RAILWAY RECRUITMENT BOARDS
रेलवे भर्ती बोर्ड

Level-1 Posts CEN-02/2018

me:	
me:	iON Digital Zone iDZ Kovilambakkam
	04/10/2018
	9:00 AM - 10:30 AM
	Level 1

green color with a tick icon are correct
top right of the question indicates the option selected by the candidate
ated against the Question ID and Option ID are the numbers to be noted and used for raising objections

vered the theory of nuclear forces?

I. Bose

eki Hukawa

Bose

Thomson

Question ID : **6789131988**
Option 1 ID : **6789137950**
Option 2 ID : **6789137949**
Option 3 ID : **6789137952**
Option 4 ID : **6789137951**
Status : **Not Answered**
Chosen Option : **--**

$- \csc^2\theta = 1.24$, then $\cot^4\theta + \cot^2\theta = ?$

Question ID : **6789131923**
Option 1 ID : **6789137690**
Option 2 ID : **6789137691**
Option 3 ID : **6789137692**
Option 4 ID : **6789137689**

  ❌ 2. Shikha Tandon

  ❌ 3. Sajan Prakash

  ✔️ 4. Murlikant Petkar

Q.4 Identify the avid mountaineer who, in May 2017, became the first woman in the world to scale Mount Everest twice in a season. She also holds the record of fastest double ascent by a woman to the world's highest peak?

Ans ✔️ 1. Anshu Jamsenpa

  ❌ 2. Malavath Purna

  ❌ 3. Arunima Sinha

  ❌ 4. Premlata Agrawal

Q.5 -3, -8, -13, -18, _____ the sum of first 10th term in the sequence is:

Ans ❌ 1. -250

  ❌ 2. -260

  ✔️ 3. -255

  ❌ 4. -245

Q.6 The sum of $\frac{5}{12}$ and $\frac{12}{5}$ is:

Ans ❌ 1. $\frac{17}{60}$

  ❌ 2. $\frac{60}{17}$

  ❌ 3. $\frac{17}{17}$

✔ 4. $\frac{169}{60}$

Q.7 Sound generated by a single frequency is called_____.

Ans ✔ 1. tone

✘ 2. wavelength

✘ 3. amplitude

✘ 4. pitch

Q.8 In Mendeleev's periodic table, table _____ appeared before Nickel.

Ans ✔ 1. Co

✘ 2. Rb

✘ 3. Mo

✘ 4. Sr

Q.9 A fraction when taken away from $\frac{1}{5}$ gives $\frac{1}{12}$. What is the fraction?

Ans ✔ 1. $\frac{7}{60}$

✘ 2. $\frac{11}{30}$

✘ 3. $\frac{5}{12}$

✘ 4. $\frac{1}{7}$

Q.10 Which two words were added to the Preamble of the Indian Constitution by the 42nd Amendment, in 1976?

Ans ✔ 1. Socialist, Secular

✘ 2. Secular, Fraternity

✘ 3. Democratic, Republic

✘ 4. Justice, Liberty
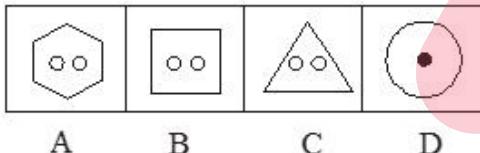
Q.11 Find the odd figure out from among the given figures.

A   B   C   D

Ans ✘ 1. B

✘ 2. C

✘ 3. A

✔ 4. D

Q.12 Force = _____.

Ans ✔ 1. mass × acceleration

✘ 2. mass × volume

✘ 3. mass × pressure

✘ 4. mass × velocity

Q.13 As of 1st March 2018, who among the following is India's Permanent Representative to the United Nations?

Ans
✔ 1. Rajiv Kumar Chander
✘ 2. Hardeep Singh
✘ 3. Nirupam Sen
✘ 4. Nirupama Menon Rao

Q.14 The plants in _____ group are commonly called algae.

Ans
✘ 1. Gymnosperm
✘ 2. Bryophyta
✘ 3. Pteridophyta
✔ 4. Thallophyta

Q.15 _____ give evidences of evolutionary relationships.

Ans
1. Rocks
2. Ocean beds
3. River beds
4. Fossils

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

Q.16 A cylinder has the same height as the radius of its base. A hollow sphere has the same outer radius as that of the base of the cylinder while the inner radius is half of the outer radius. Find the ratio of the volumes of the cylinder to the hollow sphere.

