



RRB GROUP - D **SHIFT – 3 (01-10-2018)**

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# RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

## Level-1 Posts CEN-02/2018

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Test Center Name:	Ion Digital Zone IDZ1 Mundka
Test Date:	01/10/2018
Test Time:	4:00 PM - 5:30 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 Read the statements and identify the logically correct conclusion from the given information.

**Statement:**

"The pedestrian crossing is few feet away, it is safe to use it," says a mother to her child.

**Conclusions:**

- Pedestrians should use pedestrian crossing for safety.
- All the children know what is pedestrian crossing.

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

Question ID : 6913522732  
Option 1 ID : 69135210925  
Option 2 ID : 69135210928  
Option 3 ID : 69135210926  
Option 4 ID : 69135210927  
Status : Answered  
Chosen Option : 1

Q.2 What is the third proportional to 9 and 12?

- Ans  1. 19  
 2. 16  
 3. 18  
 4. 17

Question ID : 6913522709  
Option 1 ID : 69135210836  
Option 2 ID : 69135210833  
Option 3 ID : 69135210835  
Option 4 ID : 69135210834  
Status : Answered  
Chosen Option : 2

Q.3

Which of the statements is sufficient to answer the question?

**Question:**

Find the total number of students in a class if the class has some boys and some girls.

**Statements:**

- I. The number of boys in a class is 10.
- II. The number of girls in a class is 2 more than the number of boys.

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

Question ID : 6913522741  
Option 1 ID : 69135210962  
Option 2 ID : 69135210963  
Option 3 ID : 69135210964  
Option 4 ID : 69135210961  
Status : Answered  
Chosen Option : 3

Q.4 In a code language, TURN is written as STQM What is the code for LIMP?

- Ans
- 1. KHLP
  - 2. KHNQ
  - 3. KHLO
  - 4. JHLO

Question ID : 6913522729  
Option 1 ID : 69135210914  
Option 2 ID : 69135210915  
Option 3 ID : 69135210913  
Option 4 ID : 69135210916  
Status : Answered  
Chosen Option : 3

Q.5 Select the option that is related to the third word on the same basis as the second word is related to the first word.

Magnetic field : Oersted : : Power : ?

- Ans
- 1. Litre
  - 2. Volt
  - 3. Watt
  - 4. Metre

Question ID : 6913522726  
Option 1 ID : 69135210902  
Option 2 ID : 69135210903  
Option 3 ID : 69135210901  
Option 4 ID : 69135210904  
Status : Answered  
Chosen Option : 3

Q.6 Kalyan is twice as old as his sister and five times younger than his father. After two years their combined age will be 58. How old is Kalyan's sister now?

- Ans
- 1. 5
  - 2. 4
  - 3. 6

✗ 4. 3

Question ID : 6913522719  
Option 1 ID : 69135210874  
Option 2 ID : 69135210875  
Option 3 ID : 69135210873  
Option 4 ID : 69135210876  
Status : Answered  
Chosen Option : 3

Q.7 If east becomes north-east, what will be north become?

- Ans
- ✓ 1. North-west
  - ✗ 2. North-east
  - ✗ 3. West
  - ✗ 4. East

Question ID : 6913522754  
Option 1 ID : 69135211014  
Option 2 ID : 69135211015  
Option 3 ID : 69135211016  
Option 4 ID : 69135211013  
Status : Answered  
Chosen Option : 1

Q.8 In 2017, The Government of India announced which of the following schemes to help replace incandescent bulbs with LED bulbs?

- Ans
- ✗ 1. Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY)
  - ✗ 2. Vidyut Shakti Sanrakshan Yojana (VSSY)
  - ✗ 3. Integrated Power Development Scheme (IPDS)
  - ✓ 4. Unnat Jyoti by Affordable LEDs for All (UJALA)

Question ID : 6913522793  
Option 1 ID : 69135211171  
Option 2 ID : 69135211169  
Option 3 ID : 69135211170  
Option 4 ID : 69135211172  
Status : Answered  
Chosen Option : 4

Q.9 3 R # 2 A S K 5 % T 7 & N Y + X B / L Q @ 1

If the second half of the above series is reversed then using the new series find the missing term.

+ % 2 : / S 3 :: @ Y S : \_\_\_\_\_

- Ans
- ✗ 1. 7XR
  - ✓ 2. TB#
  - ✗ 3. BT#
  - ✗ 4. % # K

Question ID : 6913522738  
Option 1 ID : 69135210950  
Option 2 ID : 69135210951  
Option 3 ID : 69135210952  
Option 4 ID : 69135210949  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.1

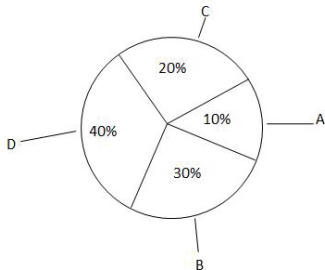
0 Diksha obtained 58% marks in an exam where the maximum marks was 450. She obtained \_\_\_\_ marks.

- Ans
- 1. 290
  - 2. 276
  - 3. 261
  - 4. 275.5

Question ID : 6913522716  
Option 1 ID : 69135210861  
Option 2 ID : 69135210863  
Option 3 ID : 69135210864  
Option 4 ID : 69135210862  
Status : Answered  
Chosen Option : 3

Q.1 The data shows the information on the number of children vaccinated in the year 2016 in different cities:

1



If the total number of children vaccinated in the year 2016 is 1,20,000, then how many kids from city 'B' were vaccinated?

- Ans
- 1. 24,000
  - 2. 48,000
  - 3. 12,000
  - 4. 36,000



Question ID : 6913522740  
Option 1 ID : 69135210958  
Option 2 ID : 69135210960  
Option 3 ID : 69135210957  
Option 4 ID : 69135210959  
Status : Answered  
Chosen Option : 4

Q.1 Choose the correct Venn diagram which represents the given words:

2

“Utensils, Furniture, Clothes”

Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 6913522752

Option 1 ID : 69135211005  
Option 2 ID : 69135211008  
Option 3 ID : 69135211006  
Option 4 ID : 69135211007  
Status : Answered  
Chosen Option : 1

Q.1 Sindhu can cover a distance of  $20\frac{2}{3}$  km in  $7\frac{3}{4}$  hours on foot. How many km per hour does she walk?

