



# RAILWAY RECRUITMENT BOARDS

## रेलवे भर्ती बोर्ड

### Level-1 Posts CEN-02/2018

Participant ID:	
Participants Name:	
Test Center Name:	XXXXXX
Test Date:	27/09/2018
Test Time:	4:00 PM - 5:30 PM
Subject:	Level 1

1. Options shown in green color with a tick icon are correct
2. Chosen option on top right of the question indicates the option selected by the candidate
3. The numbers indicated against the Question ID and Option ID are the numbers to be noted and used for raising objections

Q.1 Beijing, China will be the next host city for the Winter Olympic Games to be held in:

- Ans  1. 2020  
 2. 2018  
 3. 2024  
 4. 2022

Question ID : 6789131181

Option 1 ID : 6789134722

Option 2 ID : 6789134723

Option 3 ID : 6789134724

Option 4 ID : 6789134721

Status : Answered

Chosen Option : 4

Q.2 Two hemispheres of the same diameter as that of a cylinder are attached to the ends of a cylinder of diameter 7 cm and height 10 cm. Find the surface area of the solid.

- Ans  1. 374 sq cm  
 2. 594 sq cm  
 3. 1056 sq cm  
 4. 836 sq cm

Question ID : 6789131117

Option 1 ID : 6789134465

Option 2 ID : 6789134468

Option 3 ID : 6789134466

Option 4 ID : 6789134467

Status : Answered

Chosen Option : 1

Q.3

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

What is the code for 'here'?

**Statements:**

1. 'Come here' is coded as 'La pe'.
  2. 'Here it is' is coded as 'Pe aa li'
- Ans**  1. Neither statement 1 nor 2 is sufficient.  
 2. Statement 1 and 2 together are sufficient.  
 3. Statement 2 alone is sufficient.  
 4. Statement 1 alone is sufficient.

Question ID : **6789131142**

Option 1 ID : **6789134568**

Option 2 ID : **6789134565**

Option 3 ID : **6789134567**

Option 4 ID : **6789134566**

Status : **Answered**

Chosen Option : **2**

**Q.4** With which organisation has the NITI Aayog signed a Memorandum of Understanding on Sustainable Development

Goals (SDGs) and entered into a three-year partnership?

- Ans**  1. FICCI  
 2. QCI  
 3. ASSOCHAM  
 4. Confederation of Indian Industry

Question ID : **6789131199**

Option 1 ID : **6789134793**

Option 2 ID : **6789134796**

Option 3 ID : **6789134794**

Option 4 ID : **6789134795**

Status : **Not Answered**

Chosen Option : **--**

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

45, 48, 52, 55, \_\_\_\_\_

- Ans**  1. 59  
 2. 56  
 3. 57  
 4. 58

Question ID : **6789131138**

Option 1 ID : **6789134550**

Option 2 ID : **6789134549**

Option 3 ID : **6789134552**

Option 4 ID : **6789134551**

Status : **Answered**

Chosen Option : **1**

**Q.6** Select the term that is related to the third term in the same way that the second term relates to the first term.

Honey : Healthy :: Yoga :

- Ans  1. Fitness  
 2. Diet  
 3. Exercise  
 4. Meditation

Question ID : 6789131126

Option 1 ID : 6789134503

Option 2 ID : 6789134502

Option 3 ID : 6789134501

Option 4 ID : 6789134504

Status : Answered

Chosen Option : 1

**Q.7** India is the \_\_\_\_\_ largest country in terms of size.

- Ans  1. sixth  
 2. seventh  
 3. eighth  
 4. second

Question ID : 6789131197

Option 1 ID : 6789134786

Option 2 ID : 6789134785

Option 3 ID : 6789134787

Option 4 ID : 6789134788

Status : Answered

Chosen Option : 2

**Q.8**  $93 \div [-4^2 + (-5) \text{ of } \{27 \div (-18 \div -2)\}] = ?$

- Ans  1. -5  
 2. -3  
 3. 93  
 4. -93

Question ID : 6789131107

Option 1 ID : 6789134427

Option 2 ID : 6789134426

Option 3 ID : 6789134428

Option 4 ID : 6789134425

Status : Answered

Chosen Option : 2

**Q.9** The Goods & Services Tax (GST) was rolled out in India on:

- Ans  1. 26<sup>th</sup> January 2017  
 2. 15<sup>th</sup> August 2017  
 3. 1<sup>st</sup> July 2017

 4. 8<sup>th</sup> November 2016

Question ID : 6789131198  
 Option 1 ID : 6789134790  
 Option 2 ID : 6789134791  
 Option 3 ID : 6789134792  
 Option 4 ID : 6789134789  
 Status : Answered  
 Chosen Option : 3

Q.1 As of July 2018, who is the External Affairs Minister of India?  
 0

- Ans  1. Smriti Irani  
 2. P A Sangma  
 3. Shashi Tharoor  
 4. Sushma Swaraj

Question ID : 6789131191  
 Option 1 ID : 6789134764  
 Option 2 ID : 6789134763  
 Option 3 ID : 6789134761  
 Option 4 ID : 6789134762  
 Status : Answered  
 Chosen Option : 4

Q.1 An object travels 18m in 6s and then another 18m in 4s. What is the average speed of the object?  
 1

- Ans  1.  $3.1 \text{ ms}^{-1}$   
 2.  $2.6 \text{ ms}^{-1}$   
 3.  $2.1 \text{ ms}^{-1}$   
 4.  $3.6 \text{ ms}^{-1}$

Question ID : 6789131158  
 Option 1 ID : 6789134631  
 Option 2 ID : 6789134630  
 Option 3 ID : 6789134632  
 Option 4 ID : 6789134629  
 Status : Answered  
 Chosen Option : 4

Q.1 If ' $<$ ' is considered as ' $-$ ', ' $>$ ' is considered as ' $+$ ' and ' $\div$ ' is considered as ' $\times$ ', then what is the value of  
 2  $(15 < 12) \div 3$ ?

