



RRB GROUP - D **SHIFT – 2 (10-12-2018)**

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# RAILWAY RECRUITMENT BOARDS

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## Level-1 Posts CEN-02/2018

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Test Date:	10/12/2018
Test Time:	12:30 PM - 2:00 PM
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 Which state cricket team has won the 2018 Vijay Hazare trophy?

- Ans
1. Saurashtra
  2. Rajasthan
  3. Odisha
  4. Karnataka

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

Question ID : 6789137881  
Option 1 ID : 67891331524  
Option 2 ID : 67891331521  
Option 3 ID : 67891331523  
Option 4 ID : 67891331522  
Status : Answered  
Chosen Option : 1

Q.2 Given is a question followed by two arguments numbered I and II. Read the question and decide which of the arguments is strong with respect to the question.

**Question:**

Should shifting agriculture be practiced?

**Arguments:**

- I. No. It is not a worthy practice.
- II. Yes. When compared to modern methods of farming, it is less expensive.

- Ans
- ✓ 1. Only argument II is strong.
  - ✗ 2. Only argument I is strong.
  - ✗ 3. Neither argument I nor II is strong.
  - ✗ 4. Either argument I or II is strong.

Question ID : 6789137828  
Option 1 ID : 67891331310  
Option 2 ID : 67891331309  
Option 3 ID : 67891331312  
Option 4 ID : 67891331311  
Status : Answered  
Chosen Option : 1

Q.3

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

**Statement:**

Recent research says listening to specific types of frequencies have a positive effect on human brain and it aids in healing.

**Conclusions:**

- I. Human brain responds to music.
- II. Certain frequencies are used to heal diseases in human body.

- Ans
- 1. Both the conclusions follow.
  - 2. Neither conclusion follows.
  - 3. Only conclusion I follows.
  - 4. Only conclusion II follows.

Question ID : 6789137835  
Option 1 ID : 67891331340  
Option 2 ID : 67891331339  
Option 3 ID : 67891331337  
Option 4 ID : 67891331338  
Status : Answered  
Chosen Option : 4

Q.4 What is the missing term in the series?

YB25, WD23, \_\_\_\_\_, SH19

- Ans
- 1. UG21
  - 2. UF21
  - 3. UF20
  - 4. UG20

Question ID : 6789137839  
Option 1 ID : 67891331353  
Option 2 ID : 67891331355  
Option 3 ID : 67891331354  
Option 4 ID : 67891331356  
Status : Answered  
Chosen Option : 2

Q.5 A solid metallic hemisphere with radius  $r$  is melted and cast into a solid right circular cone with the radius of the base =  $r$ . What is the ratio of their curved surface areas?

- Ans
- 1.  $\frac{5}{\sqrt{2}}$
  - 2.  $\frac{2}{\sqrt{5}}$
  - 3.  $\frac{3}{2}$
  - 4.  $\frac{5}{2}$

Question ID : 6789137818  
Option 1 ID : 67891331271  
Option 2 ID : 67891331270  
Option 3 ID : 67891331272  
Option 4 ID : 67891331269  
Status : Answered  
Chosen Option : 2

Q.6 Four numbers,  $a$ ,  $b$ ,  $c$  and  $d$ , are such that their overall average is 26.5. The average of  $a$  and  $b$  is 20. The average of  $c$  and  $d$  is:

Ans

- 1. 35.5
- 2. 31.5
- 3. 33
- 4. 32.5

Question ID : 6789137825  
Option 1 ID : 67891331298  
Option 2 ID : 67891331300  
Option 3 ID : 67891331297  
Option 4 ID : 67891331299  
Status : Answered  
Chosen Option : 3

Q.7 Recently in 2018, assembly elections took place in which of the following states?

- Ans  1. Meghalaya
- 2. Gujarat
  - 3. Assam
  - 4. West Bengal

Question ID : 6789137892  
Option 1 ID : 67891331568  
Option 2 ID : 67891331565  
Option 3 ID : 67891331566  
Option 4 ID : 67891331567  
Status : Answered  
Chosen Option : 3

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

**Statement:**

Some jaguars are cheetahs, Some cheetahs are leopards. All leopards are panthers.

**Conclusions:**

- 1. All leopards are jaguars.
- 2. Some panthers are cheetahs.

- Ans  1. Only conclusion 2 follows
- 2. Only conclusion 1 follows
  - 3. Either 1 or 2 follows
  - 4. Both 1 and 2 follows

Question ID : 6789137831  
Option 1 ID : 67891331322  
Option 2 ID : 67891331321  
Option 3 ID : 67891331323  
Option 4 ID : 67891331324  
Status : Answered  
Chosen Option : 1

Q.9 Find the next term in the following series.

24XW23, 22VU21, \_\_\_\_\_?

- Ans  1. 20RT19
- 2. 20TS19
  - 3. 20TR19
  - 4. 20ST19

Question ID : 6789137838  
Option 1 ID : 67891331351  
Option 2 ID : 67891331349  
Option 3 ID : 67891331352  
Option 4 ID : 67891331350  
Status : Answered  
Chosen Option : 2

Q.1 Who among the following approved the procurement of 111 utility helicopters for the Indian Navy at a cost of over ₹ 21,000 crores?

- Ans
- 1. Defence Acquisition Council
  - 2. Defence Procurement Commission
  - 3. Defence Purchase Association
  - 4. Defence Dealers Association

Question ID : 6789137898  
Option 1 ID : 67891331590  
Option 2 ID : 67891331592  
Option 3 ID : 67891331589  
Option 4 ID : 67891331591  
Status : Answered  
Chosen Option : 2

Q.1 Genetic information is carried by long chains of molecules. What are these molecules called?

- Ans
- 1. Phosphates
  - 2. Nitrogenous Bases
  - 3. RNA
  - 4. Nucleotides

Question ID : 6789137880  
Option 1 ID : 67891331519  
Option 2 ID : 67891331520  
Option 3 ID : 67891331518  
Option 4 ID : 67891331517  
Status : Answered  
Chosen Option : 4

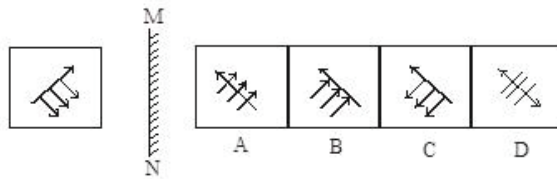
Q.1 Astronauts in space communicate with each other by radio links because \_\_\_\_\_.