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

Question ID : 6913522704  
Option 1 ID : 69135210814  
Option 2 ID : 69135210815  
Option 3 ID : 69135210813  
Option 4 ID : 69135210816  
Status : Answered  
Chosen Option : 3

Q.1 A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

4

**Statement:**

Too much of pain killer affects the liver.

**Arguments:**

- I. Yes, for all small aches we should avoid taking pain killers.
- II. No, when we have the comfort of gulping a tablet; why to bear the pain?

- Ans
- 1. Only argument I is strong.
  - 2. Both I and II are strong
  - 3. Only argument II is strong.
  - 4. Neither I nor II is strong.

Question ID : 6913522735  
Option 1 ID : 69135210940  
Option 2 ID : 69135210937  
Option 3 ID : 69135210938  
Option 4 ID : 69135210939  
Status : Answered  
Chosen Option : 1

Q.1 If the simple interest on a certain sum for 1.5 years at 8% p.a. is ₹ 360. Find the compound interest on the same sum for the same rate of interest but double the time?

5

- Ans
- 1. ₹ 778
  - 2. ₹ 778.13
  - 3. ₹ 779
  - 4. ₹ 779.13

Question ID : 6913522712  
Option 1 ID : 69135210848  
Option 2 ID : 69135210845  
Option 3 ID : 69135210846  
Option 4 ID : 69135210847  
Status : Answered



Q.1  
6 The capital of Jharkhand is \_\_\_\_\_

- Ans
- 1. Hattia
  - 2. Patna
  - 3. Ranchi
  - 4. Jamshedpur

Question ID : 6913522796  
 Option 1 ID : 69135211184  
 Option 2 ID : 69135211181  
 Option 3 ID : 69135211183  
 Option 4 ID : 69135211182  
 Status : Answered  
 Chosen Option : 3

Q.1  
7 Rathin & Bratin together can complete a piece of work in 12 days. They start the work together but Rathin had to leave 5 days before the work got over. As a result it took a total of 15 days to complete the work. How many days would it have taken Bratin to complete the work by himself?

- Ans
- 1. 20
  - 2. 24
  - 3. 30
  - 4. 28

Question ID : 6913522714  
 Option 1 ID : 69135210853  
 Option 2 ID : 69135210854  
 Option 3 ID : 69135210856  
 Option 4 ID : 69135210855  
 Status : Answered  
 Chosen Option : 2

Q.1  
8 The substances whose odour changes in acidic or basic media are called \_\_\_\_\_.

- Ans
- 1. Natural indicators
  - 2. Synthetic indicators
  - 3. Acid-base indicators
  - 4. Olfactory indicators

Question ID : 6913522770  
 Option 1 ID : 69135211077  
 Option 2 ID : 69135211079  
 Option 3 ID : 69135211080  
 Option 4 ID : 69135211078  
 Status : Answered  
 Chosen Option : 1

Q.1  
9 Which of the following statements is/are true/false about speed of sound in different media at 25°C ?

- A. In oxygen gas, speed of sound is 316 m/s.
- B. In water (distilled), the speed of sound is 1498 m/s.

- Ans
- 1. Only A is true
  - 2. Neither A nor B are true
  - 3. Both A and B are true
  - 4. Only B is true

Question ID : 6913522763  
Option 1 ID : 69135211049  
Option 2 ID : 69135211052  
Option 3 ID : 69135211051  
Option 4 ID : 69135211050  
Status : Not Answered  
Chosen Option : --

Q.2 Find the square root of the perfect square made by multiplying 4050 with a least positive integer.

- 0
- Ans  1. 80  
 2. 90  
 3. 85  
 4. 95

Question ID : 6913522706  
Option 1 ID : 69135210821  
Option 2 ID : 69135210823  
Option 3 ID : 69135210822  
Option 4 ID : 69135210824  
Status : Answered  
Chosen Option : 2

Q.2 Transpiration takes place through the \_\_\_\_\_ .

- 1
- Ans  1. vascular bundles  
 2. cortex  
 3. stomata  
 4. epidermis

Question ID : 6913522776  
Option 1 ID : 69135211103  
Option 2 ID : 69135211102  
Option 3 ID : 69135211104  
Option 4 ID : 69135211101  
Status : Answered  
Chosen Option : 3

Q.2 If L stands for +, M stands for -, N stands for X, P stands for ÷ then what is the value of 7N12L48P4M6?

- 2
- Ans  1. 98  
 2. 90  
 3. 94  
 4. 92

Question ID : 6913522737  
Option 1 ID : 69135210948  
Option 2 ID : 69135210947  
Option 3 ID : 69135210945  
Option 4 ID : 69135210946  
Status : Answered  
Chosen Option : 2

Q.2 The potential difference between the terminals of an electric heater is 60 V when it draws a current of 4 A from the source. What current will the heater draw if the potential difference is increased to 172.5 V ?

- 3
- Ans  1. 10 A  
 2. 24 A



- 3. 8.5 A
- 4. 11.5 A

Question ID : 6913522766  
 Option 1 ID : 69135211064  
 Option 2 ID : 69135211061  
 Option 3 ID : 69135211063  
 Option 4 ID : 69135211062  
 Status : Answered  
 Chosen Option : 4

Q.2 Name the shuttler who represents the Olympic committee in the Badminton World Federation?  
 4

- Ans
- 1. Saina Nehwal
  - 2. K Srikanth
  - 3. P Gopichand
  - 4. B Sai Praneeth

Question ID : 6913522782  
 Option 1 ID : 69135211125  
 Option 2 ID : 69135211128  
 Option 3 ID : 69135211126  
 Option 4 ID : 69135211127  
 Status : Answered  
 Chosen Option : 2

Q.2  
 5



The above figure is embedded in any of these four figures. The correct picture containing the above picture is:



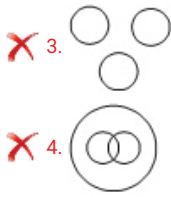
- Ans
- 1. C
  - 2. D
  - 3. B
  - 4. A

Question ID : 6913522746  
 Option 1 ID : 69135210983  
 Option 2 ID : 69135210984  
 Option 3 ID : 69135210982  
 Option 4 ID : 69135210981  
 Status : Answered  
 Chosen Option : 4

Q.2  
 6 Choose the best suitable Venn diagram for the following words

“Metal, Gold, Platinum”

- Ans
- 1.
  - 2.