- Ans  1. 0  
 2. 6  
 3. 9  
 4. 1

Question ID : 6789131136  
 Option 1 ID : 6789134542  
 Option 2 ID : 6789134544  
 Option 3 ID : 6789134541

Option 4 ID : 6789134543

Status : Answered

Chosen Option : 3

**Q.1** \_\_\_\_\_ is/are radiation emitted by the sun and responsible for the cause of skin cancer.  
3

- Ans  1. Beta rays  
 2. Alpha rays  
 3. Gamma rays  
 4. Ultraviolet radiation

Question ID : 6789131165

Option 1 ID : 6789134660

Option 2 ID : 6789134659

Option 3 ID : 6789134657

Option 4 ID : 6789134658

Status : Answered

Chosen Option : 4

**Q.1** John introduces a lady to his friend saying she is his wife's father's second daughter. The lady is John's \_\_\_\_\_.  
4

- Ans  1. sister-in-law  
 2. friend  
 3. cousin  
 4. sister

Question ID : 6789131130

Option 1 ID : 6789134517

Option 2 ID : 6789134519

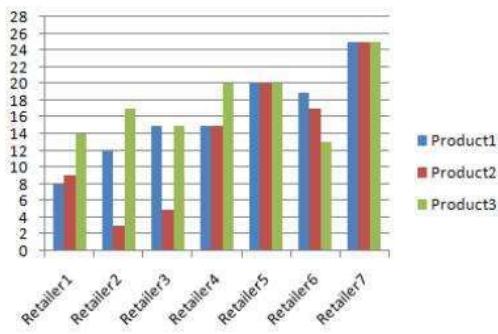
Option 3 ID : 6789134520

Option 4 ID : 6789134518

Status : Answered

Chosen Option : 1

**Q.1** As per the following chart, which retailer offers Product 2 in the price range of ₹ 16 to ₹ 18?  
5



Note: The X axis represents the retailers and Y axis indicates price in rupees.

- Ans  1. Retailer 1  
 2. Retailer 7

3. Retailer 6

4. Retailer 2

Question ID : 6789131140

Option 1 ID : 6789134560

Option 2 ID : 6789134557

Option 3 ID : 6789134558

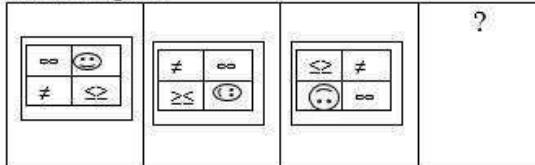
Option 4 ID : 6789134559

Status : Answered

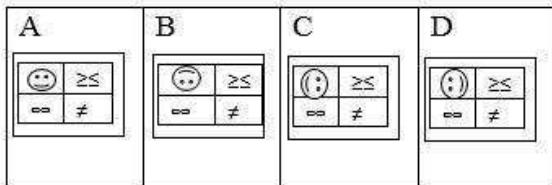
Chosen Option : 3

Q.1 Which of the option figures follows next in the series of Question figures?  
6

Question figures



Option Figures:



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

Question ID : 6789131148

Option 1 ID : 6789134589

Option 2 ID : 6789134591

Option 3 ID : 6789134592

Option 4 ID : 6789134590

Status : Answered

Chosen Option : 4

Q.1 Rani Lakshmibai was martyred on \_\_\_\_\_ 1858 while fighting the British.  
7

Ans 1. 7<sup>th</sup> of April  
2. 7<sup>th</sup> of May  
3. 7<sup>th</sup> of July  
4. 7<sup>th</sup> of June

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

Question ID : 6789131195

Option 1 ID : 6789134780

Option 2 ID : 6789134778

Option 3 ID : 6789134777

Option 4 ID : 6789134779

Status : Not Answered

Chosen Option : --

**Q.1** What day would it be on 1 October 2020?

**Ans**  1. Thursday

2. Friday

3. Tuesday

4. Wednesday

Question ID : 6789131118

Option 1 ID : 6789134471

Option 2 ID : 6789134472

Option 3 ID : 6789134469

Option 4 ID : 6789134470

Status : Not Answered

Chosen Option : --

**Q.1** 20% of a number, when added to 36% of another, gives 30% of the sum of the two numbers. The bigger number is 20

**9** more than the smaller one. Find the numbers.

**Ans**  1. 25, 45

2. 20, 40

3. 60, 80

4. 30, 50

Question ID : 6789131112

Option 1 ID : 6789134447

Option 2 ID : 6789134448

Option 3 ID : 6789134446

Option 4 ID : 6789134445

Status : Answered

Chosen Option : 4

**Q.2** \_\_\_\_\_ is the first woman lawyer from the country to be directly elected for the post of Judge of the Supreme Court.

**0**

**Ans**  1. Indu Malhotra

2. R Banumathi

3. Sujata V Manohar

4. Indira Banerjee

Question ID : 6789131187

Option 1 ID : 6789134745

Option 2 ID : 6789134747

Option 3 ID : 6789134748

Option 4 ID : 6789134746

Status : Answered

Chosen Option : 1

**Q.2**  ${}_1^2$  The maximum number of electrons in the third shell is \_\_\_\_\_.

Ans  1. 18

2. 8

3. 2

4. 32

Question ID : 6789131167

Option 1 ID : 6789134667

Option 2 ID : 6789134666

Option 3 ID : 6789134665

Option 4 ID : 6789134668

Status : Not Answered

Chosen Option : --

**Q.2**  ${}_2^2$  The square root of 2601 is:

Ans  1. 51

2. 41

3. 59

4. 49

Question ID : 6789131105

Option 1 ID : 6789134418

Option 2 ID : 6789134420

Option 3 ID : 6789134419

Option 4 ID : 6789134417

Status : Answered

Chosen Option : 1

**Q.2** In a code language, if NEAT is written as 145120, then what will TREAT be written as?

${}_3^3$

Ans  1. 20185120

2. 20195120

3. 20195121

4. 20185121

Question ID : 6789131131

Option 1 ID : 6789134521

Option 2 ID : 6789134523

Option 3 ID : 6789134524

Option 4 ID : 6789134522

Status : Answered

Chosen Option : 1

**Q.2**  ${}_4^4$   $(5(3((3-5)2+2)+4)-10) \frac{1}{2} = ?$

Ans  1. 12

2. -10

3. 9

4. 11

Question ID : 6789131108

Option 1 ID : 6789134432

Option 2 ID : 6789134430

Option 3 ID : 6789134429

Option 4 ID : 6789134431

Status : Answered

Chosen Option : 2

Q.2 Who is popularly known as the “Rocket Man” of India?

