RAILWAY RECRUITMENT BOARDS
रेलवे भर्ती बोर्ड

Level-1 Posts CEN-02/2018

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Test Date:	11/10/2018
Test Time:	9:00 AM - 10:30 AM
Subject:	Level 1

1. Options shown in green color with a tick icon are correct
2. Chosen option on top right of the question indicates the option selected by the candidate
3. 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 $g=10ms^{-2}$)

What is its speed on striking the ground?

Ans ✗ 1. $7\ ms^{-1}$

✗ 2. $8\ ms^{-1}$

✗ 3. $4\ ms^{-1}$

✔ 4. $7\ ms^{-1}$

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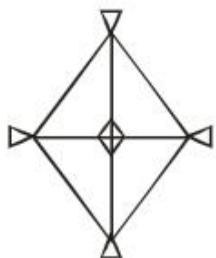
Q.4 Count the number of triangles in the figure.

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

Q.10 P 3 R I M J 3 Q % W @ / N $ 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. #

Q.11

A

B

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

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

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. $\frac{1}{2}$

Q.1 3
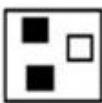
The figure that does not belong to the group is

Ans ✗ 1. D
     ✗ 2. B
     ✔ 3. C
     ✗ 4. A

Q.1 4 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

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

Ans ✗ 1. He
     ✔ 2. H
     ✗ 3. Li
     ✗ 4. Be

Q.16 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

Q.17 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

Q.18 The sample space of four coins tossed together is :

Ans
✗ 1. 8
✗ 2. 64
✗ 3. 32
✓ 4. 16
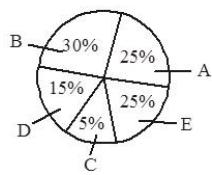
Q.19

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

Q.2 0 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

Q.2 1 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

Q.2

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

Ans ✗ 1. 2.9

✗ 2. 290

✔ 3. 2900

✗ 4. 0.29
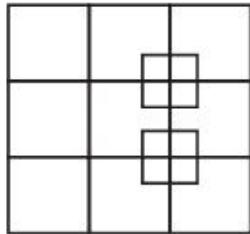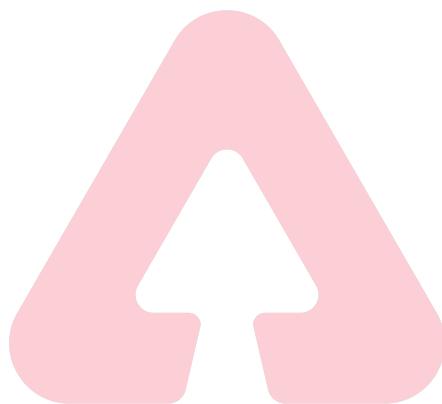
Q.23 Find the number of squares in the following figure.

Ans ✔ 1. 24

✗ 2. 20

✗ 3. 22

✗ 4. 26

Q.24 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.

Q.25 What is the HCF of 16, 72 and 28 ?

Ans ✘ 1. 3

✔ 2. 4

✘ 3. 2

✘ 4. 1

Q.26 Sagar Baheti has become the first visually impaired Indian runner to complete the historic Boston Marathon. Where does Sagar hail from?
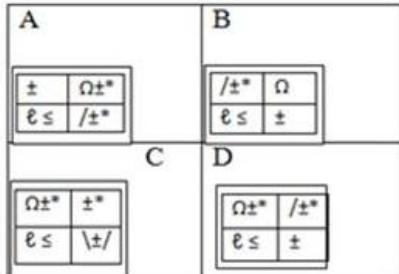
Ans ✘ 1. Mumbai

✔ 2. Bengaluru

✘ 3. New Delhi

✘ 4. Chennai

Q.27

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

			?
sℓ ±*Ω /±\ ±*	\±/ ℓ≤ ±* Ω±*	±* /±\ ±*Ω sℓ	

A	B
± Ω±* ℓ≤ /±*	/±* Ω ℓ≤ ±
C	**D**
Ω±* ±* ℓ≤ \±/	Ω±* /±* ℓ≤ ±

Ans ✗ 1. A

✗ 2. B

✔ 3. C

✗ 4. D

Q.28 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.