Question ID : 6913522751  
Option 1 ID : 69135211001  
Option 2 ID : 69135211004  
Option 3 ID : 69135211003  
Option 4 ID : 69135211002  
Status : Answered  
Chosen Option : 1

Q.2 A person borrowed ₹ 32,000 at a yearly 9% simple interest and deposited the same amount in a bank at a yearly  
7 compound interest of 10%. What is the gain in rupees at the end of 3 years?

- Ans
- 1. ₹ 926
  - 2. ₹ 1,940
  - 3. ₹ 2,904
  - 4. ₹ 1,952

Question ID : 6913522711  
Option 1 ID : 69135210841  
Option 2 ID : 69135210842  
Option 3 ID : 69135210844  
Option 4 ID : 69135210843  
Status : Answered  
Chosen Option : 4

Q.2 Which of the following states that “properties of elements are a periodic function of their atomic number”?  
8

- Ans
- 1. Dobereiner’s triads
  - 2. Modern periodic law
  - 3. Newlands’s law of octaves
  - 4. Mendeleev’s periodic law

Question ID : 6913522774  
Option 1 ID : 69135211093  
Option 2 ID : 69135211096  
Option 3 ID : 69135211094  
Option 4 ID : 69135211095  
Status : Answered  
Chosen Option : 2

Q.2 The relation between potential difference (V) and current (I) was discovered by:  
9

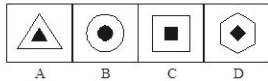
- Ans
- 1. Pascal
  - 2. Tesla
  - 3. Newton
  - 4. Ohm

Question ID : 6913522765  
Option 1 ID : 69135211058  
Option 2 ID : 69135211057  
Option 3 ID : 69135211060  
Option 4 ID : 69135211059

Status : Answered  
Chosen Option : 4

Q.3 Out of the four option figures, three are similar in a certain manner. However, one figure is NOT like the other three.

0 Select the figure which is different from the rest.



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

Question ID : 6913522747  
Option 1 ID : 69135210987  
Option 2 ID : 69135210986  
Option 3 ID : 69135210988  
Option 4 ID : 69135210985  
Status : Answered  
Chosen Option : 3

Q.3 A car, while moving, is facing a wind from the opposite direction. The work done by the wind on the car will be

1 \_\_\_\_\_.

- Ans
- 1. Infinity
  - 2. Positive
  - 3. Zero
  - 4. Negative

Question ID : 6913522761  
Option 1 ID : 69135211041  
Option 2 ID : 69135211043  
Option 3 ID : 69135211042  
Option 4 ID : 69135211044  
Status : Answered  
Chosen Option : 2

Q.3 The SI unit of power is \_\_\_\_\_.

2

- Ans
- 1. Erg
  - 2. Kilowatt
  - 3. Joule
  - 4. Watt

Question ID : 6913522760  
Option 1 ID : 69135211039  
Option 2 ID : 69135211038  
Option 3 ID : 69135211037  
Option 4 ID : 69135211040  
Status : Answered  
Chosen Option : 4

Q.3 Persons A, B and C can complete a task together in 81 days. A and B can complete the same task together in 97.2 days.

3 B and C can complete the same task together in 162 days. In how many days can B alone complete the task?

- Ans
- 1. 243
  - 2. 225
  - 3. 261

**X** 4. 234

Question ID : 6913522715  
Option 1 ID : 69135210859  
Option 2 ID : 69135210857  
Option 3 ID : 69135210860  
Option 4 ID : 69135210858  
Status : Answered  
Chosen Option : 1

Q.3 There are 10 protons and 17 neutrons in the nucleus of an element. What is its mass number?  
4

- Ans  1. 27  
 2. 7  
 3. 17  
 4. 10

Question ID : 6913522767  
Option 1 ID : 69135211068  
Option 2 ID : 69135211067  
Option 3 ID : 69135211066  
Option 4 ID : 69135211065  
Status : Not Answered  
Chosen Option : --

Q.3 Select the option that is related to the third word on the same basis as the second word is related to the first word.  
5  
Sound : Ear :: Scent :

- Ans  1. Feel  
 2. Think  
 3. Smell  
 4. Nose

Question ID : 6913522730  
Option 1 ID : 69135210918  
Option 2 ID : 69135210920  
Option 3 ID : 69135210917  
Option 4 ID : 69135210919  
Status : Answered  
Chosen Option : 4

Q.3 If the vulgar fraction of  $0.\overline{41}$  is given by  $\frac{41}{999\dots9(n \text{ times})}$  then find the value of n?  
6

- Ans  1. 4  
 2. 3  
 3. 2  
 4. 1

Question ID : 6913522703  
Option 1 ID : 69135210812  
Option 2 ID : 69135210811  
Option 3 ID : 69135210810  
Option 4 ID : 69135210809  
Status : Answered  
Chosen Option : 3

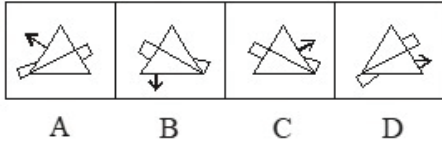
Q.3 Bratin is now 18 years old, whereas his cousin is 7 years old. After how many years will Bratin's age be 1.5 times that of his cousin?  
7

- Ans  1. 15

- 2. 16
- 3. 13
- 4. 14

Question ID : 6913522718  
Option 1 ID : 69135210871  
Option 2 ID : 69135210872  
Option 3 ID : 69135210869  
Option 4 ID : 69135210870  
Status : Answered  
Chosen Option : 1

Q.3  
8 Choose the odd one from among the given figures.



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

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

Question ID : 6913522744  
Option 1 ID : 69135210973  
Option 2 ID : 69135210976  
Option 3 ID : 69135210975  
Option 4 ID : 69135210974  
Status : Answered  
Chosen Option : 2

Q.3  
9 The British made English the medium of instruction in India in \_\_\_\_\_

- Ans  1. 1835  
 2. 1857  
 3. 1855  
 4. 1833

Question ID : 6913522794  
Option 1 ID : 69135211176  
Option 2 ID : 69135211174  
Option 3 ID : 69135211175  
Option 4 ID : 69135211173  
Status : Answered  
Chosen Option : 1

Q.4  
0 How is Srilekha's brother's only sister's father's sister related to her?