5 Ans 1. A.S. Kiran Kumar

2. Rakesh Sharma

3. Dr. K. Siran

4. Dr. A P J Abdul Kalam

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

Question ID : 6789131188

Option 1 ID : 6789134751

Option 2 ID : 6789134749

Option 3 ID : 6789134750

Option 4 ID : 6789134752

Status : Answered

Chosen Option : 4

Q.2 Select the number that will come next in the following series.

6

45, 54, 65, 78, \_\_\_\_\_

Ans  1. 94 2. 88 3. 93 4. 90

Question ID : 6789131139

Option 1 ID : 6789134556

Option 2 ID : 6789134553

Option 3 ID : 6789134554

Option 4 ID : 6789134555

Status : Answered

Chosen Option : 3

Q.2 The Rohingyas are an ethnic community belonging to which of the following countries?

7

Ans  1. Thailand 2. Bangladesh 3. Sri Lanka 4. Myanmar

Question ID : 6789131193

Option 1 ID : 6789134769

Option 2 ID : 6789134770

Option 3 ID : 6789134772

Option 4 ID : 6789134771

Status : Answered

Chosen Option : 4

**Q.2** The centre of reflecting surface of a spherical mirror is a point called the \_\_\_\_\_.

**Ans**  1. radius

2. pole

3. focus

4. principle axis

Question ID : 6789131163

Option 1 ID : 6789134651

Option 2 ID : 6789134649

Option 3 ID : 6789134650

Option 4 ID : 6789134652

Status : Not Answered

Chosen Option : --

**Q.2** The pH of \_\_\_\_\_ CANNOT be found directly using pH paper.

**Ans**  1. juice

2. water

3. ink

4. solid sodium bicarbonate

Question ID : 6789131171

Option 1 ID : 6789134681

Option 2 ID : 6789134683

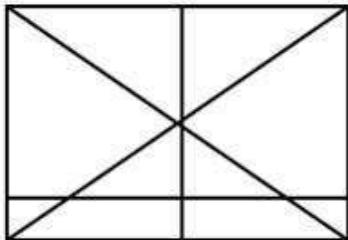
Option 3 ID : 6789134682

Option 4 ID : 6789134684

Status : Answered

Chosen Option : 4

**Q.3** How many triangles are there in this picture?



**Ans 1.** 12

2. 16

3. 14

4. 8

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

for all candidates.

Question ID : 6789131151

Option 1 ID : 6789134601

Option 2 ID : 6789134603

Option 3 ID : 6789134602

Option 4 ID : 6789134604

Status : Not Answered

Chosen Option : --

**Q.3** Consider the following statement and decide which of the conclusions logically follows from the statement.

1

**Statement:**

After watching a group musical performance, Satish commented, "Mrinal sang well."

**Conclusions:**

- I. Satish admires Mrinal's singing.
- II. All the other singers did not sing well.

**Ans**  1. Only conclusion II follows

2. Neither conclusion I nor II follows

3. Only conclusion I follows

4. Both the conclusions follow

Question ID : 6789131133

Option 1 ID : 6789134530

Option 2 ID : 6789134532

Option 3 ID : 6789134529

Option 4 ID : 6789134531

Status : Answered

Chosen Option : 3

**Q.3** X and Y go on a bike ride, starting early morning, facing Sun. They approach a cross road at a distance of 1 km. X takes

2 left turn and Y goes to the right. After travelling for 1 km, Y turns to his right and travels 3 km to reach a village. In which direction is the village with respect to Y's initial position?

**Ans**  1. North-east

2. South-east

3. North-west

4. South-west

Question ID : 6789131154

Option 1 ID : 6789134614

Option 2 ID : 6789134613

Option 3 ID : 6789134616

Option 4 ID : 6789134615

Status : Answered

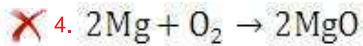
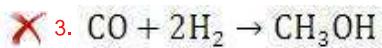
Chosen Option : 4

**Q.3** Which of the following equations represents a skeletal chemical equation?

3

**Ans**  1.  $Zn + H_2SO_4 \rightarrow ZnSO_4 + H_2$

2.  $Mg + O_2 \rightarrow MgO$



Question ID : 6789131170

Option 1 ID : 6789134677

Option 2 ID : 6789134678

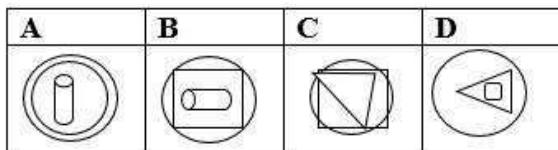
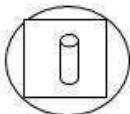
Option 3 ID : 6789134680

Option 4 ID : 6789134679

Status : Not Answered

Chosen Option : --

Q.3 Which of the given patterns most closely resembles the following figure?  
4



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

Question ID : 6789131145

Option 1 ID : 6789134578

Option 2 ID : 6789134577

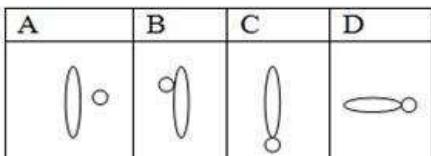
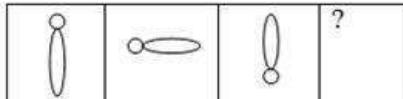
Option 3 ID : 6789134580

Option 4 ID : 6789134579

Status : Answered

Chosen Option : 1

Q.3 Select the option that can replace the question mark (?) in the following series.  
5



- Ans  1. D  
 2. B

3. C 4. A

Question ID : 6789131146

Option 1 ID : 6789134584

Option 2 ID : 6789134582

Option 3 ID : 6789134583

Option 4 ID : 6789134581

Status : Answered

Chosen Option : 1

**Q.3**  $\frac{6}{6}$  Five years ago, Rohit's age was  $\frac{2}{3}$  times that of Rohan's age. After 5 years, Rohan's age will be  $\frac{5}{4}$  times that of Rohit's age. What is Rohit's present age?