Q.29 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.30 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.31 '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**

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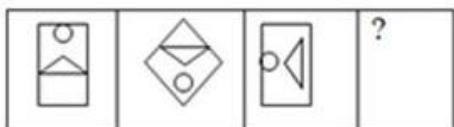
Question ID : **6789132713**
Option 1 ID : **67891310849**
Option 2 ID : **67891310850**
Option 3 ID : **67891310852**
Option 4 ID : **67891310851**
Status : **Not Answered**
Chosen Option : **--**

**Q.3
4** 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

Q.35 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

Q.36 Where is GIFT city of India being planned by the government?

Ans ✔ 1. Ahmedabad

✗ 2. Mysore

✗ 3. Hyderabad

✗ 4. Jaipur

Q.37 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
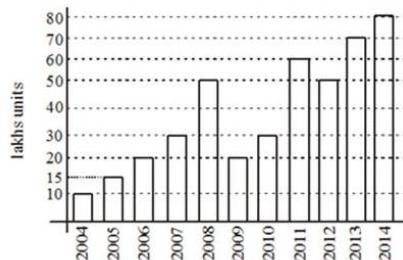
Q.38 The following bar graph shows information on the sales of the personal computers by the company "XYZ" for the last 10 years

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.39 In which state of India 'Chhapar 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 : **--**
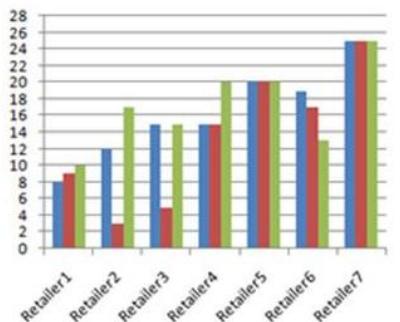
Q.40 A company's CEO discusses the fund allocation with the CFO. This year the fund for new product development has increased by one third of the fund allocated last year. Last year ₹ 20,00,000 was allotted for various activities including product development that amounts to 30% of the activities. How 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

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

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

Q.4

3 Find the odd one out.

A	B	C	D

Ans
❌ 1. B
❌ 2. A
✔️ 3. D
❌ 4. C

Q.4 4

If $\tan \theta = \dfrac{a}{b}$ such that $\dfrac{a \sin \theta - b \cos \theta}{a \sin \theta + b \cos \theta} = \left(\dfrac{a^2 - b^2}{a^2 + b^2} \right)^k$, 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.

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

Q.46 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.47 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.48 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.49 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

Q.50 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. $V = u + at$

Q.51 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

Q.52 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

Q.53 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.54 The work done is zero if there is no _____.
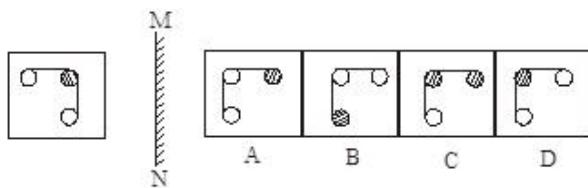
Ans ✘ 1. Power

✘ 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.55 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.56 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.57 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.58 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.59 Which of the following sport is Yuzvendra Chahal related to?

Ans ✗ 1. Tennis

✔ 2. Cricket

✗ 3. Shooting

✗ 4. Hockey

Q.60 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

Q.61 Find the next number in the series.

4, 9, 20, 43, ?

Ans
✗ 1. 100
✗ 2. 92
✗ 3. 82
✔ 4. 90

Q.62 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

Q.6 3 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 in 4 days?

Ans
✗ 1. 8
✗ 2. 5
✔ 3. 10
✗ 4. 20

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

Ans
✔ 1. 39
✗ 2. 3
✗ 3. 78
✗ 4. 13

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

Ans
✔ 1. Sumitra Mahajan
✗ 2. Manohar Joshi
✗ 3. Meira Kumar
✗ 4. Somnath Chatterjee

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

Ans
- ✗ 1. Sister
- ✔ 2. Mother
- ✗ 3. Daughter
- ✗ 4. Grandmother

Q.67 The number of odd days in a NON leap year is :

Ans
- ✔ 1. 1
- ✗ 2. 2
- ✗ 3. 4
- ✗ 4. 3

Q.68 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.