- Ans  1. Paternal Aunt  
 2. Sister  
 3. Mother  
 4. Grandmother

Question ID : 6913522727

Option 1 ID : 69135210907  
Option 2 ID : 69135210908  
Option 3 ID : 69135210906  
Option 4 ID : 69135210905  
Status : Answered  
Chosen Option : 1

Q.4  
1 A fraction when added to  $\frac{17}{3}$  gives 4. What is the said fraction?

- Ans
- 1.  $-\frac{1}{1}$
  - 2.  $-1\frac{2}{3}$
  - 3.  $\frac{9}{2}$
  - 4.  $\frac{2}{3}$

Question ID : 6913522705  
Option 1 ID : 69135210817  
Option 2 ID : 69135210819  
Option 3 ID : 69135210820  
Option 4 ID : 69135210818  
Status : Answered  
Chosen Option : 2

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

- A. An acid which is completely ionized into ions and produces large number of  $H^+$  ions. For example HCl,  $H_2SO_4$ ,  $HNO_3$
- B. An acid which is partially ionized in water and produces less number of  $H^+$  ions. Form example  $CH_3COOH$ ,  $H_2CO_3$ ,  $H_2SO_3$ .

- Ans
- 1. Both A and B are true
  - 2. Only B is true
  - 3. Both A and B are false
  - 4. Only A is true

Question ID : 6913522771  
Option 1 ID : 69135211083  
Option 2 ID : 69135211082  
Option 3 ID : 69135211084  
Option 4 ID : 69135211081  
Status : Answered  
Chosen Option : 1

Q.4  
3 Who received the prestigious Florence Nightingale Award from the former President Pranab Mukherjee in 2017?

- Ans
- 1. Krishna Kumari
  - 2. Jaya Lakshmi
  - 3. Devi Kumari
  - 4. Kavitha

Question ID : 6913522787  
Option 1 ID : 69135211145  
Option 2 ID : 69135211146  
Option 3 ID : 69135211147  
Option 4 ID : 69135211148  
Status : Answered



Q.4  
4 The SI unit of pressure is \_\_\_\_\_.

- Ans
- 1. Newton
  - 2. Ohm
  - 3. Pascal
  - 4. Dyne

Question ID : 6913522756  
 Option 1 ID : 69135211021  
 Option 2 ID : 69135211024  
 Option 3 ID : 69135211023  
 Option 4 ID : 69135211022  
 Status : Answered  
 Chosen Option : 3

Q.4  
5 Let  $\alpha, \beta$  be the roots of  $ax^2 + bx + c = 0$ ;  $\gamma, \delta$  be the roots of  $px^2 + qx + r = 0$ ; &  $D_1, D_2$  the respective discriminants of these equations. If,  $\alpha, \beta, \gamma, \delta$  are in A.P. Then find the value of  $D_1 : D_2$

- Ans
- 1.  $\frac{a^2}{p^2}$
  - 2.  $\frac{a^2}{b^2}$
  - 3.  $\frac{b^2}{q^2}$
  - 4.  $\frac{c^2}{r^2}$

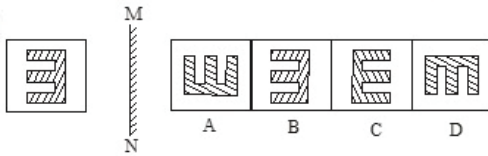
Question ID : 6913522723  
 Option 1 ID : 69135210890  
 Option 2 ID : 69135210889  
 Option 3 ID : 69135210891  
 Option 4 ID : 69135210892  
 Status : Not Answered  
 Chosen Option : --

Q.4  
6 In triangle ABC,  $AD \perp BC$  and AO is the bisector of  $\angle BAC$ . If  $\angle ABC = 65^\circ$  and  $\angle ACB = 23\frac{1}{2}^\circ$ , then  $\angle DAO$  is \_\_\_\_\_ (in degrees)

- Ans
- 1.  $20\frac{1}{4}^\circ$
  - 2.  $20\frac{1}{5}^\circ$
  - 3.  $20\frac{1}{2}^\circ$
  - 4.  $20\frac{3}{4}^\circ$

Question ID : 6913522725  
 Option 1 ID : 69135210900  
 Option 2 ID : 69135210899  
 Option 3 ID : 69135210898  
 Option 4 ID : 69135210897  
 Status : Answered  
 Chosen Option : 4

7 Find the mirror image of the given figure if the mirror is placed at line MN.



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

Question ID : 6913522755  
Option 1 ID : 69135211020  
Option 2 ID : 69135211018  
Option 3 ID : 69135211017  
Option 4 ID : 69135211019  
Status : Answered  
Chosen Option : 4

Q.4 \_\_\_\_\_ was the founder of the Lodi Dynasty.

- Ans
- 1. Sultan Ibrahim
  - 2. Ala-ud-din Lodi
  - 3. Ibrahim Lodi
  - 4. Bahlul Lodi

Question ID : 6913522795  
Option 1 ID : 69135211177  
Option 2 ID : 69135211179  
Option 3 ID : 69135211178  
Option 4 ID : 69135211180  
Status : Answered  
Chosen Option : 4

Q.4 The Indian Women's hockey team won the Asia Cup 2017 by defeating which country?

- Ans
- 1. Germany
  - 2. South Korea
  - 3. China
  - 4. Japan

Question ID : 6913522781  
Option 1 ID : 69135211121  
Option 2 ID : 69135211123  
Option 3 ID : 69135211122  
Option 4 ID : 69135211124  
Status : Answered  
Chosen Option : 2

Q.5 In a class there were 18 boys and some girls. In a test the mean score obtained by the boys was 12 while that obtained by the girls was 14. If the overall average was 13.1, what was the total number of students in the class?

- Ans
- 1. 38
  - 2. 44
  - 3. 42
  - 4. 40

Question ID : 6913522722  
Option 1 ID : 69135210885  
Option 2 ID : 69135210888  
Option 3 ID : 69135210887  
Option 4 ID : 69135210886  
Status : Answered  
Chosen Option : 4

Q.5  
1 Anya and Manya are standing facing each other. Anya is facing North-West. Which direction is Manya facing with respect to Anya?

