



**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.  $7\text{ ms}^{-1}$
  - 2.  $8\text{ ms}^{-1}$
  - 3.  $4\text{ ms}^{-1}$
  - 4.  $7\text{ ms}^{-1}$

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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

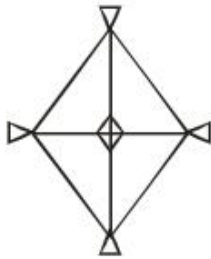
Chosen Option : --

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

adda24

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. 5<sup>th</sup> September
  - 2. 14<sup>th</sup> October
  - 3. 10<sup>th</sup> January
  - 4. 26<sup>th</sup> 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 6<sup>th</sup> term to the left of the 15<sup>th</sup> term from the left is :

**Ans** ✗ 1. W

✓ 2. %

✗ 3. 8

✗ 4. #

Question ID : 6789132738

Option 1 ID : 67891310950

Option 2 ID : 67891310951

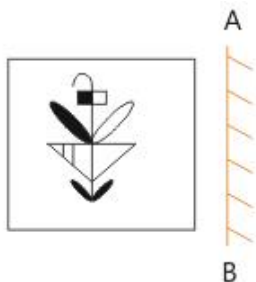
Option 3 ID : 67891310949

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**

X 1.



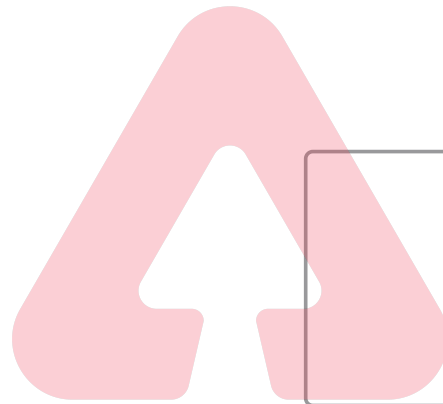
X 2.



✓ 3.



X 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 If the edge of a cube is halved, then its volume reduces to \_\_\_\_\_ times the actual volume.

2

Ans

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

X 2.  $\frac{1}{4}$

✓ 3.  $\frac{1}{8}$

X 4.  $\frac{1}{2}$

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Question ID : 6789132717

Option 1 ID : 67891310865

Option 2 ID : 67891310866

Option 3 ID : 67891310868

Option 4 ID : 67891310867

Status : Answered

Chosen Option : 2

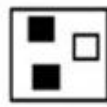
Q.1  
3



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 \_\_\_\_\_.

- 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 :

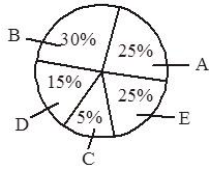
- Ans
- 1. 8
  - 2. 64
  - 3. 32
  - 4. 16

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

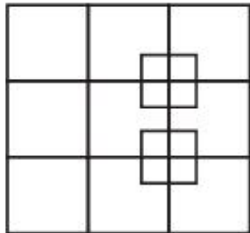
Option 3 ID : 67891310827

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

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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.

$\leq \ell$	$\pm^* \Omega$	$\backslash \pm /$	$\ell \leq$	$\pm^*$	$/ \pm \backslash$	?
$/ \pm \backslash$	$\pm^*$	$\pm^*$	$\Omega \pm^*$	$\pm^* \Omega$	$\leq \ell$	

<b>A</b>	<b>B</b>
$\pm$	$\Omega \pm^*$
$\ell \leq$	$/ \pm^*$
$\ell \leq$	$/ \pm^*$
$\ell \leq$	$\pm$
<b>C</b>	<b>D</b>
$\Omega \pm^*$	$\pm^*$
$\ell \leq$	$\backslash \pm /$
$\Omega \pm^*$	$/ \pm^*$
$\ell \leq$	$\pm$

- 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

Option 4 ID : 67891310921  
Status : Answered  
Chosen Option : 4

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 : --

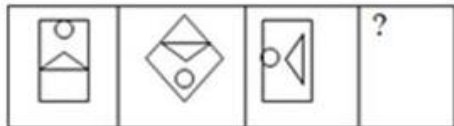
Q.3 You are driving from point A to point B at a speed of 45 km/hr. Your friend is driving from point B to point A at a speed of 53 km/hr. If the distance between the two points is 1029 km and both of you started at the same time, how many hours will it be before you pass each other ?