Q.69 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

Q.70 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

Q.71 If the number $x3339$ is divisible by 11, what is the face value of x?

Ans

✗ 1. 2

✗ 2. 4

✔ 3. 5

✗ 4. 3

Q.72 Mahavira is believed to be the last of the _____ Tirthankaras.

Ans

✗ 1. 26

✗ 2. 22

✗ 3. 20

✔ 4. 24

Q.73 What comes next in the given series?

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

Ans
  ✗ 1. 22G

  ✔ 2. 22O

  ✗ 3. 20T

  ✗ 4. 22L

Q.74 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. $\frac{6}{13}$

Q.75 Which of the following plants is NOT a Thallophyta?

Ans
  ✗ 1. Spirogyra

  ✗ 2. Ulva

  ✔ 3. Riccia

  ✗ 4. Chara

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

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 7 The difference between the selling prices of a keyboard at losses 15% and 25% is ₹ 50. Then the cost price of a 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 8 Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the 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.79 Which of the below allotropes of carbon is in the form of geodesic globe?

Ans ✅ 1. Fullerene

❌ 2. Carbon nanotube

❌ 3. Graphite

❌ 4. Diamond

Q.80
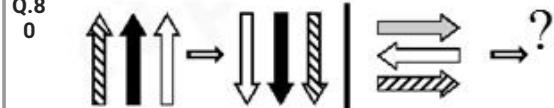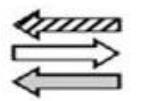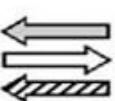
Which of the below picture correctly fits the above blank space(?) ?

Ans ❌ 1. C

✅ 2. A

❌ 3. B

❌ 4. D

Q.81 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

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

Ans
✗ 1. Baking powder

✗ 2. Gypsum

✗ 3. Baking soda

✔ 4. Plaster of Paris

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

Ans
✗ 1. Bromine

✔ 2. Iodine

✗ 3. Chlorine

✗ 4. Fluorine

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

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.86 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.87 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.88 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

Q.89 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.
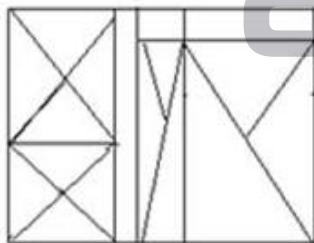
Q.90 How many triangles are there in the following figure?

Ans ✗ 1. 22
✔ 2. 27
✗ 3. 23
✗ 4. 24

Q.9 1 Medha sells her bag for ₹ 300 and loses ₹ 60. At what price must she sell the article to gain 15%?

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

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

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**
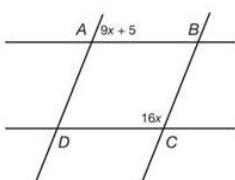
Q.9 4 Find the measure of angle ABC (in degrees) in the parallelogram ABCD as shown in the given figure:

Ans ✔ 1. 68

✘ 2. 112

✘ 3. 102

✘ 4. 78

Q.95 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. $\dfrac{3996}{1331}$

✘ 2. $-\dfrac{1331}{2538}$

✘ 3. $\dfrac{729}{1331}$

✘ 4. $-\dfrac{2538}{1331}$

Q.96 Who invented the periodic table?

Ans ✘ 1. Marie Curie

✔ 2. Dmitri Mendeleev

✘ 3. Antoine Lavoisier

✘ 4. Louis Pasteur

Q.97 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
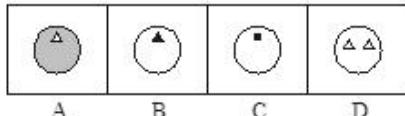
Q.98 Find the next figure for the given series:

Problem figures

Answer figures:

Ans
✗ 1. D
✗ 2. C
✔ 3. B
✗ 4. A

Q.99 The atomic mass of Calcium is :

Ans
✗ 1. 24
✔ 2. 40
✗ 3. 23
✗ 4. 32

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**