Ans  1. 10 years 2. 25 years 3. 20 years 4. 15 years

Question ID : 6789131119

Option 1 ID : 6789134473

Option 2 ID : 6789134476

Option 3 ID : 6789134475

Option 4 ID : 6789134474

Status : Not Answered

Chosen Option : --

**Q.3**  $\frac{7}{7}$  If  $A = (1, 1)$ ,  $B = (-2, 7)$  and  $C = (3, -3)$ , then  $\frac{1}{AB} + \frac{1}{BC} + \frac{1}{CA} = ?$

Ans  1.  $\frac{31}{150}$  2.  $\frac{150}{31}$  3.  $\frac{31}{60}\sqrt{5}$  4.  $\frac{31\sqrt{5}}{150}$ 

Question ID : 6789131125

Option 1 ID : 6789134497

Option 2 ID : 6789134500

Option 3 ID : 6789134499

Option 4 ID : 6789134498

Status : Not Answered

Chosen Option : --

**Q.3**  $\frac{8}{8}$  Which of the following does NOT belong to the group Monera?

Ans  1. Mycoplasma 2. Cyanobacteria 3. Bacteria

 4. Diatoms

Question ID : 6789131177

Option 1 ID : 6789134706

Option 2 ID : 6789134705

Option 3 ID : 6789134707

Option 4 ID : 6789134708

Status : Not Answered

Chosen Option : --

Q.3  $\frac{5}{9} \times 9 \div 14 - 2[\{5 \text{ of } 9 - 15 + (2 + (3 - 1))\}]$

Ans

 1.  $\frac{807}{14}$

 2.  $\frac{907}{14}$

 3.  $\frac{-807}{14}$

 4.  $\frac{-907}{14}$

Question ID : 6789131101

Option 1 ID : 6789134404

Option 2 ID : 6789134403

Option 3 ID : 6789134402

Option 4 ID : 6789134401

Status : Answered

Chosen Option : 4

Q.4 Who is the new director general of the Sports Authority of India as of 2018?  
0

Ans

 1. Thomas Abraham

 2. Neelam Kapoor

 3. Narendra Modi

 4. Injeti Srinivas

Question ID : 6789131189

Option 1 ID : 6789134755

Option 2 ID : 6789134754

Option 3 ID : 6789134756

Option 4 ID : 6789134753

Status : Not Answered

Chosen Option : --

Q.4 Consider the following statement and decide which of the following arguments is/are strong.  
1

**Statement:**

Should people stop expecting subsidy from government for household fuel?

**Arguments:**

- I. Yes, this will ensure availability at reasonable rates to all.
- II. No, why let go of a benefit?

Ans  1. Only argument II is strong

2. Only argument I is strong

3. Neither argument I nor II is strong

4. Both argument I and II are strong

Question ID : 6789131132

Option 1 ID : 6789134526

Option 2 ID : 6789134528

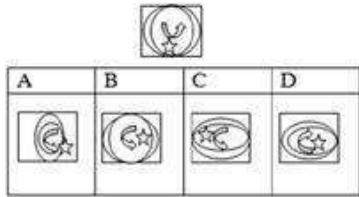
Option 3 ID : 6789134527

Option 4 ID : 6789134525

Status : Answered

Chosen Option : 3

Q.4 Which pattern closely resembles the pattern in the following figure?  
2



Ans  1. D

2. C

3. A

4. B

Question ID : 6789131147

Option 1 ID : 6789134588

Option 2 ID : 6789134587

Option 3 ID : 6789134585

Option 4 ID : 6789134586

Status : Answered

Chosen Option : 2

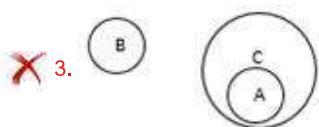
Q.4 Which of the following diagrams correctly represents the relationship between the given classes?  
3

A) Coat

B) Clock

C) Letter

Ans





X 4.

Question ID : 6789131150

Option 1 ID : 6789134597

Option 2 ID : 6789134598

Option 3 ID : 6789134599

Option 4 ID : 6789134600

Status : Answered

Chosen Option : 1

Q.4 If the density of water is  $10^3 \text{Kgm}^{-3}$  and the density of metal is  $8.5 \times 10^3 \text{Kgm}^{-3}$ , then the relative density of the metal

4 is \_\_\_\_\_.

- Ans X 1. 850  
✓ 2. 8.5  
 X 3. 0.85  
 X 4. 85

Question ID : 6789131160

Option 1 ID : 6789134640

Option 2 ID : 6789134638

Option 3 ID : 6789134639

Option 4 ID : 6789134637

Status : Answered

Chosen Option : 2

Q.4 5 What is the next term in the given series?

3FI, 6JM, 9NQ, \_\_\_\_\_

- Ans ✓ 1. 12RU  
 X 2. 8RS  
 X 3. 12PQ  
 X 4. 8RU

Question ID : 6789131137

Option 1 ID : 6789134545

Option 2 ID : 6789134546

Option 3 ID : 6789134548

Option 4 ID : 6789134547

Status : Answered

Chosen Option : 1

Q.4 6 Labour pain is caused by contractions in the walls of the \_\_\_\_\_.

- Ans ✓ 1. uterus  
 X 2. lower abdomen  
 X 3. ovary

 4. gene release

Question ID : 6789131180

Option 1 ID : 6789134718

Option 2 ID : 6789134719

Option 3 ID : 6789134717

Option 4 ID : 6789134720

Status : Not Answered

Chosen Option : --

- Q.4 The three sides of a triangle are 7 cm, 24 cm and 25 cm long. A smaller triangle is formed by joining the mid-points of  
 7 the sides of this triangle. The area of the smaller triangle is \_\_\_\_\_ cm<sup>2</sup>.

- Ans  1. 42  
 2. 21  
 3. 84  
 4. 63

Question ID : 6789131121

Option 1 ID : 6789134483

Option 2 ID : 6789134484

Option 3 ID : 6789134481

Option 4 ID : 6789134482

Status : Answered

Chosen Option : 1

- Q.4 The distance between two points is covered at a speed of 60 km/h on the way up and 40 km/h on the return journey. If  
 8 the total time taken is 5 hours, what is the one-way distance between the two points?