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

Question ID : 6913522753  
Option 1 ID : 69135211012  
Option 2 ID : 69135211009  
Option 3 ID : 69135211011  
Option 4 ID : 69135211010  
Status : Answered  
Chosen Option : 3

Q.5  
2 A person walks  $\frac{2}{5}$  th of the total distance and covers one-third of the remaining distance by bus. What is the fraction of the remaining distance to be covered?

- Ans
- 1.  $\frac{3}{5}$
  - 2.  $\frac{2}{5}$
  - 3.  $\frac{7}{15}$
  - 4.  $\frac{1}{5}$

Question ID : 6913522707  
Option 1 ID : 69135210828  
Option 2 ID : 69135210827  
Option 3 ID : 69135210825  
Option 4 ID : 69135210826  
Status : Answered  
Chosen Option : 4

Q.5  
3 Who won the Best Actress Award at the 64th National Film Awards in 2017?

- Ans
- 1. Sonam Kapoor
  - 2. Taapsee Pannu
  - 3. Anushka Sharma
  - 4. Surabhi Lakshmi

Question ID : 6913522785  
Option 1 ID : 69135211137  
Option 2 ID : 69135211140  
Option 3 ID : 69135211139  
Option 4 ID : 69135211138  
Status : Answered  
Chosen Option : 2

Q.5 India's first World Heritage City Status was accorded to which of the following city by UNESCO?

4

- Ans
- 1. Hyderabad
  - 2. Hampi
  - 3. Jaipur
  - 4. Ahmedabad

Question ID : 6913522791  
Option 1 ID : 69135211162  
Option 2 ID : 69135211163  
Option 3 ID : 69135211161  
Option 4 ID : 69135211164  
Status : Answered  
Chosen Option : 2

Q.5 Which of the following pairs do not have same SI unit?

5

- Ans
- 1. Displacement and distance
  - 2. Force and pressure
  - 3. Work and energy
  - 4. Speed and velocity

Question ID : 6913522758  
Option 1 ID : 69135211031  
Option 2 ID : 69135211032  
Option 3 ID : 69135211029  
Option 4 ID : 69135211030  
Status : Answered  
Chosen Option : 2

Q.5 Read the following statement and the arguments that follow. Decide which of the arguments is strong.

6

**Statement:**

Young entrepreneurs should be encouraged.

**Arguments:**

I: Yes, it helps in the industrial development of the country and reduces burden on the employment market.

II: No, they are not experienced and may make losses.

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

Question ID : 6913522733  
Option 1 ID : 69135210929  
Option 2 ID : 69135210931  
Option 3 ID : 69135210932  
Option 4 ID : 69135210930  
Status : Answered  
Chosen Option : 1

Q.5 The atomic mass of aluminum is 27. The number of moles present in 81 grams of aluminum is \_\_\_\_\_.

7

- Ans
- 1. 4
  - 2. 5

- 3. 2
- 4. 3

Question ID : 6913522768  
Option 1 ID : 69135211072  
Option 2 ID : 69135211070  
Option 3 ID : 69135211069  
Option 4 ID : 69135211071  
Status : Answered  
Chosen Option : 4

Q.5  
8 What is the SI unit of speed?

- Ans
- 1. m/s
  - 2. km/h
  - 3. m/minute
  - 4. km/s

Question ID : 6913522757  
Option 1 ID : 69135211026  
Option 2 ID : 69135211028  
Option 3 ID : 69135211027  
Option 4 ID : 69135211025  
Status : Answered  
Chosen Option : 2

Q.6  
9 You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question:

How is Rajesh related to Vijay?

Statement:

I. Rajesh is the only son of Vijay's mother-in-law.

II. Veena is Rajesh's only sister.

- Ans
- 1. Data in I alone is sufficient
  - 2. Data in both I and II together are not sufficient
  - 3. Data either in I alone or II alone are sufficient
  - 4. Data in II alone is sufficient

Question ID : 6913522743  
Option 1 ID : 69135210969  
Option 2 ID : 69135210972  
Option 3 ID : 69135210971  
Option 4 ID : 69135210970  
Status : Answered  
Chosen Option : 1

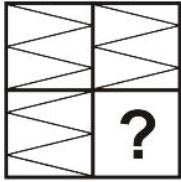
Q.6  
0 A girl saw a clock when it was 3 am. The clock loses 16 minutes per day. What will be the actual time when she sees the clock on the 4th day at 8 pm?

- Ans
- 1. 9:15 pm
  - 2. 9:00 pm
  - 3. 8:30 pm
  - 4. 9:30 pm

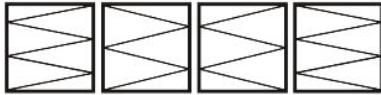
Question ID : 6913522720  
Option 1 ID : 69135210879  
Option 2 ID : 69135210878

Option 3 ID : 69135210877  
Option 4 ID : 69135210880  
Status : Answered  
Chosen Option : 2

Q.6  
1



Choose the correct picture that replaces the (?) symbol above with the below give options:



A B C D

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

Question ID : 6913522745  
Option 1 ID : 69135210977  
Option 2 ID : 69135210980  
Option 3 ID : 69135210979  
Option 4 ID : 69135210978  
Status : Answered  
Chosen Option : 3

Q.6  
2 An object moving with a uniform velocity of  $4\text{ms}^{-1}$  possesses kinetic energy of 120 J. Find the mass of the object.

- Ans
- 1. 15 N
  - 2. 15 W
  - 3. 15 Kg
  - 4. 15 Pa

Question ID : 6913522762  
Option 1 ID : 69135211046  
Option 2 ID : 69135211048  
Option 3 ID : 69135211045  
Option 4 ID : 69135211047  
Status : Answered  
Chosen Option : 3

Q.6  
3 Which of the following is not a noble gas?

- Ans
- 1. oganesson
  - 2. Argon
  - 3. Xenon
  - 4. Chlorine

Question ID : 6913522799  
Option 1 ID : 69135211193  
Option 2 ID : 69135211194  
Option 3 ID : 69135211195



Option 4 ID : 69135211196  
Status : Answered  
Chosen Option : 4

Q.6  
4 Who was conferred with the Best Director Award in the 64<sup>th</sup> National Film Awards?