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

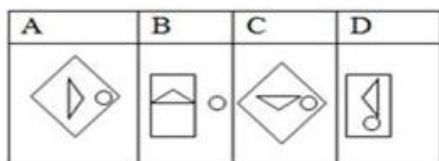
Question ID : 6789132713  
Option 1 ID : 67891310849  
Option 2 ID : 67891310850  
Option 3 ID : 67891310852  
Option 4 ID : 67891310851  
Status : Not Answered  
Chosen Option : --

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  $5 \text{ ms}^{-1}$ . 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

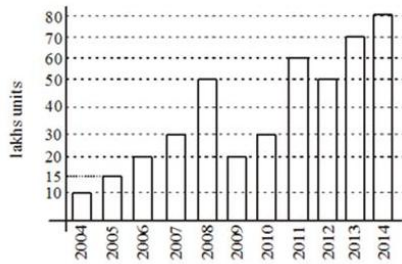
Question ID : 6789132761

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 'Chhpar 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?

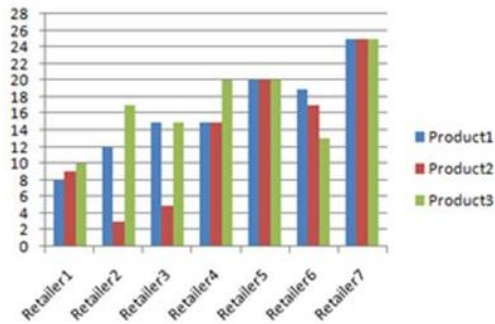
- Ans  1. ₹ 8,00,000  
 2. ₹ 10,00,000  
 3. ₹ 12,00,000



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



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

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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 Transfer of pollen grains from anther to the stigma of a flower is called \_\_\_\_\_.  
2

- 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.

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

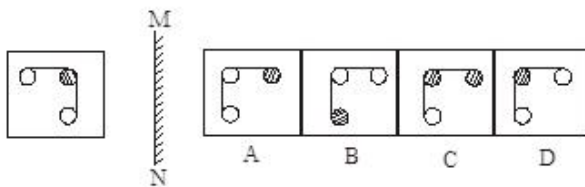
Option 3 ID : 67891311045

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 17<sup>th</sup> 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

adda24

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 statement(s).

8

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

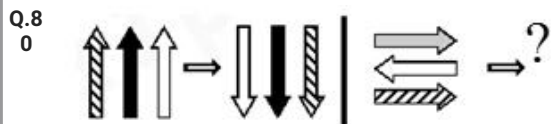
Option 2 ID : 67891311088

Option 3 ID : 67891311086

Option 4 ID : 67891311085

Status : Answered

Chosen Option : 1



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



A

B

C

D

- 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

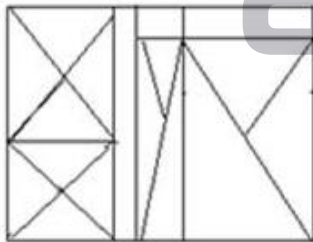
Q.8 The natural colour of litmus is \_\_\_\_\_.

- 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

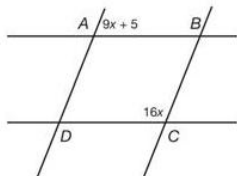
Option 4 ID : 67891311015

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

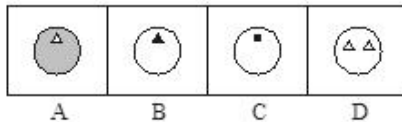
Chosen Option : 2

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

Problem figures



Answer figures:



Ans  1. D

2. C

3. B

4. A



adda247

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