Ans ✗ 1. 5 : 6

✗ 2. 7 : 8

✔ 3. 6 : 7

✗ 4. 3 : 4

Question ID : **6789131919**

Option 1 ID : **6789137673**

Option 2 ID : **6789137675**

Option 3 ID : **6789137674**

Option 4 ID : **6789137676**

Status : **Not Answered**

Chosen Option : **--**

Q.17 Babur made his first raid into India in _____.

Ans ✔ 1. 1519

✗ 2. 1521

✗ 3. 1535

✗ 4. 1544

Question ID : **6789131995**

Option 1 ID : **6789137977**

Option 2 ID : **6789137978**

Option 3 ID : **6789137980**

Option 4 ID : **6789137979**

Status : **Answered**

Chosen Option : **2**

Q.18 Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement: "Beware of the dog," a signboard states.

Assumptions:

I.   Dogs protect the home.

II.   Dogs are the most loyal animals.

Ans ✗ 1. Neither I nor II is implicit

✔ 2. Only assumption I is implicit

✗ 3. Only assumption II is implicit

✗ 4. Both I and II are implicit.

Question ID : **6789131934**

Option 1 ID : **6789137735**

Option 2 ID : **6789137733**

Q.19 Two pipes X and Y can fill up a tank in 32 minutes and 16 minutes respectively. If both the pipes are opened simultaneously, after how much time should Y be closed, so that the tank is full in 20 minutes?

Ans ✔ 1. 6 minutes

✘ 2. 10 minutes

✘ 3. 4 minutes

✘ 4. 8 minutes

Q.20 Consider the given statement(s) and decide which of the given assumption(s) is/are implicit in the statement.

Statement : Organisations that follow certain business ethics have better chances of survival, compared to those whose only goal is to earn profits

Assumptions:

I. A written code of ethics to let the employees know the do's and dont's of an organisation is important.

II. Organisations should focus on training employees on code of ethics.

Ans ✔ 1. Both I and II are implicit.

✘ 2. Only assumption I is implicit

✘ 3. Only assumption II is implicit

✘ 4. Neither I nor II is implicit

Q.21 Read the following information carefully and answer the question that is given below:

Amrith is older than Manish. Vishnu is older than Manish but younger than Amrith. Dhivakar is younger than Rakesh and Manish. Manish is older than Rakesh.

Who is the eldest?

Ans ✘ 1. Manish

✘ 2. Rakesh

✘ 3. Vishnu

✔ 4. Amrith

Q.2 2 Find the value of $\sqrt{0.7}$

Ans ✗ 1. 0.948

✗ 2. 0.598

✗ 3. 0.894

✔ 4. 0.836
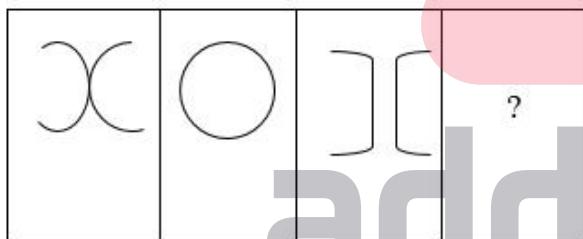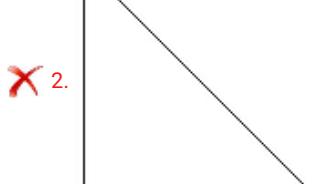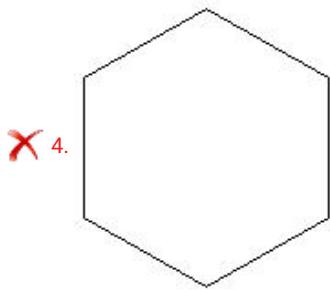
Q.2 3 Choose the correct option to complete the series.

Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **6789131928**
Option 1 ID : **6789137711**
Option 2 ID : **6789137710**
Option 3 ID : **6789137712**
Option 4 ID : **6789137709**
Status : **Answered**
Chosen Option : **1**
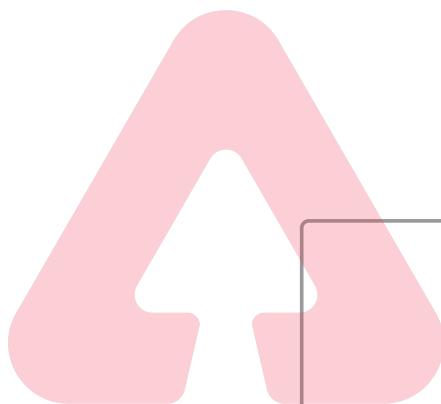
Q.24 With which of the following sports is S.V. Sunil related?

