ 300 and loses ₹ 60. At what price must she sell the article to gain 15%?

1

- Ans
- ☒ 1. 146
 - ☒ 2. 172
 - ☒ 3. 414
 - ☒ 4. 516

Question ID : 6789132739

Option 1 ID : 67891310955

Option 2 ID : 67891310953

Option 3 ID : 67891310954

Option 4 ID : 67891310956

Status : Answered

Chosen Option : 4

Q.9 Nandini is sister of Vani. How is Nandini's only sister's fathers father related to Vani?

2

- Ans
- ☒ 1. Uncle
 - ☒ 2. Cousin
 - ☒ 3. Father
 - ☒ 4. Paternal Grand father

Question ID : 6789132727

Option 1 ID : 67891310906

Option 2 ID : 67891310907

Option 3 ID : 67891310908

Option 4 ID : 67891310905

Status : Answered

Chosen Option : 4

Q.9 Supriya is playing chess with pallavi. If Supriya is facing North direction, in which direction Pallavi is facing considering the standard chess seating position?

3

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

Question ID : 6789132754

Option 1 ID : 67891311013

Option 2 ID : 67891311016

Option 3 ID : 67891311014

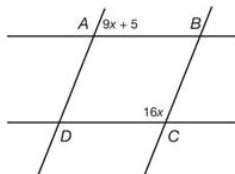
Option 4 ID : 67891311015

Status : Answered

Chosen Option : 3

Q.9 Find the measure of angle ABC (in degrees) in the parallelogram ABCD as shown in the given figure:

4



- Ans ☒ 1. 68
☒ 2. 112
☒ 3. 102
☒ 4. 78

Question ID : 6789132725
Option 1 ID : 67891310900
Option 2 ID : 67891310897
Option 3 ID : 67891310898
Option 4 ID : 67891310899
Status : Not Answered
Chosen Option : --

Q.9
5 The difference between a fraction and its reciprocal is $\frac{9}{11}$. If the cubes of both the fraction and its reciprocal are considered, what will be the difference between them?

- Ans ☒ 1. $\frac{3996}{1331}$
☒ 2. $-\frac{1331}{2538}$
☒ 3. $\frac{729}{1331}$
☒ 4. $-\frac{2538}{1331}$

Question ID : 6789132708
Option 1 ID : 67891310830
Option 2 ID : 67891310829
Option 3 ID : 67891310831
Option 4 ID : 67891310832
Status : Not Answered
Chosen Option : --

Q.9
6 Who invented the periodic table?

- Ans ☒ 1. Marie Curie
☒ 2. Dmitri Mendeleev
☒ 3. Antoine Lavoisier
☒ 4. Louis Pasteur

Question ID : 6789132798
Option 1 ID : 67891311191
Option 2 ID : 67891311190
Option 3 ID : 67891311189
Option 4 ID : 67891311192
Status : Answered
Chosen Option : 2

Q.9
7 Samu needs 40% to pass. If he scores 190 marks, but still falls short by 10 marks, then what is the maximum number of marks he could have scored?

- Ans ☒ 1. 400
☒ 2. 500

☒ 3. 450

☒ 4. 550

Question ID : 6789132716

Option 1 ID : 67891310861

Option 2 ID : 67891310863

Option 3 ID : 67891310862

Option 4 ID : 67891310864

Status : Answered

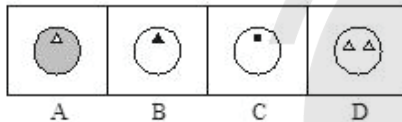
Chosen Option : 2

Q.9 Find the next figure for the given series:

Problem figures



Answer figures:



Ans ☒ 1. D

☒ 2. C

☒ 3. B

☒ 4. A

Question ID : 6789132744

Option 1 ID : 67891310976

Option 2 ID : 67891310975

Option 3 ID : 67891310974

Option 4 ID : 67891310973

Status : Answered

Chosen Option : 3

Q.9 The atomic mass of Calcium is :

Ans ☒ 1. 24

☒ 2. 40

☒ 3. 23

☒ 4. 32

Question ID : 6789132768

Option 1 ID : 67891311070

Option 2 ID : 67891311072

Option 3 ID : 67891311069

Option 4 ID : 67891311071

Status : Not Answered

Chosen Option : --

Q.1
00 What is the value of X ? , if $7580 - X = 3440$

- Ans
- ☒ 1. 4150
 - ☒ 2. 5140
 - ☒ 3. 4130
 - ☒ 4. 4140

Question ID : 6789132702

Option 1 ID : 67891310805

Option 2 ID : 67891310808

Option 3 ID : 67891310807

Option 4 ID : 67891310806

Status : Answered

Chosen Option : 4