- Ans
- 1. sound waves can't travel in space
  - 2. sound waves have low frequency
  - 3. sound waves travel slowly in space
  - 4. sound waves travel quickly in space

Question ID : 6789137864  
Option 1 ID : 67891331453  
Option 2 ID : 67891331455  
Option 3 ID : 67891331456  
Option 4 ID : 67891331454  
Status : Answered  
Chosen Option : 2

Q.1  
3

Choose the mirror image for the following figure:



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

Question ID : 6789137855  
Option 1 ID : 67891331417  
Option 2 ID : 67891331419  
Option 3 ID : 67891331418  
Option 4 ID : 67891331420  
Status : Answered  
Chosen Option : 2

Q.1 Who is termed as the 'Plastic Man of India', who has found a way to reuse plastic waste and make durable roads?  
4

- Ans
- 1. Rajagopalan Vasudevan
  - 2. Rajagopalan Muruganantham
  - 3. Arunachalam Muruganantham
  - 4. Arunachalam Vasudevan

Question ID : 6789137888  
Option 1 ID : 67891331551  
Option 2 ID : 67891331552  
Option 3 ID : 67891331549  
Option 4 ID : 67891331550  
Status : Not Answered  
Chosen Option : --

Q.1 Starting from point O facing West a man walks 4 km to reach point A. He turns right, walks 4 km and reaches point B. Then, he turns right, walks 4 km and reaches point C. He turns right, walks 3 km and reaches point D. He turns left, walks 4 km and reaches point E. Then, he turns right, walks 5 km and reaches point F. At point F, the man is facing \_\_\_ direction.

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

Question ID : 6789137853  
Option 1 ID : 67891331411  
Option 2 ID : 67891331412  
Option 3 ID : 67891331409  
Option 4 ID : 67891331410  
Status : Answered  
Chosen Option : 2

Q.1 The kinetic energy acquired by a mass (m) in traveling distance starting from rest under the action of constant force is directly proportional to:  
6

- Ans
- 1.  $\frac{1}{m}$

- 2.  $m^{\circ}$
- 3.  $m$
- 4.  $\frac{1}{\sqrt{m}}$

Question ID : 6789137860  
Option 1 ID : 67891331437  
Option 2 ID : 67891331440  
Option 3 ID : 67891331439  
Option 4 ID : 67891331438  
Status : Answered  
Chosen Option : 3

Q.1  
7 The royal city at Fatehpur Sikri, was built by Mughal Emperor \_\_\_\_\_ in honour of Sufi saint Shaikh Salim Chishti.

- Ans
- 1. Aurangzeb
  - 2. Humayun
  - 3. Shah Jahan
  - 4. Akbar

Question ID : 6789137894  
Option 1 ID : 67891331576  
Option 2 ID : 67891331574  
Option 3 ID : 67891331573  
Option 4 ID : 67891331575  
Status : Answered  
Chosen Option : 4

Q.1  
8 Consider the following statement and decide which of the conclusions logically follows from the statements.

Statements:

If you're a good computer programmer, then we definitely have a job for you.

Conclusions:

- 1. Good computer programmers are never jobless.
- 2. We are in need of a good computer programmer.

- Ans
- 1. Neither conclusion 1 nor 2 follows
  - 2. Only conclusion 2 follows
  - 3. Both conclusions 1 and 2 follow
  - 4. Only conclusion 1 follows

Question ID : 6789137832  
Option 1 ID : 67891331328  
Option 2 ID : 67891331326  
Option 3 ID : 67891331327  
Option 4 ID : 67891331325  
Status : Answered  
Chosen Option : 2

Q.1  
9 Find out the two signs that need to be switched for the equation to be equated.

$$5 + 6 \times 3 - 4 \div 2 = (-1)$$

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

Question ID : 6789137830  
Option 1 ID : 67891331318  
Option 2 ID : 67891331320  
Option 3 ID : 67891331317  
Option 4 ID : 67891331319  
Status : Answered  
Chosen Option : 3

Q.2  
0 Select the option that is related to the third term in the same way as the second term is related to the first term.

Alight: Descend : : House : \_\_\_\_\_?

- Ans
- 1. Pound
  - 2. Home
  - 3. Hug
  - 4. Hen

Question ID : 6789137845  
Option 1 ID : 67891331377  
Option 2 ID : 67891331379  
Option 3 ID : 67891331380  
Option 4 ID : 67891331378  
Status : Answered  
Chosen Option : 2

Q.2  
1 Non-metals are generally more electronegative due to their:

- Ans
- 1. large number of electrons.
  - 2. smaller atomic radii.
  - 3. smaller atomic number.
  - 4. smaller ionization energy.

Question ID : 6789137875  
Option 1 ID : 67891331500  
Option 2 ID : 67891331498  
Option 3 ID : 67891331497  
Option 4 ID : 67891331499  
Status : Answered  
Chosen Option : 4

Q.2  
2 You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question:

There are 6 baskets in a supermarket that are used to load and unload commodity. All have been filled with tins of 2 different sizes and shapes. In total, how many tins have been loaded in the baskets?

Statements:

1. The shape of 6 tins is such that in one trolley, only 2 can fit.
2. The tins contain processed sauce

- Ans
- 1. The statements are not sufficient
  - 2. Statement 1 alone is sufficient
  - 3. Statement 2 alone is sufficient
  - 4. Statement 1 and 2 together are necessary

Question ID : 6789137840  
Option 1 ID : 67891331360  
Option 2 ID : 67891331358  
Option 3 ID : 67891331359  
Option 4 ID : 67891331357

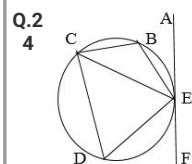


Status : Answered  
Chosen Option : 1

Q.2  
3 Who has played the lead role in the movie 'Dangal' released in 2016?