Ans ✗ 1. Table tennis

✓ 2. Hockey

✗ 3. Badminton

✗ 4. Cricket

Question ID : **6789131983**
Option 1 ID : **6789137932**
Option 2 ID : **6789137930**
Option 3 ID : **6789137931**
Option 4 ID : **6789137929**
Status : **Answered**
Chosen Option : **3**

Q.25 A force of 10 N is acting on an object. The object is displaced through 5 m in the direction of force. Then the work done is:

Ans ✗ 1. -50 J

✓ 2. 50 J

✗ 3. -50 N

✗ 4. 50 N

Question ID : **6789131960**
Option 1 ID : **6789137840**
Option 2 ID : **6789137838**
Option 3 ID : **6789137839**
Option 4 ID : **6789137837**
Status : **Answered**
Chosen Option : **1**

Q.26

Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument.

Statement: Is morning dose of coffee good for health?

Arguments :

    I.   Yes, coffee contains high antioxidants and many minerals which supply essential nutrients to the body.

    II.   No, consuming too much coffee can lead to panic anxiety attacks and also reduces the quality of sleep.

Ans ✔ 1. Only argument I is strong

    ✘ 2. Both I and II are strong.

    ✘ 3. Neither I nor II is strong

    ✘ 4. Only argument II is strong

Question ID : **6789131932**
Option 1 ID : **6789137725**
Option 2 ID : **6789137728**
Option 3 ID : **6789137727**
Option 4 ID : **6789137726**
Status : **Answered**
Chosen Option : **1**

Q.27 Find the missing word.

Leap (_____)Jump

Ans ✘ 1. Walk

    ✘ 2. Descend

    ✔ 3. Bounce

    ✘ 4. Run

Question ID : **6789131949**
Option 1 ID : **6789137795**
Option 2 ID : **6789137794**
Option 3 ID : **6789137796**
Option 4 ID : **6789137793**
Status : **Answered**
Chosen Option : **3**

Q.28 Four words have been given below of which three are alike in some way and one is different. Choose the odd one out:

Ans ✘ 1. ISM Dhanbad

    ✔ 2. (CBI) Central Bureau of Investigation

    ✘ 3. NIT Warangal

    ✘ 4. BHU Varanasi

Question ID : **6789131927**
Option 1 ID : **6789137705**
Option 2 ID : **6789137708**
Option 3 ID : **6789137707**
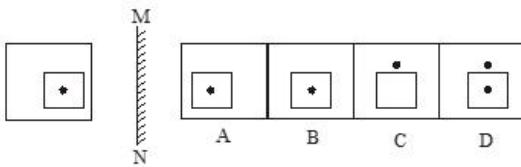
Q.2
9 Find the mirror image of the following figure if the mirror is placed at line MN.

Ans ✔ 1. A

✗ 2. C

✗ 3. D

✗ 4. B
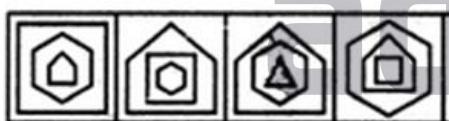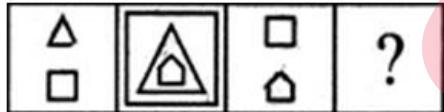
Q.3
0 Choose the correct figure that will fit in the blank space in the following series.

Ans ✗ 1. A

✗ 2. D

✗ 3. C

✔ 4. B

Q.3
**1** Which process of fusion of sperm and ova results in the formation of a single structure called zygote?

Ans

  ❌ 1. Fragmentation

  ✔️ 2. Fertilisation

  ❌ 3. Sexual reproduction

  ❌ 4. Tissue culture
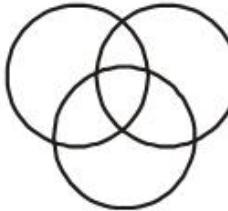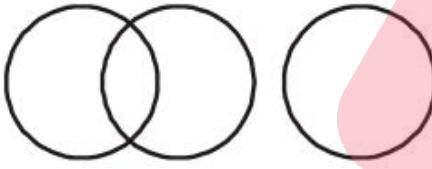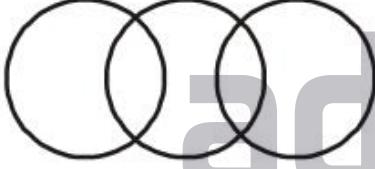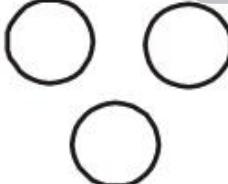
Q.32 Choose the best suitable Venn diagram for the following words

Capsicum, Mat, Rat.

Ans

❌ 1.

❌ 2.

❌ 3.

✔️ 4.

Q.33 45 men can complete a piece of work in 12 days. In how many days will 36 men be able to complete it?