- Ans  1. 150 km  
 2. 135 km  
 3. 180 km  
 4. 120 km

Question ID : 6789131114

Option 1 ID : 6789134455

Option 2 ID : 6789134456

Option 3 ID : 6789134453

Option 4 ID : 6789134454

Status : Answered

Chosen Option : 4

- Q.4 Consider the given statement(s) and decide which of the given assumption(s) is/are implicit in the statement.  
 9

**Statement:**

"Why don't you visit the doctor at the earliest and get yourself checked" told Naina to her friend.

**Assumptions:**

- I. The health symptoms of Naina's friend needed attention.
- II. Doctor will be able to better judge about the illness.

- Ans  1. Neither I nor II is implicit.  
 2. Only I is implicit.  
 3. Both I and II are implicit.

4. Only II is implicit.

Question ID : 6789131134

Option 1 ID : 6789134535

Option 2 ID : 6789134533

Option 3 ID : 6789134536

Option 4 ID : 6789134534

Status : Answered

Chosen Option : 3

Q.5 An item bought for ₹ 2,375 was sold at a profit of 16%. What was the selling price of the item?

0

- Ans  1. ₹ 2,770  
 2. ₹ 2,730  
 3. ₹ 2,750  
 4. ₹ 2,755

Question ID : 6789131110

Option 1 ID : 6789134438

Option 2 ID : 6789134440

Option 3 ID : 6789134437

Option 4 ID : 6789134439

Status : Answered

Chosen Option : 4

Q.5 In \_\_\_\_\_, a major upheaval took place that shook the foundation of British Rule and is often referred to as the 'First

1 War of Independence'.

- Ans  1. 1875  
 2. 1947  
 3. 1857  
 4. 1856

Question ID : 6789131194

Option 1 ID : 6789134774

Option 2 ID : 6789134775

Option 3 ID : 6789134776

Option 4 ID : 6789134773

Status : Answered

Chosen Option : 3

Q.5 2 What is the horizontal mirror image of SPICE?

SPICE	SPICE	SPICE	SPICE
A	B	C	D

- Ans  1. B  
 2. D

-  3. A  
 4. C

Question ID : 6789131155

Option 1 ID : 6789134618

Option 2 ID : 6789134620

Option 3 ID : 6789134617

Option 4 ID : 6789134619

Status : Answered

Chosen Option : 4

**Q.5** Consider the following statement and the assumptions that follow. Decide which of the assumptions is implicit from the

3 statement.

**Statement:**

"If you find any problem with this medicine, you can visit me again in a week." - Doctor to a patient.

**Assumption:**

- I) The doctor prescribed some medicine  
 II) The doctor is very cooperative in providing appointment.

Ans  1. Either assumption I or II is implicit 2. Only assumption I is implicit 3. Only assumption II is implicit 4. Both assumptions I and II are implicit

Question ID : 6789131129

Option 1 ID : 6789134515

Option 2 ID : 6789134513

Option 3 ID : 6789134514

Option 4 ID : 6789134516

Status : Answered

Chosen Option : 1

**Q.5** A pipe, working at full speed, can fill an empty cistern in 2 hours. However, during the first two

4 hours it worked at one-twelfth of its capacity, during the next two hours at one-ninth of its capacity, during the third two hours at one-sixth of its usual capacity, during the fourth two hours at one-fourth of its usual capacity and during the fifth two hours it was only one-third as efficient as it was supposed to be. A second pipe also displayed similar performance, but if it worked at full speed it would have filled the empty cistern in 4 hours. Together with a drain pipe that drained water out of the tank at a constant rate, the empty cistern could be filled in 10 hours, all the three pipes working concurrently. How many hours will it take the drain pipe to empty the filled cistern if no other pipe was functioning during the time?

Ans  1. 20 2. 30 3. 32 4. 24

Question ID : 6789131120

Option 1 ID : 6789134477

Option 2 ID : 6789134479

Option 3 ID : 6789134480

Option 4 ID : 6789134478

Status : Not Answered

Chosen Option : --

**Q.5** 5 What is the value of:  $\frac{1}{(1+\cot^2 \alpha)} + \frac{2 \tan^2 \alpha}{(1+\tan^2 \alpha)} + \frac{1}{(1+\tan^2 \alpha)^2}$

Ans  1. 2

2. 1

3. -1

4. 0

Question ID : 6789131123

Option 1 ID : 6789134492

Option 2 ID : 6789134491

Option 3 ID : 6789134489

Option 4 ID : 6789134490

Status : Not Answered

Chosen Option : --

**Q.5** 6 The Union Government has set up \_\_\_\_\_ to provide credible data for employment policies.

Ans  1. Employment Committee (EMCO)

2. Arvind Panagariya Committee

3. Aagey Badho Bharat

4. Sarva Naukri Abhiyan

Question ID : 6789131190

Option 1 ID : 6789134760

Option 2 ID : 6789134758

Option 3 ID : 6789134759

Option 4 ID : 6789134757

Status : Not Answered

Chosen Option : --

**Q.5** 7 Atomic number of N is 7, then the atomic number of the third element of the nitrogen family is:

Ans  1. 35

2. 25

3. 13

4. 33

Question ID : 6789131168

Option 1 ID : 6789134672

Option 2 ID : 6789134670

Option 3 ID : 6789134669

Option 4 ID : 6789134671

Status : Not Answered

Chosen Option : --

**Q.5** 8 The largest corpuscles in human blood are the \_\_\_\_.

Ans  1. erythrocytes

2. basophils

3. monocytes

4. lymphocytes

Question ID : 6789131176

Option 1 ID : 6789134701

Option 2 ID : 6789134704

Option 3 ID : 6789134703

Option 4 ID : 6789134702

Status : Not Answered

Chosen Option : --

Q.5  $\frac{9}{9} 0.098 + 0.98 + 9.8 + 98 = ?$

Ans 1. 108.428

2. 108.878

3. 108.378

4. 108.338

Question ID : 6789131104

Option 1 ID : 6789134416

Option 2 ID : 6789134413

Option 3 ID : 6789134415

Option 4 ID : 6789134414

Status : Answered

Chosen Option : 2

Q.6  $\frac{0}{0}$  \_\_\_\_\_ moles are present in 52 kg of He.