- Ans
- 1. Akshay Kumar
  - 2. Shah Rukh Khan
  - 3. Aamir Khan
  - 4. Raj Kumar Rao

Question ID : 6789137884  
Option 1 ID : 67891331536  
Option 2 ID : 67891331533  
Option 3 ID : 67891331534  
Option 4 ID : 67891331535  
Status : Answered  
Chosen Option : 3



In the figure given above, AF is a tangent to the circle at E,  $\angle CDE = 80^\circ$  and  $m(\widehat{BC}) = m(\widehat{BE})$ . What is the measure of  $\angle BEA$ ?

- Ans
- 1.  $30^\circ$
  - 2.  $45^\circ$
  - 3.  $40^\circ$
  - 4.  $35^\circ$

Question ID : 6789137824  
Option 1 ID : 67891331294  
Option 2 ID : 67891331295  
Option 3 ID : 67891331296  
Option 4 ID : 67891331293  
Status : Not Answered  
Chosen Option : --

Q.2  
5 The property of metals wherein they can be beaten into thin sheets is called:

- Ans
- 1. expansion
  - 2. malleability
  - 3. ductility
  - 4. conduction

Question ID : 6789137872  
Option 1 ID : 67891331488  
Option 2 ID : 67891331485  
Option 3 ID : 67891331486  
Option 4 ID : 67891331487  
Status : Answered  
Chosen Option : 2

Q.2  
6 Mass / Volume = \_\_\_\_\_ .

- Ans
- 1. Pressure
  - 2. Area
  - 3. Density
  - 4. Force

Question ID : 6789137869  
Option 1 ID : 67891331474  
Option 2 ID : 67891331473  
Option 3 ID : 67891331475  
Option 4 ID : 67891331476  
Status : Answered  
Chosen Option : 3

Q.2 \_\_\_\_\_ tissue is found beneath the skin, around the kidneys and between the internal organs.

- Ans
- 1. Ligament
  - 2. Areolar
  - 3. Tendons
  - 4. Adipose

Question ID : 6789137876  
Option 1 ID : 67891331501  
Option 2 ID : 67891331504  
Option 3 ID : 67891331502  
Option 4 ID : 67891331503  
Status : Answered  
Chosen Option : 3

Q.2 Who among the following is known as 'The Guardian of Public Purse'?

- Ans
- 1. Attorney General
  - 2. Comptroller & Auditor General
  - 3. Chief minister
  - 4. Prime minister

Question ID : 6789137890  
Option 1 ID : 67891331560  
Option 2 ID : 67891331559  
Option 3 ID : 67891331558  
Option 4 ID : 67891331557  
Status : Not Answered  
Chosen Option : --

Q.2 Read the given statement(s) and conclusions carefully. Assuming that the information in the statement(s) is true, even if they appear to be at variance with commonly known facts, select which of the conclusions logically follow(s) from the statement(s) beyond reasonable doubt.

Statements:

All crayons are pens

All pens are nibs

Conclusions:

(I) All crayons are nibs

(II) All nibs are crayons

- Ans
- 1. Only II follows
  - 2. Only I follows
  - 3. Both I and II follow

**X** 4. Neither I nor II follows

Question ID : 6789137833  
Option 1 ID : 67891331330  
Option 2 ID : 67891331329  
Option 3 ID : 67891331332  
Option 4 ID : 67891331331  
Status : Answered  
Chosen Option : 4

Q.3  
0 Which of the following numbers will have an even number of factors?

- Ans **X** 1. 16900  
**X** 2. 52900  
**✓** 3. 30000  
**X** 4. 36100

Question ID : 6789137808  
Option 1 ID : 67891331229  
Option 2 ID : 67891331230  
Option 3 ID : 67891331232  
Option 4 ID : 67891331231  
Status : Not Answered  
Chosen Option : --

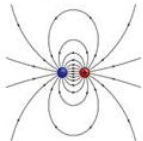
Q.3  
1 The SI unit of thrust is \_\_\_\_\_.

- Ans **X** 1. Pascal  
**X** 2. Ohm  
**✓** 3. Newton  
**X** 4. Joule



Question ID : 6789137858  
Option 1 ID : 67891331429  
Option 2 ID : 67891331431  
Option 3 ID : 67891331432  
Option 4 ID : 67891331430  
Status : Answered  
Chosen Option : 4

Q.3  
2 The diagram shows the force field produced by a current-carrying wire. Name the force field.



- Ans 1. Electrostatic field  
2. Magnetic field  
3. Electromagnetic field  
4. Static field

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

Question ID : 6789137866  
Option 1 ID : 67891331461  
Option 2 ID : 67891331463  
Option 3 ID : 67891331462  
Option 4 ID : 67891331464

Status : Answered  
Chosen Option : 3

Q.3 Ravi sold goods for ₹ 6250 and made a profit of 25% in the process. What would have been his profit percent if he had sold the same goods for ₹ 6000?

- Ans
- 1. 10%
  - 2. 15%
  - 3. 20%
  - 4. 5%

Question ID : 6789137810  
Option 1 ID : 67891331238  
Option 2 ID : 67891331239  
Option 3 ID : 67891331240  
Option 4 ID : 67891331237  
Status : Answered  
Chosen Option : 3

Q.3 In \_\_\_\_\_ tissue the cells are widely spaced.

- Ans
- 1. Tendons
  - 2. Cartilage
  - 3. Bone
  - 4. Ligament

Question ID : 6789137877  
Option 1 ID : 67891331506  
Option 2 ID : 67891331507  
Option 3 ID : 67891331508  
Option 4 ID : 67891331505  
Status : Not Answered  
Chosen Option : --

Q.3 The AIADMK party is a regional political party of which state?

- Ans
- 1. Karnataka
  - 2. Telangana
  - 3. Tamil Nadu
  - 4. Andhra Pradesh

Question ID : 6789137891  
Option 1 ID : 67891331564  
Option 2 ID : 67891331563  
Option 3 ID : 67891331561  
Option 4 ID : 67891331562  
Status : Answered  
Chosen Option : 2

Q.3 Pressure  $\times$  Area = \_\_\_\_\_ ?