Ans

❌ 1. 10

❌ 2. 16

✗ 3. 18

✔ 4. 15

Q.34 Who hosted recently concluded ASIA CUP Men's Cricket tournament?

Ans ✔ 1. UAE

✗ 2. Bangladesh

✗ 3. Nepal

✗ 4. China

Q.35 The chemical formula of ferrous sulphate crystal is _____

Ans ✗ 1. $FeSO_4 4H_2O$

✗ 2. $FeSO_4 5H_2O$

✗ 3. $FeSO_4 6H_2O$

✔ 4. $FeSO_4 7H_2O$
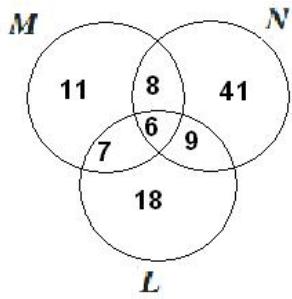
Q.36

The above Venn diagram represent the students who play 3 sports M, N and L in a class.

Total number of students who play game M is:

Ans ✗ 1. 7

✗ 2. 11

✔ 3. 32

✗ 4. 21

Q.3 7 A tractor can finish its journey in 10 hours at the speed of 36 km/hr. If the same distance must be covered in 8 hours, what should be the speed of the tractor?

Ans ✗ 1. 60 km/hr

✗ 2. 50 km/hr

✔ 3. 45 km/hr

✗ 4. 55 km/hr

Q.3 8 The Gulf of Bothnia is situated between two countries. One of them is Finland. Which is the other country?

Ans ✗ 1. Denmark

✗ 2. Russia

✔ 3. Sweden

✗ 4. Norway

Q.39 Choose the option that is NOT true about vascular system.

Ans
✔ 1. Blood flows at low pressure, with jerk and faster in them.

✘ 2. It forms about 7-8% of the body weight.

✘ 3. Blood is commonly called river of life.

✘ 4. Life span of human RBCs is 115-120 days.

Question ID : **6789131978**
Option 1 ID : **6789137909**
Option 2 ID : **6789137910**
Option 3 ID : **6789137911**
Option 4 ID : **6789137912**
Status : **Answered**
Chosen Option : **4**

Q.40 Find out the least number to be added to 1051 to make it completely divisible by 33.

Ans 1. 31

2. 33

3. 38

4. 36

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

Question ID : **6789131939**
Option 1 ID : **6789137754**
Option 2 ID : **6789137755**
Option 3 ID : **6789137753**
Option 4 ID : **6789137756**
Status : **Answered**
Chosen Option : **3**

Q.41 Anusri is eleven years younger than Yashomati. Fifteen years from now, Yashomati's age will be three times Anusri's present age. What is Yashomati's present age?

Ans
✘ 1. 21 years

✔ 2. 24 years

✘ 3. 20 years

✘ 4. 23 years

Question ID : **6789131917**
Option 1 ID : **6789137665**
Option 2 ID : **6789137668**
Option 3 ID : **6789137666**
Option 4 ID : **6789137667**
Status : **Answered**
Chosen Option : **2**

Q.4 The HCF of 66, 198 and 154 is _____.

2

Ans ✗ 1. 44

✗ 2. 66

✔ 3. 22

✗ 4. 33
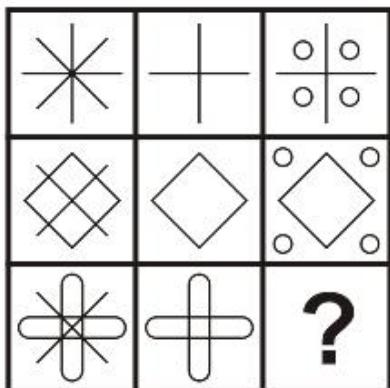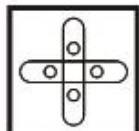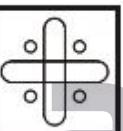
Q.43
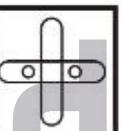
Choose the correct picture that fits the blank place.
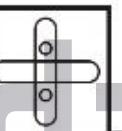
Ans ✗ 1. A

✔ 2. B

✗ 3. C

✗ 4. D

Q.44 What is the chemical name of Chinese salt that we use in preparing Chinese cuisine?

Ans ✗ 1. Calcium hypochlorite

✗ 2. Calcium carbonate

✗ 3. Sodium benzoate

✔ 4. Monosodium glutamate

Q.45 Ohm is the SI unit of _____.