Ans 1. 13

2. 11

3. 12

4. 14

Question ID : 6789131169

Option 1 ID : 6789134675

Option 2 ID : 6789134673

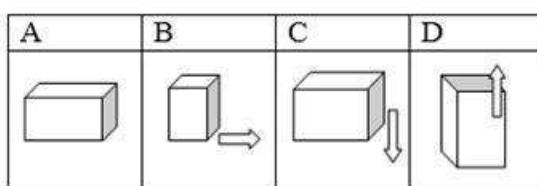
Option 3 ID : 6789134674

Option 4 ID : 6789134676

Status : Not Answered

Chosen Option : --

Q.6  $\frac{1}{1}$  Which of the options bears the closest resemblance to the following figure?



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

Question ID : 6789131149

Option 1 ID : 6789134594

Option 2 ID : 6789134596

Option 3 ID : 6789134595

Option 4 ID : 6789134593

Status : Answered

Chosen Option : 2

- Q.6** Anuj invested some money in a scheme at simple interest rate of 12% per annum for 3 years. Also, he invested thrice  
**2** the amount in another scheme for 2 years. If he earned the same simple interest from both the schemes, then what is the simple interest rate of the second scheme?

- Ans  1. 6% per annum  
 2. 18% per annum  
 3. 12% per annum  
 4. 9% per annum

Question ID : 6789131109

Option 1 ID : 6789134436

Option 2 ID : 6789134434

Option 3 ID : 6789134435

Option 4 ID : 6789134433

Status : Answered

Chosen Option : 1

- Q.6** Which of the options will replace the question mark?  
**3**

(®)	E	E	&	&	*	?	
*	&	(®)	*	E	(®)		

A	B	C	D
(®) *	& E	* (®)	(®) E
E &	* (®)	& E	* &

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

Question ID : 6789131144

Option 1 ID : 6789134575

Option 2 ID : 6789134576

Option 3 ID : 6789134574

Option 4 ID : 6789134573

Status : Answered

Chosen Option : 1

**Q.6** \_\_\_\_\_ became the first player in the history of women's ODI cricket to have crossed 6000 career runs.

4

- Ans  1. Deepti Sharma  
 2. Mithali Raj  
 3. Poonam Raut  
 4. Jhulan Goswami

Question ID : 6789131182

Option 1 ID : 6789134725

Option 2 ID : 6789134727

Option 3 ID : 6789134726

Option 4 ID : 6789134728

Status : Answered

Chosen Option : 2

**Q.6** If a constant force applied on an object is given as the product of force and distance moved by the object in the direction

5 of force, then it is termed as:

- Ans  1. Work done  
 2. Acceleration  
 3. Impulse  
 4. Retardation

Question ID : 6789131162

Option 1 ID : 6789134648

Option 2 ID : 6789134647

Option 3 ID : 6789134645

Option 4 ID : 6789134646

Status : Answered

Chosen Option : 1

**Q.6** Madhavi points to a picture and says, "This is my mother's only daughter's son." How is the person in the picture

6 related to Madhavi?

- Ans  1. Cousin  
 2. Daughter  
 3. Brother  
 4. Son

Question ID : 6789131127

Option 1 ID : 6789134507

Option 2 ID : 6789134505

Option 3 ID : 6789134508

Option 4 ID : 6789134506

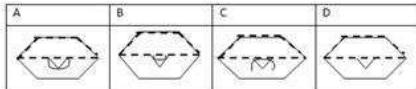
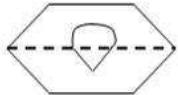
Status : Answered

Chosen Option : 4

**Q.6**

7

Which pattern will the given transparent sheet resemble when it is folded at the dotted line?



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

Question ID : 6789131153

Option 1 ID : 6789134611

Option 2 ID : 6789134610

Option 3 ID : 6789134609

Option 4 ID : 6789134612

Status : Answered

Chosen Option : 2

Q.6 Train A, 120 m long, is running at a velocity 20 m/s and Train B 130 m long is running in the opposite direction at a  
<sub>8</sub> velocity 30 m/s. The time taken by Train B to cross Train A is \_\_\_\_\_.  
<sub>9</sub>

- Ans  1. 25 s  
 2. 50 s  
 3. 10 s  
 4. 5 s

Question ID : 6789131159

Option 1 ID : 6789134634

Option 2 ID : 6789134633

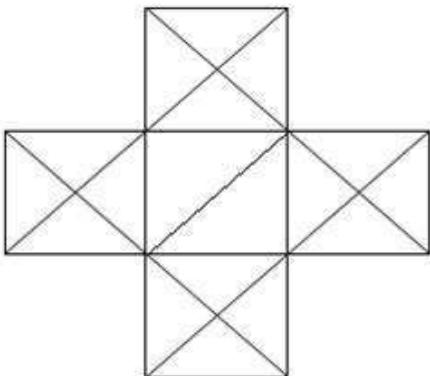
Option 3 ID : 6789134636

Option 4 ID : 6789134635

Status : Answered

Chosen Option : 4

Q.6 How many triangles are there in the following figure?  
<sub>9</sub>



Ans 1. 32

2. 42

3. 48

4. 30

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

Question ID : 6789131152

Option 1 ID : 6789134607

Option 2 ID : 6789134605

Option 3 ID : 6789134606

Option 4 ID : 6789134608

Status : Answered

Chosen Option : 2

**Q.7** Two inlet pipes, one twice as efficient as the other, alongside an outlet pipe that can drain the filled cistern empty in 12.5

0 hours, can fill the empty cistern in 2.5 hours when working together. How many hours will the less efficient inlet pipe take to fill the empty cistern?

Ans  1. 5 2. 7.5 3. 8.75 4. 6.25

Question ID : 6789131116

Option 1 ID : 6789134464

Option 2 ID : 6789134462

Option 3 ID : 6789134461

Option 4 ID : 6789134463

Status : Not Answered

Chosen Option : --

**Q.7** Given is a question followed by two arguments. Decide which of the arguments is/are strong with respect to the

1 question.