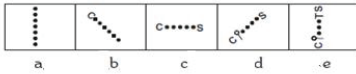
- Ans
- 1. Thrust
  - 2. Inertia
  - 3. Momentum
  - 4. Volume

Question ID : 6789137857

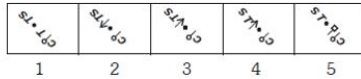
Option 1 ID : 67891331426  
Option 2 ID : 67891331428  
Option 3 ID : 67891331427  
Option 4 ID : 67891331425  
Status : Answered  
Chosen Option : 2

Q.3 Study the pattern in the following series and identify which figure from the answer figures will follow next.  
7

Problem figure



Answer figures



Ans 1. 5

2. 2

3. 3

4. 1

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

Question ID : 6789137848  
Option 1 ID : 67891331392  
Option 2 ID : 67891331390  
Option 3 ID : 67891331391  
Option 4 ID : 67891331389  
Status : Answered  
Chosen Option : 4

Q.3 A hollow sphere with external and internal diameters as 24 cm and 16 cm, respectively, is melted into a cylinder with a base diameter of 32 cm. The height of the cylinder is closest to:  
8

Ans  1. 7.33 cm

2. 5.56 cm

3. 5.16 cm

4. 6.33 cm

Question ID : 6789137820  
Option 1 ID : 67891331280  
Option 2 ID : 67891331279  
Option 3 ID : 67891331278  
Option 4 ID : 67891331277  
Status : Not Answered  
Chosen Option : --

Q.3  
9



Using the above three shapes form a valid shape and identify your shape with the below options?

Ans

✓ 1.



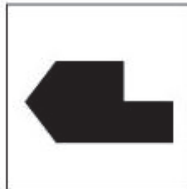
✗ 2.



✗ 3.



✗ 4.



Question ID : 6789137847  
Option 1 ID : 67891331387  
Option 2 ID : 67891331388  
Option 3 ID : 67891331386  
Option 4 ID : 67891331385  
Status : Answered  
Chosen Option : 1

Q.4 0 Founded in 1927, Dr. Bhimrao Ambedkar University is a non-profit public higher education institution located in the urban setting of the large city of \_\_\_\_\_.

- Ans
- ✗ 1. Gorakhpur
  - ✓ 2. Agra
  - ✗ 3. Lucknow
  - ✗ 4. Kanpur

Question ID : 6789137893  
Option 1 ID : 67891331572  
Option 2 ID : 67891331571  
Option 3 ID : 67891331570  
Option 4 ID : 67891331569  
Status : Not Answered  
Chosen Option : --

Q.4 1 Ratnagiri mines are found in which state?

- Ans
- ✗ 1. Gujarat
  - ✗ 2. Telangana
  - ✓ 3. Maharashtra
  - ✗ 4. Karnataka

Question ID : 6789137899  
Option 1 ID : 67891331596  
Option 2 ID : 67891331593  
Option 3 ID : 67891331595  
Option 4 ID : 67891331594  
Status : Answered  
Chosen Option : 1

Q.4  
2 How many groups are there in the modern periodic table?

- Ans
- 1. 9
  - 2. 18
  - 3. 21
  - 4. 8

Question ID : 6789137874  
Option 1 ID : 67891331494  
Option 2 ID : 67891331495  
Option 3 ID : 67891331496  
Option 4 ID : 67891331493  
Status : Answered  
Chosen Option : 4

Q.4  
3 The two roots of a quadratic equation are given as  $x = \frac{5}{3}$  and  $x = \frac{-3}{10}$ . The equation can be written as:

- Ans
- 1.  $(10x - 3)(3x - 5) = 0$
  - 2.  $(10x + 3)(3x - 5) = 0$
  - 3.  $(10x + 3)(3x + 5) = 0$
  - 4.  $(10x - 3)(3x + 5) = 0$

Question ID : 6789137823  
Option 1 ID : 67891331290  
Option 2 ID : 67891331289  
Option 3 ID : 67891331292  
Option 4 ID : 67891331291  
Status : Answered  
Chosen Option : 2

Q.4 Neela was sweeping the floor. When she was facing south-west, she moved the broom  $90^\circ$  along the floor to her right.

4 In which direction is the broom facing with respect to its initial position?

- Ans
- 1. North-west
  - 2. South-west
  - 3. North-east
  - 4. South-east

Question ID : 6789137854  
Option 1 ID : 67891331415  
Option 2 ID : 67891331413  
Option 3 ID : 67891331416  
Option 4 ID : 67891331414  
Status : Answered  
Chosen Option : 1

Q.4  
5 Arjit's age is 3 years more than 1.5 times the age of Heera, whose age in turn is 10 years more than  $\frac{2}{3}$  the age of Deepika. If 5 times the age of Deepika is equal to 3 times the age of Arjit, what is the sum of the present ages of the trio?

Ans

- 1. 99 years
- 2. 95 years
- 3. 100 years
- 4. 97 years

Question ID : 6789137819  
Option 1 ID : 67891331275  
Option 2 ID : 67891331273  
Option 3 ID : 67891331276  
Option 4 ID : 67891331274  
Status : Answered  
Chosen Option : 3

Q.4 Select the option that is related to the third term in the same way as the second term is related to the first term.  
6

Bird : Nest :: Lion : \_\_\_\_\_ ?

- Ans
- 1. Hive
  - 2. Den
  - 3. Igloo
  - 4. Convent

Question ID : 6789137844  
Option 1 ID : 67891331375  
Option 2 ID : 67891331376  
Option 3 ID : 67891331373  
Option 4 ID : 67891331374  
Status : Answered  
Chosen Option : 2

Q.4 Preethi tells Kajol, "Your mother's father's own son is my husband." How is Preethi related to Kajol?  
7

- Ans
- 1. Daughter
  - 2. Cousin
  - 3. Sister-in-law
  - 4. Aunt

Question ID : 6789137829  
Option 1 ID : 67891331314  
Option 2 ID : 67891331315  
Option 3 ID : 67891331313  
Option 4 ID : 67891331316  
Status : Answered  
Chosen Option : 1

Q.4 ₹ 10000, invested at 30% rate of interest per annum, but compounded every four months, will give an amount of ₹ \_\_\_\_  
8 in one year.

- Ans
- 1. 13270
  - 2. 13000
  - 3. 13300
  - 4. 13310

Question ID : 6789137811  
Option 1 ID : 67891331244  
Option 2 ID : 67891331243  
Option 3 ID : 67891331242



Option 4 ID : 67891331241  
Status : Answered  
Chosen Option : 4

Q.4  
9 Which of the numbers given below is NOT divisible by 4?