- Ans
- 1. Rajesh Mapuskar
  - 2. Srijit Mukherji
  - 3. Anurag Basu
  - 4. Nitesh Tiwari

Question ID : 6913522784  
Option 1 ID : 69135211133  
Option 2 ID : 69135211136  
Option 3 ID : 69135211134  
Option 4 ID : 69135211135  
Status : Not Answered  
Chosen Option : --

Q.6  
5 Pointing to a man, Pankaj said, "He is the brother of my uncle's daughter". How is this man related to Pankaj?

- Ans
- 1. Nephew
  - 2. Cousin
  - 3. Uncle
  - 4. Son

Question ID : 6913522728  
Option 1 ID : 69135210912  
Option 2 ID : 69135210910  
Option 3 ID : 69135210911  
Option 4 ID : 69135210909  
Status : Answered  
Chosen Option : 2

Q.6  
6 If  $10\sec^2x - 9\tan^2x = 13$  and  $0^\circ \leq x < 90^\circ$ , then  $x =$  \_\_\_\_\_.

- Ans
- 1.  $30^\circ$
  - 2.  $45^\circ$
  - 3.  $60^\circ$
  - 4.  $90^\circ$

Question ID : 6913522724  
Option 1 ID : 69135210893  
Option 2 ID : 69135210895  
Option 3 ID : 69135210894  
Option 4 ID : 69135210896  
Status : Answered  
Chosen Option : 2

Q.6  
7 Which of the fractions given below is not equal to  $\frac{5}{9}$  ?

- Ans
- 1.  $\frac{105}{198}$
  - 2.  $\frac{80}{144}$

3.  $\frac{40}{72}$

4.  $\frac{25}{45}$

Question ID : 6913522701  
Option 1 ID : 69135210803  
Option 2 ID : 69135210804  
Option 3 ID : 69135210802  
Option 4 ID : 69135210801  
Status : Answered  
Chosen Option : 1

Q.6 20 men can finish a certain work in 10 days, where as it takes 12 women to finish it in 10 days. If 15 men and 6 women  
8 undertake to complete the work, how many days will they take to complete it?

- Ans  1. 8 days  
 2. 10 days  
 3. 6 days  
 4. 4 days

Question ID : 6913522713  
Option 1 ID : 69135210851  
Option 2 ID : 69135210852  
Option 3 ID : 69135210850  
Option 4 ID : 69135210849  
Status : Answered  
Chosen Option : 1

Q.6 When light travels from a denser medium to a rarer medium, what is the effect on its speed?  
9

- Ans  1. Increases  
 2. No change  
 3. Decreases  
 4. Decreases and then increases

Question ID : 6913522764  
Option 1 ID : 69135211054  
Option 2 ID : 69135211055  
Option 3 ID : 69135211053  
Option 4 ID : 69135211056  
Status : Answered  
Chosen Option : 1

Q.7 \_\_\_\_\_ is the state flower of Jharkhand.  
0

- Ans  1. Lotus  
 2. Rohira  
 3. Orchid  
 4. Palash

Question ID : 6913522797  
Option 1 ID : 69135211186  
Option 2 ID : 69135211188  
Option 3 ID : 69135211185  
Option 4 ID : 69135211187  
Status : Answered  
Chosen Option : 2

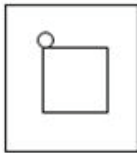
Q.7  
1 Find the missing letter in the series:

Y, W, U, S, ?, O

- Ans
- 1. N
  - 2. T
  - 3. R
  - 4. Q

Question ID : 6913522736  
Option 1 ID : 69135210943  
Option 2 ID : 69135210944  
Option 3 ID : 69135210942  
Option 4 ID : 69135210941  
Status : Answered  
Chosen Option : 4

Q.7  
2 Choose the correct mirror image for the following figure.



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 6913522749  
Option 1 ID : 69135210993  
Option 2 ID : 69135210996  
Option 3 ID : 69135210994  
Option 4 ID : 69135210995  
Status : Answered  
Chosen Option : 2

Q.7  
3 In which of the following phenomena can many plants be grown from one parent in disease-free conditions?

- Ans
- 1. Sexual reproduction
  - 2. Tissue culture

3. Spore formation

4. Regeneration

Question ID : 6913522780  
Option 1 ID : 69135211119  
Option 2 ID : 69135211118  
Option 3 ID : 69135211120  
Option 4 ID : 69135211117  
Status : Answered  
Chosen Option : 2

Q.7 4 Read the following statements and the conclusions that follow. Decide which of the two conclusions follow from the given statements.

Statements:

- All the cots are hotels.
- All hotels are sheets.

Conclusions:

1. Some cots are not sheets.
2. Some sheets are cots.

Ans  1. Both conclusions 1 and 2 follow

2. Only conclusion 2 follows

3. Either conclusion 1 or 2 follows

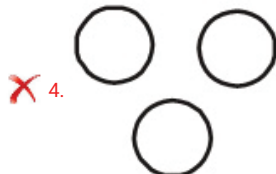
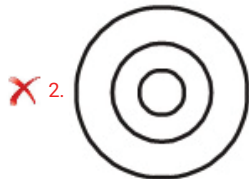
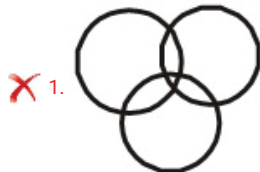
4. Only conclusion 1 follows

Question ID : 6913522731  
Option 1 ID : 69135210924  
Option 2 ID : 69135210922  
Option 3 ID : 69135210923  
Option 4 ID : 69135210921  
Status : Answered  
Chosen Option : 2

Q.7 5 Choose the best suitable Venn diagram for the following words:

Amphibians, Tortoise, Crocodile

Ans



Question ID : 6913522750  
Option 1 ID : 69135210998  
Option 2 ID : 69135211000  
Option 3 ID : 69135210997  
Option 4 ID : 69135210999  
Status : Answered  
Chosen Option : 3

Q.7  
6 Which mobile application has N. Chandrababu Naidu, the Andhra Pradesh Chief Minister, launched at the Collectors' Conference in Vijayawada?