Ans ✗ 1. electric charge

✗ 2. electric current

✗ 3. potential difference

✔ 4. resistance

Q.46 Two pipes feed a water tank at the rate of 2 liters/minute and 3 liters/minute. A third pipe draws out water at a rate of 6 liters/minute. The capacity of the tank is 100 liters and it is full of water. How many minutes would it take to make the tank empty if the three pipes are opened simultaneously?

Ans ✗ 1. 125

✗ 2. 75

✔ 3. 100

✗ 4. 50

Q.47 If East becomes North-East then what will West become?

Ans ✔ 1. South-West

✗ 2. South-East

✗ 3. North-West

✗ 4. North-East

Q.4 8 Nm^{-2} is the SI unit of:

Ans ✔ 1. Pressure

✘ 2. Work

✘ 3. Power

✘ 4. Force

Question ID : **6789131958**
Option 1 ID : **6789137830**
Option 2 ID : **6789137831**
Option 3 ID : **6789137832**
Option 4 ID : **6789137829**
Status : **Answered**
Chosen Option : **1**

Q.4 9 If in a code, TRUCK is written as RPSAI, how will TOOL be written as in that code?

Ans ✘ 1. JMRJ

✘ 2. RJKM

✔ 3. RMMJ

✘ 4. RMJM

Question ID : **6789131931**
Option 1 ID : **6789137723**
Option 2 ID : **6789137722**
Option 3 ID : **6789137724**
Option 4 ID : **6789137721**
Status : **Answered**
Chosen Option : **3**

Q.5 0 Find SP when MP =160 and discount =12%?

Ans ✔ 1. 140.80

✘ 2. 160.80

✘ 3. 132.80

✘ 4. 100

Question ID : **6789131910**
Option 1 ID : **6789137637**
Option 2 ID : **6789137639**
Option 3 ID : **6789137638**
Option 4 ID : **6789137640**
Status : **Answered**
Chosen Option : **1**

Q.5 1 The resistivity of a conductor depends on:

Ans ✓ 1. Material
✗ 2. Area of cross section
✗ 3. All of the given options
✗ 4. Length

Q.5 2 Which of the following inert gases is placed in period 5?

Ans ✗ 1. Ne
✗ 2. Rn
✓ 3. Xe
✗ 4. Ar

Q.5 3 Who among the following won the 53rd Jnanpith Award for the year 2017?

Ans ✗ 1. Amar Kant
✗ 2. Kedarnath Singh
✗ 3. Pratibha Ray
✓ 4. Krishna Sobti

Q.5 4 The mean of the 5 smallest numbers from a group is 18 while the mean of all the 13 members of the group taken together is 20. What is the mean of the 8 largest numbers?

Ans ✗ 1. 22.50
✗ 2. 22.75
✗ 3. 21.75
✓ 4. 21.25

Q.5 5 In which of the following oceans is the Republic of Seychelles located?

Ans ✗ 1. Pacific Ocean

✔ 2. Indian Ocean

✗ 3. Atlantic Ocean

✗ 4. Arctic Ocean

Q.5 6 In a hostel, there is stock of 6,190.80 kg of wheat for feeding 105 students for 22 days. After 5 days, 14 students joined the hostel. How many days will the balance wheat feed the students, if all students consume the same quantity per day?

Ans ✗ 1. 11 days

✔ 2. 15 days

✗ 3. 13 days

✗ 4. 17 days
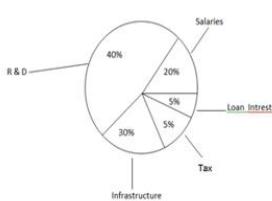
Q.5 7 The following pie chart shows the expenditure of company XYZ in Q3 2015 on various heads.

If company XYZ has spent a total of ₹100 lakh crores on the various heads then how much did it spend on R & D (in lakh crores)?

Ans ✗ 1. 20

✗ 2. 10

✗ 3. 30

✔ 4. 40

Q.5 8 The following chart shows the results of three athletic academies in the district level selections for three years.

Academy	2012	2013	2014
A	2	3	4
B	1	5	2
C	3	7	9

How many selections were done in the year 2014 for academy 'C'?