- Ans
- 1. 89700
  - 2. 76166
  - 3. 43584
  - 4. 74708

Question ID : 6789137804  
Option 1 ID : 67891331216  
Option 2 ID : 67891331215  
Option 3 ID : 67891331213  
Option 4 ID : 67891331214  
Status : Answered  
Chosen Option : 2

Q.5  
0 A body of mass  $m$  moving with velocity 4 km/h collides with a body of mass  $3m$  at rest. Now the coalesced mass starts to move with a velocity of:

- Ans
- 1. 4 km/h
  - 2.  $\frac{4}{3}$  km/h
  - 3. 1 km/h
  - 4. 2 km/h

Question ID : 6789137861  
Option 1 ID : 67891331442  
Option 2 ID : 67891331441  
Option 3 ID : 67891331444  
Option 4 ID : 67891331443  
Status : Answered  
Chosen Option : 2

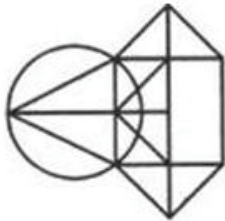
Q.5  
1 The square root of which of the numbers below will be rational?

- Ans
- 1. 16848
  - 2. 41872
  - 3. 49883
  - 4. 43264

Question ID : 6789137801  
Option 1 ID : 67891331202  
Option 2 ID : 67891331203  
Option 3 ID : 67891331201  
Option 4 ID : 67891331204  
Status : Answered  
Chosen Option : 3

Q.5  
2

Find the number of triangles in the given figure.



- Ans  1. 14  
 2. 12  
 3. 10  
 4. 16

Question ID : 6789137851  
Option 1 ID : 67891331403  
Option 2 ID : 67891331402  
Option 3 ID : 67891331401  
Option 4 ID : 67891331404  
Status : Answered  
Chosen Option : 1

Q.5  
3 Atomic Power Station is located at *Rawatbhata*, in the state of \_\_\_\_\_

- Ans  1. Maharashtra  
 2. Madhya Pradesh  
 3. Rajasthan  
 4. Gujarat

Question ID : 6789137897  
Option 1 ID : 67891331586  
Option 2 ID : 67891331588  
Option 3 ID : 67891331585  
Option 4 ID : 67891331587  
Status : Not Answered  
Chosen Option : --

Q.5  
4 Which of the following numbers is a composite?

- Ans  1. 263  
 2. 293  
 3. 283  
 4. 273

Question ID : 6789137803  
Option 1 ID : 67891331209  
Option 2 ID : 67891331212  
Option 3 ID : 67891331211  
Option 4 ID : 67891331210  
Status : Answered  
Chosen Option : 3

Q.5  
5 Find the next term in the following series.

48, 47, 50, 49, \_\_\_\_\_?

- Ans  1. 52

- 2. 58
- 3. 60
- 4. 57

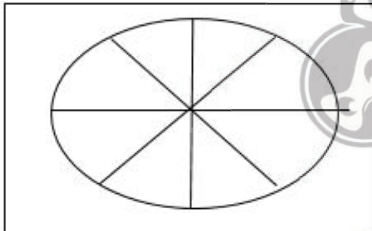
Question ID : 6789137837  
Option 1 ID : 67891331345  
Option 2 ID : 67891331348  
Option 3 ID : 67891331346  
Option 4 ID : 67891331347  
Status : Answered  
Chosen Option : 1

Q.5  
6 As of February 2018, the Chairman of Central Board of Film Certification is:

- Ans
- 1. Sujit Sircar
  - 2. Prasoos Joshi
  - 3. Swanand Kirkire
  - 4. Pahlaj Nihalani

Question ID : 6789137886  
Option 1 ID : 67891331542  
Option 2 ID : 67891331543  
Option 3 ID : 67891331544  
Option 4 ID : 67891331541  
Status : Not Answered  
Chosen Option : --

Q.5  
7 How many sectors are present in the below figure?



- Ans
- 1. 64
  - 2. 40
  - 3. 48
  - 4. 56

Question ID : 6789137852  
Option 1 ID : 67891331408  
Option 2 ID : 67891331407  
Option 3 ID : 67891331406  
Option 4 ID : 67891331405  
Status : Answered  
Chosen Option : 1

Q.5  
8 Oxides of non-metals are usually \_\_\_\_\_.

- Ans
- 1. acidic
  - 2. neutral

- 3. less reactive
- 4. basic

Question ID : 6789137873  
Option 1 ID : 67891331491  
Option 2 ID : 67891331489  
Option 3 ID : 67891331492  
Option 4 ID : 67891331490  
Status : Answered  
Chosen Option : 3

Q.5  
9 \_\_\_\_\_ describes pollination by the agency of ants.

- Ans
- 1. Emasculation
  - 2. Ficus Religiosa
  - 3. Dirmecophily
  - 4. Myrmecophily

Question ID : 6789137879  
Option 1 ID : 67891331515  
Option 2 ID : 67891331516  
Option 3 ID : 67891331514  
Option 4 ID : 67891331513  
Status : Not Answered  
Chosen Option : --

Q.6  
0 Barkha Dutt is known for her role as which of the following?

- Ans
- 1. Politician
  - 2. Doctor
  - 3. Journalist
  - 4. Actor

Question ID : 6789137887  
Option 1 ID : 67891331548  
Option 2 ID : 67891331546  
Option 3 ID : 67891331547  
Option 4 ID : 67891331545  
Status : Not Answered  
Chosen Option : --

Q.6  
1 The process of releasing of an egg from the ovary is called \_\_\_\_\_.

- Ans
- 1. Fertilisation
  - 2. Reproduction
  - 3. Gestation
  - 4. Ovulation

Question ID : 6789137878  
Option 1 ID : 67891331512  
Option 2 ID : 67891331509  
Option 3 ID : 67891331510  
Option 4 ID : 67891331511  
Status : Answered  
Chosen Option : 4

Q.6

2 The arithmetic mean of four distinct numbers is 90. If the greatest of the four numbers is 120, what is the maximum possible value of the range of the set of four numbers?