- Ans
- 1. 'People First' mobile application
  - 2. 'People Safe' mobile application
  - 3. 'People Friend' mobile application
  - 4. 'People Help' mobile application

Question ID : 6913522792  
Option 1 ID : 69135211166  
Option 2 ID : 69135211168  
Option 3 ID : 69135211165  
Option 4 ID : 69135211167  
Status : Answered  
Chosen Option : 1

Q.7  
7 The \_\_\_\_\_ system transports fluids from one place to another.

- Ans
- 1. respiratory
  - 2. vascular
  - 3. nervous
  - 4. excretory

Question ID : 6913522778  
Option 1 ID : 69135211111  
Option 2 ID : 69135211109  
Option 3 ID : 69135211112  
Option 4 ID : 69135211110  
Status : Answered  
Chosen Option : 3

Q.7  
8 Which of the following tissues is composed of mainly dead cells?

- Ans
- 1. Parenchyma
  - 2. Collenchyma
  - 3. Aerenchyma
  - 4. Xylem

Question ID : 6913522777  
Option 1 ID : 69135211105  
Option 2 ID : 69135211106  
Option 3 ID : 69135211107  
Option 4 ID : 69135211108  
Status : Not Answered  
Chosen Option : --

Q.7  
9

Fill the missing number for the series from the given options:

8, 11, 16, 23, 32, ?

- Ans
- 1. 40
  - 2. 43
  - 3. 46
  - 4. 42

Question ID : 6913522739  
Option 1 ID : 69135210953  
Option 2 ID : 69135210955  
Option 3 ID : 69135210956  
Option 4 ID : 69135210954  
Status : Answered  
Chosen Option : 2

Q.8  
0 Who is the Chief Minister of Uttarakhand who was elected in 2017?

- Ans
- 1. Satpal Maharaj
  - 2. Harak Singh Rawat
  - 3. Trivendra Singh Rawat
  - 4. Prakash Pant

Question ID : 6913522790  
Option 1 ID : 69135211160  
Option 2 ID : 69135211158  
Option 3 ID : 69135211157  
Option 4 ID : 69135211159  
Status : Answered  
Chosen Option : 3

Q.8  
1 Aluminium metal is extracted only by:

- Ans
- 1. Electrolysis
  - 2. Calcination
  - 3. Reduction
  - 4. Oxidation

Question ID : 6913522772  
Option 1 ID : 69135211087  
Option 2 ID : 69135211088  
Option 3 ID : 69135211085  
Option 4 ID : 69135211086  
Status : Answered  
Chosen Option : 2

Q.8  
2 Halogens contains \_\_\_\_\_.

- Ans
- 1. 2 gases, two liquids and 1 solid
  - 2. 2 gases and 3 solids
  - 3. 2 gases, one liquid and 2 solids
  - 4. 3 gases and 3 solids

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



Question ID : 6913522775  
Option 1 ID : 69135211100  
Option 2 ID : 69135211097  
Option 3 ID : 69135211099  
Option 4 ID : 69135211098  
Status : Not Answered  
Chosen Option : --

Q.8 A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

3

**Statement:**

Should income tax be abolished in developed countries?

**Arguments:**

1. Yes, it will motivate to earn more.
2. No, people must learn to share their wealth for the betterment of other people.

- Ans
- 1. Either argument 1 or 2 is strong
  - 2. Only argument 1 is strong
  - 3. Neither argument 1 nor 2 is strong
  - 4. Only argument 2 is strong

Question ID : 6913522734  
Option 1 ID : 69135210935  
Option 2 ID : 69135210933  
Option 3 ID : 69135210936  
Option 4 ID : 69135210934  
Status : Answered  
Chosen Option : 4

Q.8 A solution contains 32 g of common salt in 320 g of water. Calculate the concentration in terms of mass by mass percentage of the solution.

4

- Ans
- 1. 9.09 %
  - 2. 13.05 %
  - 3. 9.09 g
  - 4. 8.84 %

Question ID : 6913522769  
Option 1 ID : 69135211075  
Option 2 ID : 69135211076  
Option 3 ID : 69135211074  
Option 4 ID : 69135211073  
Status : Not Answered  
Chosen Option : --

Q.8 In a diamond, each carbon atom is bonded to:

5

- Ans
- 1. two other carbon atoms
  - 2. three other carbon atoms
  - 3. four other carbon atoms
  - 4. five other carbon atoms

Question ID : 6913522773  
Option 1 ID : 69135211089  
Option 2 ID : 69135211090  
Option 3 ID : 69135211091  
Option 4 ID : 69135211092  
Status : Answered  
Chosen Option : 2

Q.8  
6 India's first bullet train is proposed to run between \_\_\_\_.

- Ans
- 1. Surat and Mumbai
  - 2. Ahmedabad and Mumbai
  - 3. Vadodara and Mumbai
  - 4. Vapi and Mumbai

Question ID : 6913522798  
Option 1 ID : 69135211191  
Option 2 ID : 69135211190  
Option 3 ID : 69135211189  
Option 4 ID : 69135211192  
Status : Not Answered  
Chosen Option : --

Q.8  
7 Amoeba, Paramecium and Bacteria undergo:

- Ans
- 1. sexual reproduction
  - 2. budding
  - 3. binary fission
  - 4. multiple fission

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

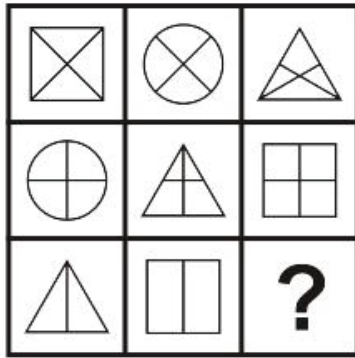
Question ID : 6913522779  
Option 1 ID : 69135211116  
Option 2 ID : 69135211115  
Option 3 ID : 69135211113  
Option 4 ID : 69135211114  
Status : Answered  
Chosen Option : 3

Q.8  
8 If  $x = a(\sin\theta + \cos\theta)$  and  $y = b(\sin\theta - \cos\theta)$  then  $(x^2/a^2) + (y^2/b^2) = ?$