Should children be taught music at an early age?

**Arguments:**

- I. Yes, it improves both the hemispheres of the brain and their memory improves.
- II. No, children should be taught what they like to do. Not all would be interested in music.

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

Question ID : 6789131135

Option 1 ID : 6789134537

Option 2 ID : 6789134540

Option 3 ID : 6789134539

Option 4 ID : 6789134538

Status : Answered

Chosen Option : 4

**Q.7** A natural number when divided by 4, 5, 6 or 7 leaves a remainder of 1 in each case. What is the smallest of all such

2 numbers?

- Ans  1. 61  
 2. 841  
 3. 421  
 4. 211

Question ID : 6789131106

Option 1 ID : 6789134424

Option 2 ID : 6789134421

Option 3 ID : 6789134422

Option 4 ID : 6789134423

Status : Answered

Chosen Option : 3

**Q.7** An object travel 14 m in 4 s and then another 16 m in 2 s. What is the average speed of the object?

3

- Ans  1.  $5.0 \text{ ms}^{-1}$   
 2.  $5.0 \text{ s}^{-1}$   
 3.  $6.17 \text{ ms}^{-1}$   
 4.  $5.0 \text{ m}$

Question ID : 6789131157

Option 1 ID : 6789134626

Option 2 ID : 6789134627

Option 3 ID : 6789134628

Option 4 ID : 6789134625

Status : Answered

Chosen Option : 3

**Q.7** Study the following question and statements, and decide which of the statements is/are sufficient to answer the question.

4

In a box, there are bags of 3 different sizes. How many bags are there in the box?

**Statements:**

- 1) Half of all the bags are of medium size
- 2) There are 4 small bags
- 3) The larger bags are twice the size of the smaller bags

- Ans  1. All statements together are not sufficient  
 2. Statements 1, 3 are sufficient  
 3. Statements 1, 2 and 3 are sufficient  
 4. Statements 1, 2 are sufficient

Question ID : 6789131143

Option 1 ID : 6789134572

Option 2 ID : 6789134570

Option 3 ID : 6789134569

Option 4 ID : 6789134571

Status : Answered

Chosen Option : 3

**Q.7** A voltmeter is used to measure \_\_\_\_\_.

Ans

- 1. air resistance
- 2. potential difference
- 3. magnetic induction
- 4. electric current

Question ID : 6789131166

Option 1 ID : 6789134664

Option 2 ID : 6789134663

Option 3 ID : 6789134661

Option 4 ID : 6789134662

Status : Answered

Chosen Option : 2

**Q.7** The percentage of lead in lead pencil is \_\_\_\_\_.

Ans

- 1. 50
- 2. 0
- 3. 100
- 4. 70

Question ID : 6789131173

Option 1 ID : 6789134692

Option 2 ID : 6789134691

Option 3 ID : 6789134689

Option 4 ID : 6789134690

Status : Answered

Chosen Option : 4

**Q.7** Suppose the cost of shoes is 20% more than that of floaters and the cost of floaters is 10% more than that of slippers.

7 What is the cost of the shoes if all of them were purchased at the cost of ₹ 3420?

Ans

- 1. ₹ 1100
- 2. ₹ 1000
- 3. ₹ 1320
- 4. ₹ 1230

Question ID : 6789131111

Option 1 ID : 6789134441

Option 2 ID : 6789134442

Option 3 ID : 6789134443

Option 4 ID : 6789134444

Status : Answered

Chosen Option : 3

**Q.7** An object travels 16 m in 4 s and then other 15 m in 2 s. What is the average speed of the object?

8

Ans

- 1. 5.17 m
- 2. 5.17 ms<sup>-1</sup>
- 3. 6.17 ms<sup>-1</sup>

 4.  $5.17 \text{ s}^{-1}$

Question ID : 6789131156

Option 1 ID : 6789134621

Option 2 ID : 6789134622

Option 3 ID : 6789134624

Option 4 ID : 6789134623

Status : Answered

Chosen Option : 2

Q.7 Rahman takes 10 hours to walk to a certain place and ride back. However, he could have saved 5 hrs if he had covered 9 both ways by riding. How long would he take to walk both ways?

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

Question ID : 6789131115

Option 1 ID : 6789134458

Option 2 ID : 6789134457

Option 3 ID : 6789134459

Option 4 ID : 6789134460

Status : Answered

Chosen Option : 3

Q.8 \_\_\_\_\_ is by far the largest city of Rajasthan.

- Ans  1. Bikaner  
 2. Jaipur  
 3. Jaisalmer  
 4. Kota

Question ID : 6789131196

Option 1 ID : 6789134781

Option 2 ID : 6789134782

Option 3 ID : 6789134783

Option 4 ID : 6789134784

Status : Not Answered

Chosen Option : --

Q.8 \_\_\_\_\_ metal melts on our palm.

- Ans  1. Aluminium  
 2. Gallium  
 3. Potassium  
 4. Magnesium

Question ID : 6789131161

Option 1 ID : 6789134641

Option 2 ID : 6789134643

Option 3 ID : 6789134644

Option 4 ID : 6789134642

Status : Not Answered

Chosen Option : --

**Q.8** <sup>2</sup> \_\_\_\_\_ won the award in the Non-Feature Film Category at the 64<sup>th</sup> National Film Awards 2016.