- Ans
- 1. 115
  - 2. 117
  - 3. 116
  - 4. 118

Question ID : 6789137822  
Option 1 ID : 67891331285  
Option 2 ID : 67891331287  
Option 3 ID : 67891331286  
Option 4 ID : 67891331288  
Status : Not Answered  
Chosen Option : --

Q.6  $105 \times 2 \div (3 \times 5) - 6 = ?$

- Ans
- 1. -70
  - 2. 5
  - 3. 8
  - 4. 35

Question ID : 6789137802  
Option 1 ID : 67891331207  
Option 2 ID : 67891331206  
Option 3 ID : 67891331208  
Option 4 ID : 67891331205  
Status : Answered  
Chosen Option : 3

Q.6 Mohan's mother was four times as old as Mohan ten years ago. After 10 years, she will be twice as old as Mohan. How old is Mohan today?

- Ans
- 1. 20 years
  - 2. 15 years
  - 3. 22 years
  - 4. 32 years

Question ID : 6789137817  
Option 1 ID : 67891331268  
Option 2 ID : 67891331265  
Option 3 ID : 67891331266  
Option 4 ID : 67891331267  
Status : Answered  
Chosen Option : 1

Q.6 A cube of 9 cm edge is immersed completely in a rectangular vessel containing water. If the base of the vessel is 12 cm  $\times$  15 cm then find the rise in the level of water when the cube is immersed?

- Ans
- 1. 4.55 cm
  - 2. 6.05 cm
  - 3. 6.55 cm
  - 4. 4.05 cm

Question ID : 6789137816  
Option 1 ID : 67891331264  
Option 2 ID : 67891331261  
Option 3 ID : 67891331262  
Option 4 ID : 67891331263

Status : Not Answered  
Chosen Option : --

Q.6 4 W X Z 8 Q P O J 6 G T M V E U H 5 3 B  
6

If the letters in the position 8, 12, 13 and 15 from the left are picked to form a meaningful word, then the third letter of the word would be:

- Ans
- 1. P
  - 2. O
  - 3. E
  - 4. M

Question ID : 6789137836  
Option 1 ID : 67891331344  
Option 2 ID : 67891331342  
Option 3 ID : 67891331343  
Option 4 ID : 67891331341  
Status : Answered  
Chosen Option : 3

Q.6 7 The median of the first 25 whole numbers is:

- Ans
- 1. 10
  - 2. 12.5
  - 3. 15
  - 4. 12

Question ID : 6789137821  
Option 1 ID : 67891331283  
Option 2 ID : 67891331281  
Option 3 ID : 67891331284  
Option 4 ID : 67891331282  
Status : Answered  
Chosen Option : 2

Q.6 8 Which of the following is NOT a difference between lenses and mirrors?

- Ans
- 1. Light reflects from a mirror. Light goes through and is refracted by a lens.
  - 2. A concave mirror converges light to a focal point. For lenses, light converges to a point for a convex lens.
  - 3. A convex mirror converges light, as does a concave lens.
  - 4. Lenses have two focal points, one on either side of the lens.

Question ID : 6789137863  
Option 1 ID : 67891331451  
Option 2 ID : 67891331449  
Option 3 ID : 67891331452  
Option 4 ID : 67891331450  
Status : Answered  
Chosen Option : 4

Q.6 9 75% of the students passed in an examination. If 2 more students had passed the examination, 80% would have been successful. How many students are there in the class?

- Ans
- 1. 40
  - 2. 30
  - 3. 50

4. 32

Question ID : 6789137809  
Option 1 ID : 67891331235  
Option 2 ID : 67891331233  
Option 3 ID : 67891331236  
Option 4 ID : 67891331234  
Status : Answered  
Chosen Option : 1

Q.7 The Mission Olympic Cell (MOC) of the Union Ministry of Sports and Youth Affairs included the Men's \_\_\_ team of  
0 India in the Target Olympic Podium scheme.

- Ans  1. Hockey  
 2. Shooting  
 3. Football  
 4. Badminton

Question ID : 6789137883  
Option 1 ID : 67891331529  
Option 2 ID : 67891331531  
Option 3 ID : 67891331530  
Option 4 ID : 67891331532  
Status : Answered  
Chosen Option : 1

Q.7 What change will occur to the pH of a solution if its Hydrogen ion concentration is increased?  
1

- Ans  1. The pH will decrease.  
 2. The pH will first increase and after some time, decrease.  
 3. The pH will remain the same.  
 4. The pH will increase.

Question ID : 6789137870  
Option 1 ID : 67891331478  
Option 2 ID : 67891331480  
Option 3 ID : 67891331479  
Option 4 ID : 67891331477  
Status : Answered  
Chosen Option : 3

Q.7 The square root of 19881 is:  
2

- Ans  1. 149  
 2. 129  
 3. 141  
 4. 131

Question ID : 6789137807  
Option 1 ID : 67891331227  
Option 2 ID : 67891331225  
Option 3 ID : 67891331228  
Option 4 ID : 67891331226  
Status : Answered  
Chosen Option : 3

Q.7 The least reactive elements of the periodic table are:  
3

- Ans
- 1. Transition elements
  - 2. Inner transition elements
  - 3. Alkali metals
  - 4. Noble gases

Question ID : 6789137867  
Option 1 ID : 67891331466  
Option 2 ID : 67891331465  
Option 3 ID : 67891331467  
Option 4 ID : 67891331468  
Status : Answered  
Chosen Option : 4

Q.7  
4 Newton's second law of motion \_\_\_\_\_

- Ans
- 1. is also called as law of conservation of momentum.
  - 2. is also called as law of inertia
  - 3. describes the relationship between the forces on two interacting objects.
  - 4. explains about change in momentum.

Question ID : 6789137856  
Option 1 ID : 67891331422  
Option 2 ID : 67891331424  
Option 3 ID : 67891331421  
Option 4 ID : 67891331423  
Status : Answered  
Chosen Option : 4

Q.7  
5 What is the HCF of 132 and 176?

- Ans
- 1. 33
  - 2. 66
  - 3. 44
  - 4. 22

Question ID : 6789137806  
Option 1 ID : 67891331224  
Option 2 ID : 67891331221  
Option 3 ID : 67891331222  
Option 4 ID : 67891331223  
Status : Answered  
Chosen Option : 3

Q.7  
6 Shamim had to travel 420 km in 8 hours. If he travelled at an average speed of 60 km/h and took two breaks in between, the shorter break being one-third the duration of the longer, how many minutes was the longer break for?