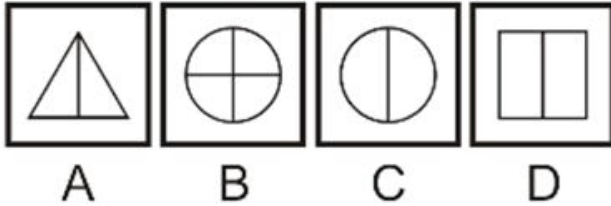
- Ans
- 1. 3
  - 2. 1
  - 3. 4
  - 4. 2

Question ID : 6913522721  
Option 1 ID : 69135210883  
Option 2 ID : 69135210881  
Option 3 ID : 69135210884  
Option 4 ID : 69135210882  
Status : Answered  
Chosen Option : 4

Q.8  
9



Choose the correct picture that fit the blank place



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

Question ID : 6913522748  
 Option 1 ID : 69135210992  
 Option 2 ID : 69135210991  
 Option 3 ID : 69135210989  
 Option 4 ID : 69135210990  
 Status : Answered  
 Chosen Option : 2

Q.9 The Asia-Africa-Europe (AAE-1) submarine cable system, the world's longest 100-Gbps submarine cable system was launched by \_\_\_\_\_.

- Ans
- 1. Bharti Airtel
  - 2. Reliance Jio
  - 3. Idea Cellular
  - 4. Vodafone

Question ID : 6913522800  
 Option 1 ID : 69135211198  
 Option 2 ID : 69135211197  
 Option 3 ID : 69135211199  
 Option 4 ID : 69135211200  
 Status : Answered  
 Chosen Option : 1

Q.9 Which one of the following is the equation for Position - Time relation?

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

Question ID : 6913522759  
Option 1 ID : 69135211035  
Option 2 ID : 69135211033  
Option 3 ID : 69135211036  
Option 4 ID : 69135211034  
Status : Answered  
Chosen Option : 1

Q.9  
2 In January 2018, who was appointed as the official brand ambassador of Sikkim?

- Ans  1. A. R. Rahman  
 2. Sania Mirza  
 3. Bhaichung Bhutia  
 4. Mary Kom

Question ID : 6913522788  
Option 1 ID : 69135211151  
Option 2 ID : 69135211152  
Option 3 ID : 69135211149  
Option 4 ID : 69135211150  
Status : Answered  
Chosen Option : 1

Q.9  
3 €1156 was divided between two people in the ratio 13 : 21. The one who got the larger share received € \_\_\_\_\_.

- Ans  1. 782  
 2. 714  
 3. 680  
 4. 748

Question ID : 6913522710  
Option 1 ID : 69135210840  
Option 2 ID : 69135210838  
Option 3 ID : 69135210839  
Option 4 ID : 69135210837  
Status : Answered  
Chosen Option : 2

Q.9  
4 Which country had hosted the FIFA under 19 world cup in the year 2017?

- Ans  1. India  
 2. England  
 3. Australia  
 4. Pakistan

Question ID : 6913522783  
Option 1 ID : 69135211131  
Option 2 ID : 69135211129  
Option 3 ID : 69135211132  
Option 4 ID : 69135211130  
Status : Answered  
Chosen Option : 1

Q.9  
5 Divide 1,380 among A, B and C, so that A gets 5 times of C and 3 times of B.

- Ans  1. A = 980 ; B = 300 ; C = 100  
 2. A = 880 ; B = 200 ; C = 300

✓ 3. A = 900 ; B = 300 ; C = 180

✗ 4. A = 800 ; B = 300 ; C = 280

Question ID : 6913522702  
Option 1 ID : 69135210808  
Option 2 ID : 69135210806  
Option 3 ID : 69135210807  
Option 4 ID : 69135210805  
Status : Answered  
Chosen Option : 3

Q.9 Which Indian city was included in the UNESCO Creative Cities Network in 2017 for its rich musical tradition?

6

Ans ✗ 1. Bengaluru

✓ 2. Chennai

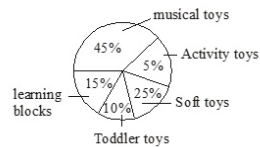
✗ 3. New Delhi

✗ 4. Lucknow

Question ID : 6913522786  
Option 1 ID : 69135211142  
Option 2 ID : 69135211141  
Option 3 ID : 69135211144  
Option 4 ID : 69135211143  
Status : Not Answered  
Chosen Option : --

Q.9 The following pie chart shows information on sales of a toy making company "XYZ" for 2017-18 financial year

7



The total revenue made by sales of the toys is ₹ 38,72,000/-

Which type of toys made least revenue for the company?

Ans ✗ 1. Musical toys

✓ 2. Activity toys

✗ 3. Learning blocks

✗ 4. Soft toys

Question ID : 6913522742  
Option 1 ID : 69135210967  
Option 2 ID : 69135210965  
Option 3 ID : 69135210968  
Option 4 ID : 69135210966  
Status : Answered  
Chosen Option : 2

Q.9 Which of the following has the highest value?

8

Ans ✓ 1. 10 power 11

✗ 2. 12 power 9

✗ 3. 5 power 5

✗ 4. 11 power 10

Question ID : 6913522708

Option 1 ID : 69135210830  
Option 2 ID : 69135210829  
Option 3 ID : 69135210832  
Option 4 ID : 69135210831  
Status : Answered  
Chosen Option : 2

Q.9 5% population of a town died of some epidemic and 8% of the remaining population left in panic. If the population of the town now is 88,274, find the population of the town at the beginning.

- Ans
- 1. 99,800
  - 2. 1,21,600
  - 3. 1,01,000
  - 4. 84,500

Question ID : 6913522717  
Option 1 ID : 69135210866  
Option 2 ID : 69135210867  
Option 3 ID : 69135210865  
Option 4 ID : 69135210868  
Status : Not Answered  
Chosen Option : --

Q.1 Who won the 2017 Discovery Education 3M Young Scientist Challenge for inventing a quick, low-cost test to detect lead-contaminated water?

- Ans
- 1. Koushik Chakraborty
  - 2. Divya Sharma
  - 3. Gitanjali Rao
  - 4. Shiv Prakash Singh

Question ID : 6913522789  
Option 1 ID : 69135211156  
Option 2 ID : 69135211153  
Option 3 ID : 69135211155  
Option 4 ID : 69135211154  
Status : Answered  
Chosen Option : 1