Ans ✘ 1. 19

✔ 2. 9

✘ 3. 7

✘ 4. 3

Q.5 9 Samu spent ¼ of his money on books and 1/8 on food. If he is left with ₹ 40, how much did he spend on food?
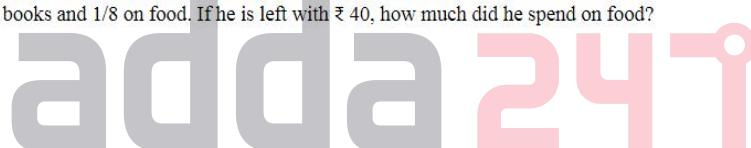
Ans ✘ 1. ₹ 12

✔ 2. ₹ 8

✘ 3. ₹ 6

✘ 4. ₹ 10
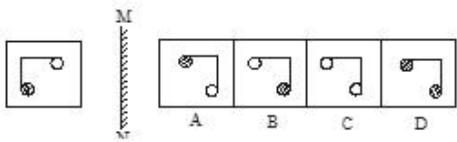
Q.6 0

Choose the mirror image for the following figure:

Ans ✗ 1. D

✗ 2. C

✗ 3. A

✔ 4. B

Q.6 1 In August 2018, Hindalco's wholly owned subsidiary Novelis Inc. announced the acquisition of a global aluminum rolled products company that is headquartered in the US. Name the acquired company.

Ans ✗ 1. Century Aluminum

✗ 2. Alcoa Corporation

✗ 3. U.S. Foil Company

✔ 4. Aleris Corporation

Q.6 2 The sum of the interior angles of a regular heptagon (seven-sided polygon) is:

Ans ✗ 1. $1080°$

✗ 2. $720°$

✗ 3. $540°$

✔ 4. $900°$

Q.63 You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question:

How many sons does X have?

Statements:

1. Y and Z are brothers of W

2. The mother of Z is wife of W's father

Ans ✗ 1. 1 alone is sufficient while 2 alone is not sufficient

✔ 2. Neither 1 nor 2 alone is sufficient

✗ 3. Both 1 and 2 together are sufficient

✗ 4. 2 alone is sufficient while 1 alone is not sufficient

Q.64 Which of the following reaction is a precipitation reaction?

Ans ✗ 1. Calcium carbonate → Calcium oxide + Carbon dioxide

✔ 2.
Sodium sulphate + Barium chloride →Barium sulphate + Sodium chloride

✗ 3. Lead + Copper chloride →Lead chloride + Copper

✗ 4. Methane + Oxygen → Carbon dioxide + Water

Q.65 How many hydrogen atoms are present in one molecule of ethanol?

Ans ✔ 1. Six

✗ 2. Four

✗ 3. Seven

✗ 4. Five

Q.66 Name the service launched by the Central Government which will be available across the Common Service Centre (CSC) network and connect citizens to legal service providers with the help of technology-enabled platforms.

Ans
- ✗ 1. 'Madadgar'
- ✔ 2. 'Tele-Law'
- ✗ 3. 'Retro-Fitment'
- ✗ 4. 'Digi Yatra'

Question ID : **6789131991**
Option 1 ID : **6789137963**
Option 2 ID : **6789137961**
Option 3 ID : **6789137962**
Option 4 ID : **6789137964**
Status : **Answered**
Chosen Option : **2**

Q.67 What are the roots of the equation $2x^2 + 4x = 30$?

Ans
- ✗ 1. $2, -15$
- ✗ 2. $6, 5$
- ✔ 3. $-5, 3$
- ✗ 4. $10, 3$

Question ID : **6789131921**
Option 1 ID : **6789137682**
Option 2 ID : **6789137684**
Option 3 ID : **6789137683**
Option 4 ID : **6789137681**
Status : **Answered**
Chosen Option : **3**

Q.68 Select the option that is related to the third word on the same basis as the second word is related to the first word.

Wait : Linger :: Bite :

Ans
- ✔ 1. Gnaw
- ✗ 2. Murmur
- ✗ 3. Hiss
- ✗ 4. Eat

Question ID : **6789131930**
Option 1 ID : **6789137718**
Option 2 ID : **6789137719**
Option 3 ID : **6789137717**
Option 4 ID : **6789137720**
Status : **Answered**
Chosen Option : **1**

Q.69 Dalton's theory was based on the laws of:

Ans
- ✗ 1. Conservation of momentum
- ✗ 2. Conservation of mass

✔ 3. Chemical combination

✘ 4. Constant proportion

Q.70 Who among the following is the Minister of External Affairs?

Ans

✔ 1. Sushma Swaraj

✘ 2. SM Krishna

✘ 3. Salman Khurshid

✘ 4. Manmohan Singh

Q.71 Who among the following was called the 'Iron Chancellor'?

Ans

✘ 1. Napoleon Bonaparte

✘ 2. Genghis Khan

✔ 3. Otto von Bismarck

✘ 4. Adolf Hitler

Q.72 Unsaturated hydrocarbons add hydrogen in the presence of catalysts such as:

Ans

✘ 1. Nickel and Cadmium

✘ 2. Nickel and Hydrogen

✔ 3. Nickel and Palladium

✘ 4. Palladium and Radium

Q.7 3 Arjun was born on 1st January 2007, Monday. What day of the week lies on 1st January, 2008?