- Ans
- 1. 45
  - 2. 30
  - 3. 40
  - 4. 35

Question ID : 6789137815  
Option 1 ID : 67891331260  
Option 2 ID : 67891331257  
Option 3 ID : 67891331259  
Option 4 ID : 67891331258



Status : Not Answered  
Chosen Option : --

Q.7 An athlete in the Olympic games covers a distance of 100 m in 10 s. His kinetic energy can be estimated to be in the range of:

- Ans
- 1. 200 J – 500 J
  - 2. 200000 J – 500000 J
  - 3. 20000 J – 50000 J
  - 4. 2000 J – 5000 J

Question ID : 6789137862  
Option 1 ID : 67891331446  
Option 2 ID : 67891331448  
Option 3 ID : 67891331447  
Option 4 ID : 67891331445  
Status : Not Answered  
Chosen Option : --

Q.7 A sum of money when invested for a year at the rate of 10% interest per annum compounded half-yearly becomes ₹ 44,100 at maturity. The sum invested was \_\_\_\_\_.

- Ans
- 1. ₹ 40000
  - 2. ₹ 40500
  - 3. ₹ 39800
  - 4. ₹ 40250

Question ID : 6789137812  
Option 1 ID : 67891331247  
Option 2 ID : 67891331246  
Option 3 ID : 67891331248  
Option 4 ID : 67891331245  
Status : Answered  
Chosen Option : 3

Q.7 Three out of the four options given below are related in a particular way. Choose the option that is different or odd from the others.

- Ans
- 1. Jhelum
  - 2. Betwa
  - 3. Chambal
  - 4. Yamuna

Question ID : 6789137846  
Option 1 ID : 67891331381  
Option 2 ID : 67891331383  
Option 3 ID : 67891331382  
Option 4 ID : 67891331384  
Status : Answered  
Chosen Option : 4

Q.8 The \_\_\_ has created National Highways Investment Promotion Cell (NHIPC) for attracting domestic and foreign investment for highways projects.

- Ans
- 1. NTPC
  - 2. SAIL
  - 3. TRAI
  - 4. NHAI

Question ID : 6789137900

Option 1 ID : 67891331597  
Option 2 ID : 67891331598  
Option 3 ID : 67891331600  
Option 4 ID : 67891331599  
Status : Answered  
Chosen Option : 4

Q.8 Read the statement and decide which of the conclusions logically follows from the statement.

1

Statement:

This cup is filled with tea.

Conclusions:

I. The tea is too hot.

II. The tea is sweet.

Ans  1. Neither conclusion I nor II follows

2. Only conclusion I follows

3. Both conclusions I and II follow

4. Only conclusion II follows

Question ID : 6789137834  
Option 1 ID : 67891331335  
Option 2 ID : 67891331333  
Option 3 ID : 67891331336  
Option 4 ID : 67891331334  
Status : Answered  
Chosen Option : 1

Q.8 Sravanthi is Varun's maternal grandmother. How is Varun's only sister's mother related to Sravanthi?

2

Ans  1. Daughter

2. Sister-in-law

3. Aunt

4. Sister

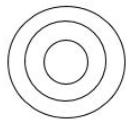
Question ID : 6789137826  
Option 1 ID : 67891331301  
Option 2 ID : 67891331304  
Option 3 ID : 67891331302  
Option 4 ID : 67891331303  
Status : Answered  
Chosen Option : 1

Q.8 Which of the following Venn diagrams best illustrates the relation between the three given classes?

3

Professor, Student, Player

A



B



C



D



Ans  1. B

2. C  
 3. D  
 4. A

Question ID : 6789137850  
Option 1 ID : 67891331398  
Option 2 ID : 67891331399  
Option 3 ID : 67891331400  
Option 4 ID : 67891331397  
Status : Answered  
Chosen Option : 4

Q.8 Shesh Anand Madhukar is a \_\_\_\_\_ writer who was honoured with the Sahitya Academy Bhasha Samman Award in  
4 January, 2018.

- Ans  1. Maithili  
 2. Kannada  
 3. Magahi  
 4. Sanskrit

Question ID : 6789137889  
Option 1 ID : 67891331556  
Option 2 ID : 67891331553  
Option 3 ID : 67891331554  
Option 4 ID : 67891331555  
Status : Not Answered  
Chosen Option : --

Q.8 Select the option that is related to the third term in the same way as the second term is related to the first term.  
5

STEPS : SPETS :: CLOCK : \_\_\_\_\_?

- Ans  1. KCOCL  
 2. KCLOC  
 3. KOCLC  
 4. KCOLC

Question ID : 6789137842  
Option 1 ID : 67891331365  
Option 2 ID : 67891331366  
Option 3 ID : 67891331367  
Option 4 ID : 67891331368  
Status : Answered  
Chosen Option : 4

Q.8 Find odd one out.  
6

- Ans  1. VI  
 2. 7  
 3. IX  
 4. VII

Question ID : 6789137849  
Option 1 ID : 67891331394  
Option 2 ID : 67891331393  
Option 3 ID : 67891331395  
Option 4 ID : 67891331396  
Status : Answered  
Chosen Option : 2

Q.8 Sarthak can fill a sand-pit with sand in 36 days while Vivan takes 90 days to fill it. Ali can take the entire sand of a  
7 filled sand-pit out in 60 days. If all three start working when the pit is empty, in how many days will the sand-pit be full  
again?

- Ans  1. 45  
 2. 54  
 3. 48  
 4. 50

Question ID : 6789137813  
Option 1 ID : 67891331249  
Option 2 ID : 67891331250  
Option 3 ID : 67891331252  
Option 4 ID : 67891331251  
Status : Not Answered  
Chosen Option : --

Q.8 The Godavari, Krishna, Kaveri and Vaigai are \_\_\_\_\_ flowing rivers.

- Ans  1. north  
 2. east  
 3. west  
 4. south

Question ID : 6789137896  
Option 1 ID : 67891331584  
Option 2 ID : 67891331582  
Option 3 ID : 67891331581  
Option 4 ID : 67891331583  
Status : Answered  
Chosen Option : 2

Q.8 The sum of a rational and an irrational number is a/an \_\_\_\_\_.

- Ans  1. Rational number  
 2. Natural number  
 3. Irrational number  
 4. Complex number

Question ID : 6789137805  
Option 1 ID : 67891331217  
Option 2 ID : 67891331220  
Option 3 ID : 67891331218  
Option 4 ID : 67891331219  
Status : Answered  
Chosen Option : 4

Q.9 Consider the following question and decide which of the statements is sufficient to answer the question.

0 Question:

Find the value of z,

Statements:

- 1)  $z^2 = 36 + a$   
2)  $a = x^2$  &  $x = 8$

- Ans  1. Either 1 or 2 is sufficient  
 2. Both 1 and 2 are sufficient  
 3. Only 1 is sufficient

**X** 4. Only 2 is sufficient

Question ID : 6789137843  
Option 1 ID : 67891331370  
Option 2 ID : 67891331372  
Option 3 ID : 67891331369  
Option 4 ID : 67891331371  
Status : Answered  
Chosen Option : 2

Q.9  
1 Which of the following statements is not true?

Ans **X** 1.

Bacteria present in the mouth produce acids by degradation of sugar and food particles remaining in the mouth.

**✓** 2.

When pH of the mouth is higher than 5.5, then tooth decay starts.

**X** 3.

Tooth enamel made of calcium phosphate is the hardest substance in the body.

**X** 4.

Using toothpaste, which are generally basic, helps neutralise the excess acid and prevent tooth decay.

Question ID : 6789137871  
Option 1 ID : 67891331482  
Option 2 ID : 67891331483  
Option 3 ID : 67891331481  
Option 4 ID : 67891331484  
Status : Answered  
Chosen Option : 2

Q.9  
2 A and B can complete a task in 70 days, B and C can complete it in 52.5 days while C and A can do the same task together in 42 days. How many days will each of A, B and C take to complete the task individually?

Ans **✓** 1. 105, 210 and 70

**X** 2. 56, 84 and 168

**X** 3. 70, 210 and 105

**X** 4. 84, 168 and 56



Question ID : 6789137814  
Option 1 ID : 67891331253  
Option 2 ID : 67891331256  
Option 3 ID : 67891331255  
Option 4 ID : 67891331254  
Status : Not Answered  
Chosen Option : --

Q.9  
3 Which of the following is NOT an equation of motion?

Ans 1.  $s = ut + \frac{1}{2} at^3$

2.  $v = u + a$

3.  $s = ut + \frac{1}{2} at^2$

4.  $v^2 = u^2 + 2as$

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

Question ID : 6789137859  
Option 1 ID : 67891331435

Option 2 ID : 67891331433  
Option 3 ID : 67891331434  
Option 4 ID : 67891331436  
Status : Answered  
Chosen Option : 1

Q.9  
4 Which children's movie features the famous song, "The Bare Necessities"?

- Ans  1. The Jungle Book  
 2. Rockford  
 3. Stanley's Tiffin Box  
 4. The BFG

Question ID : 6789137885  
Option 1 ID : 67891331540  
Option 2 ID : 67891331537  
Option 3 ID : 67891331539  
Option 4 ID : 67891331538  
Status : Answered  
Chosen Option : 1

Q.9  
5 Consider the following question and decide which of the statements is sufficient to answer the question.

The simple interest on a sum of money is ₹100. What is the sum?

Statements:

- I. The interest rate is 20% per annum.  
II. The sum earned simple interest in 5 years.

- Ans  1. Both statements I and II are sufficient  
 2. Only statement I is sufficient  
 3. Only statement II is sufficient  
 4. Either statement I or II is sufficient

Question ID : 6789137841  
Option 1 ID : 67891331364  
Option 2 ID : 67891331361  
Option 3 ID : 67891331362  
Option 4 ID : 67891331363  
Status : Answered  
Chosen Option : 1

Q.9  
6 Which of the following statements is correct?

- Ans  1.  
Two or more resistors are said to be connected in series if different current flows through them.  
 2.  
Two or more resistors are said to be connected in series if the same current flows through them.  
 3.  
Two or more resistors are said to be connected in parallel if the same current flows through them.  
 4.  
Two or more resistors are said to be connected in parallel if different current flows through them.

Question ID : 6789137865  
Option 1 ID : 67891331459  
Option 2 ID : 67891331458  
Option 3 ID : 67891331457  
Option 4 ID : 67891331460  
Status : Answered  
Chosen Option : 3

Q.9  
7 The atomic number of the atom that becomes stable by gaining 3 electrons in 5<sup>th</sup> shell is:

- Ans
- 1. 57
  - 2. 51
  - 3. 55
  - 4. 59

Question ID : 6789137868  
Option 1 ID : 67891331471  
Option 2 ID : 67891331469  
Option 3 ID : 67891331470  
Option 4 ID : 67891331472  
Status : Not Answered  
Chosen Option : --

Q.9  
8 Find the odd one out.

- Ans
- 1. Quadratic Equation
  - 2. Cubic Equation
  - 3. Linear Equation
  - 4. Real Numbers

Question ID : 6789137827  
Option 1 ID : 67891331308  
Option 2 ID : 67891331307  
Option 3 ID : 67891331306  
Option 4 ID : 67891331305  
Status : Answered  
Chosen Option : 4

Q.9  
9 Which of the following cup/tournament is NOT associated with Cricket?

- Ans
- 1. Irani trophy
  - 2. Ranji trophy
  - 3. Begum Hazrat mahal trophy
  - 4. Vijay Hazare trophy

Question ID : 6789137882  
Option 1 ID : 67891331525  
Option 2 ID : 67891331526  
Option 3 ID : 67891331528  
Option 4 ID : 67891331527  
Status : Answered  
Chosen Option : 3

Q.1  
00 Raja Ravi Verma was a painter and sculptor from the state of \_\_\_\_\_.

- Ans
- 1. Uttar Pradesh
  - 2. Kerala
  - 3. Tamilnadu
  - 4. Assam

Question ID : 6789137895  
Option 1 ID : 67891331578

Option 2 ID : 67891331580  
Option 3 ID : 67891331577  
Option 4 ID : 67891331579  
Status : Answered  
Chosen Option : 1