Ans ✗ 1. Sunday

✔ 2. Tuesday

✗ 3. Friday

✗ 4. Wednesday

Q.7 4 Which of the following statements is/are true?

A. CO_2 is known as dry ice.

B. The particles of liquid absorb energy from the surrounding to regain the energy lost during evaporation.

C. Solid CO_2 gets converted directly to gaseous state.

Ans 1. All are false

2. A and C are false, B is true

3. A and C are true, B is false

4. All are true

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

Q.7 5 A car accelerates uniformly from 18 kmh^{-1} to 36 kmh^{-1} in 5 s. Calculate the acceleration of the car.

Ans ✔ 1. $1\ ms^{-2}$

✗ 2. $4\ ms^{-2}$

✗ 3. $4\ ms^2$

✗ 4. $1\ ms^2$

Q.7 6 A porter lifts a luggage of 12 kg from the ground and puts it on his head 1.5 m above the ground. Calculate the work done by him on the luggage. (g = 10ms^{-2})

Ans
✗ 1. 140 J

✔ 2. 180 J

✗ 3. 150 J

✗ 4. 155 J

Q.7 7 Padma is the sister of Suresh's mother. How is Padma related to Suresh?

Ans
✗ 1. Grandmother

✗ 2. Mother

✗ 3. Sister

✔ 4. Aunt

Q.7 8 A sum of money when invested for 5 years gives ₹ 5,250 as the amount. If the simple rate of interest was 2% per annum more than what it was, the amount would have been ₹ 5,600. The original sum invested was:

Ans
✗ 1. ₹ 4,000

✗ 2. ₹ 3,250

✗ 3. ₹ 3,750

✔ 4. ₹ 3,500

Q.7 9

The average marks obtained by Suvir in 15 tests is 29. Ruchira is maintaining an average of 27 so far but has taken only 11 of the tests so far. How much does Ruchira have to score on an average in the remaining four tests to match Suvir's performance?

Ans ✗ 1. 36

✗ 2. 35.5

✔ 3. 34.5

✗ 4. 35

Q.80 A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

Statement:

There is more wastage of water due to water purifiers.

Arguments:

I. Yes, houses should adopt ways to reuse the excess water produced from the filters so that it can be given back to the land.

II. No, it enters the sewage system and automatically goes back.

Ans ✔ 1. Only argument I is strong.

✗ 2. Only argument II is strong.

✗ 3. Neither I nor II is strong.

✗ 4. Both I and II are strong.

Q.81 $138 \div [35 - \{53 - (89 - 72 \div 9 \times 6)\}] = ?$

Ans ✗ 1. 2

✔ 2. 6

✗ 3. 23

✗ 4. 3

Q.8 2 A body travelling with a speed of more than the velocity of sound in air is said to be _____.

Ans ✗ 1. Ultrasonic

✗ 2. Infrasonic

✔ 3. Supersonic

✗ 4. Hypersonic

**Q.8 3** Kaushik bought a toy for ₹ 180 and sold it for ₹ 202.50. The rate of profit was ___ %.

Ans ✗ 1. 15.25

✔ 2. 12.5

✗ 3. 16

✗ 4. 17.5
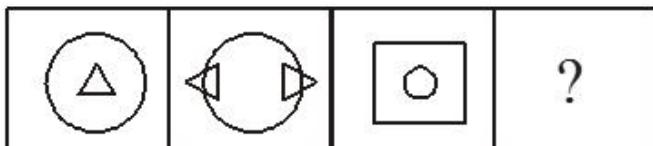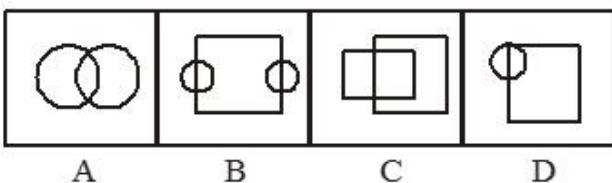
Q.8 4 Pick the figure that will complete the given series.

Problem Figures:

Answer Figures:

Ans ✗ 1. A

  ✔ 2. B

  ✘ 3. D

  ✘ 4. C

Q.8 5 Areolar tissue fills the spaces _____ the organ, supports the _____ organs and repairs tissues.

Ans

  ✘ 1. outside; internal

  ✘ 2. outside; external

  ✔ 3. inside; internal

  ✘ 4. inside; external

Q.8 6 Objects move with a constant speed when no _____ is acting on it.

Ans

  ✘ 1. pressure

  ✘ 2. inertia

  ✔ 3. force

  ✘ 4. momentum

Q.8 7 Find the next letter set in the given series.

CV, ET, HQ, ?

Ans

  ✔ 1. LM

  ✘ 2. LG

  ✘ 3. MX

  ✘ 4. LK

Q.88 Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statements:

I.   All pigs are white.

II.   Some white are peacock.

Conclusions:

1.   Some peacock are pigs.

2.   Some white are pigs.

Ans ✗ 1. Both 1 and 2 follows.

✗ 2. Neither 1 nor 2 follows.

✔ 3. Conclusion 2 alone follows.

✗ 4. Conclusion 1 alone follows.

Q.89 Find the next figure for the given series:

Problem figures

| F/E | M/W | N/И | ? |

Answer figures:

| AB | LM | KI | L/Г |
| A | B | C | D |

Ans ✗ 1. A

✗ 2. B

✗ 3. C

✔ 4. D

Q.90 Which alpha-numeric set will follow in the given series?

12E, 15B, 18Y, 21V, ?

Ans ✗ 1. 20V

✗ 2. 25G

✔ 3. 24S

✗ 4. 28T

Q.91 x and y, given correct to 1 decimal place, are given as 6.2 and 1.3 respectively. What is the upper bound of the value of $\frac{x}{y}$?

Ans ✔ 1. 5

✗ 2. 4.77

✗ 3. 5.05

✗ 4. 4.96

Q.92 What is the process by which a gas is converted into a solid?

Ans 1. Condensation

2. Sublimation

3. Vaporisation

4. Freezing

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

Q.93 'Nuakhai', a social festival belongs to which state of India?

Ans ✗ 1. Tamilnadu

✗ 2. Assam

✓ 3. Odisha

✗ 4. Karnataka

Question ID : **6789131986**
Option 1 ID : **6789137941**
Option 2 ID : **6789137943**
Option 3 ID : **6789137942**
Option 4 ID : **6789137944**
Status : **Answered**
Chosen Option : **3**

Q.94 The Saraswati Samman Award 2016 was bestowed upon:

Ans ✗ 1. A.A. Manavalan

✗ 2. Padma Sachdev

✓ 3. Mahabaleshwar Sail

✗ 4. Sugathakumari

Question ID : **6789131984**
Option 1 ID : **6789137933**
Option 2 ID : **6789137935**
Option 3 ID : **6789137936**
Option 4 ID : **6789137934**
Status : **Not Answered**
Chosen Option : **--**

Q.95 An object of mass 12 kg is at a certain height above the ground. If the potential energy of the object is 600J, find the height at which the object is with respect to the ground. Given g=10ms^{-2}

Ans ✓ 1. 5m

✗ 2. $5ms^{-2}$

✗ 3. $5ms^{2}$

✗ 4. -5m

Question ID : **6789131962**
Option 1 ID : **6789137845**
Option 2 ID : **6789137848**
Option 3 ID : **6789137847**
Option 4 ID : **6789137846**
Status : **Answered**
Chosen Option : **1**

Q.96 The Indian Space Research Organisation (ISRO) created the world's third-largest hypersonic wind tunnel in:

Ans

  ✗ 1.   Jaisalmer

  ✗ 2.   Gokarna

 ✓ 3.   Thiruvananthapuram

  ✗ 4.   Ahmedabad
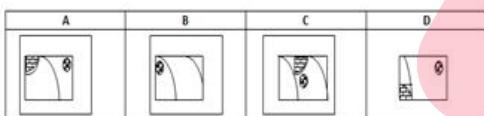
Q.97 Which of the answer figures is formed from the shapes given the problem figure?

Problem figure:

Answer figures:

Ans

  ✗ 1.   D

  ✗ 2.   C

  ✗ 3.   B

  ✓ 4.   A

Q.98 Which of the following is a reducible fraction?

Ans

  ✗ 1. $\dfrac{77}{72}$

  ✓ 2. $\dfrac{105}{112}$

  ✗ 3. $\dfrac{104}{121}$

  ✗ 4. $\dfrac{5}{49}$

Q.9
9 If you invest ₹ 100 at 40% annual interest compounded quarterly, how much will you receive after one year?

Ans
  ✗ 1. ₹ 145.61
  ✓ 2. ₹ 146.41
  ✗ 3. ₹ 149.01
  ✗ 4. ₹ 148.11

Q.1
00 Who took Oath on 23rd January, 2018 as the Governor of Madhya Pradesh?

Ans
  ✗ 1. Om Prakash Kohli
  ✗ 2. Kumud Ben Joshi
  ✗ 3. Ram Naresh Yadav
  ✓ 4. Anandiben Patel