- Ans  1. Fireflies in the Sky  
 2. School  
 3. Firefly  
 4. Fireflies in the Abyss

Question ID : 6789131184

Option 1 ID : 6789134733

Option 2 ID : 6789134735

Option 3 ID : 6789134734

Option 4 ID : 6789134736

Status : Not Answered

Chosen Option : --

**Q.8** <sup>3</sup> The atomic number of an element is 13. How many shells are present in this element?

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

Question ID : 6789131175

Option 1 ID : 6789134698

Option 2 ID : 6789134699

Option 3 ID : 6789134700

Option 4 ID : 6789134697

Status : Not Answered

Chosen Option : --

**Q.8** <sup>4</sup>  $2\frac{1}{25} = ?$

- Ans  1. 2.004  
 2. 2.04  
 3. 2.4  
 4. 0.24

Question ID : 6789131102

Option 1 ID : 6789134407

Option 2 ID : 6789134406

Option 3 ID : 6789134405

Option 4 ID : 6789134408

Status : Answered

Chosen Option : 2

**Q.8** <sup>5</sup> If the temperature increases, the speed of sound:

- Ans  1. increase

- 2. decreases
- 3. becomes zero
- 4. becomes infinity

Question ID : 6789131164

Option 1 ID : 6789134654

Option 2 ID : 6789134653

Option 3 ID : 6789134655

Option 4 ID : 6789134656

Status : Not Answered

Chosen Option : --

Q.8 Ankith takes as long as Balaji and Chandu together take to finish a task. Ankith and Balaji working together finish the

6 task in 10 days. Chandu alone can do the same task in 15 days. In how many days can Balaji alone complete the same task?

- Ans
- 1. 100 days
  - 2. 50 days
  - 3. 80 days
  - 4. 60 days

Question ID : 6789131113

Option 1 ID : 6789134452

Option 2 ID : 6789134449

Option 3 ID : 6789134451

Option 4 ID : 6789134450

Status : Answered

Chosen Option : 4

Q.8 \_\_\_\_\_ compound has a ring-carbon chain structure.

7

- Ans
- 1. Methane
  - 2. Propene
  - 3. Butene
  - 4. Benzene

Question ID : 6789131172

Option 1 ID : 6789134685

Option 2 ID : 6789134687

Option 3 ID : 6789134688

Option 4 ID : 6789134686

Status : Answered

Chosen Option : 4

Q.8 The character which predominates and is clearly seen in F1 generation is \_\_\_\_\_.

8

- Ans
- 1. recessive
  - 2. dominant
  - 3. all of these
  - 4. inherited

Question ID : 6789131179

Option 1 ID : 6789134713

Option 2 ID : 6789134714

Option 3 ID : 6789134716

Option 4 ID : 6789134715

Status : Not Answered

Chosen Option : --

**Q.8** A small-scale business has the following expenses: 25% on procurement, 25% on employees' salary and another 50%

9 on maintenance. If the business pays a total salary of ₹ 2,00,000 then what is its expense on maintenance?

Ans  1. ₹ 2,50,000 2. ₹ 3,00,000 3. ₹ 4,00,000 4. ₹ 2,00,000

Question ID : 6789131141

Option 1 ID : 6789134563

Option 2 ID : 6789134564

Option 3 ID : 6789134562

Option 4 ID : 6789134561

Status : Not Answered

Chosen Option : --

**Q.9**  $\theta$  If  $\sin\theta = \frac{3}{4}$ , what is value of  $16\cos^2\theta + \tan^2\theta$ ?Ans  1.  $\frac{60}{7}$  2.  $\frac{55}{7}$  3.  $\frac{62}{7}$  4.  $\frac{58}{7}$ 

Question ID : 6789131122

Option 1 ID : 6789134487

Option 2 ID : 6789134485

Option 3 ID : 6789134488

Option 4 ID : 6789134486

Status : Not Answered

Chosen Option : --

**Q.9**  $1$  Which of the following ancient treatise is also known as 'the fifth veda'?Ans  1. Mahabharata 2. Ramayana 3. Bhagavad-Gita 4. Shivapurana

Question ID : 6789131186

Option 1 ID : 6789134741

Option 2 ID : 6789134742

Option 3 ID : 6789134743

Option 4 ID : 6789134744

Status : Answered

Chosen Option : 3

**Q.9** Three tankers hold 78 litres, 117 litres and 195 litres of water respectively. Find the maximum capacity of a container

2 that can measure the water of the three tankers exact number of times.

Ans  1. 32 litres

2. 39 litres

3. 36 litres

4. 33 litres

Question ID : 6789131103

Option 1 ID : 6789134412

Option 2 ID : 6789134409

Option 3 ID : 6789134410

Option 4 ID : 6789134411

Status : Answered

Chosen Option : 2

**Q.9** \_\_\_\_\_ was the first Indian woman to win the Wimbledon doubles title.

3 \_\_\_\_\_

Ans  1. Nirupama Sanjeev

2. Tara Iyer

3. Sania Mirza

4. Rutuja Bhosle

Question ID : 6789131183

Option 1 ID : 6789134730

Option 2 ID : 6789134731

Option 3 ID : 6789134729

Option 4 ID : 6789134732

Status : Not Answered

Chosen Option : --

**Q.9**  $4$  If  $\tan^4 \theta + \tan^2 \theta = 11$ , then  $\sec^4 \theta - \sec^2 \theta = ?$

Ans  1. 11

2. 13

3. 10

4. 12

Question ID : 6789131124

Option 1 ID : 6789134494

Option 2 ID : 6789134496

Option 3 ID : 6789134493

Option 4 ID : 6789134495

Status : Answered

Chosen Option : 1

**Q.9** \_\_\_\_\_ became the first metro city in India to get a floating market.

5

Ans

- 1. Jamshedpur
- 2. Bhubaneshwar
- 3. Delhi
- 4. Kolkata

Question ID : 6789131200

Option 1 ID : 6789134800

Option 2 ID : 6789134797

Option 3 ID : 6789134799

Option 4 ID : 6789134798

Status : Answered

Chosen Option : 4

Q.9 6 What is the total resistance of three  $20\text{-}\Omega$  coils connected in series?

- Ans
- 1.  $60\ \Omega$
  - 2.  $40\ \Omega$
  - 3.  $20\ \Omega$
  - 4.  $800\ \Omega$

Question ID : 6789131174

Option 1 ID : 6789134695

Option 2 ID : 6789134694

Option 3 ID : 6789134693

Option 4 ID : 6789134696

Status : Not Answered

Chosen Option : --

Q.9 7 Who among the following is the author of the book 'Indira Gandhi – A Life in Nature'?

- Ans
- 1. Natwar Singh
  - 2. Sonia Gandhi
  - 3. Jairam Ramesh
  - 4. Priyanka Vadra

Question ID : 6789131185

Option 1 ID : 6789134737

Option 2 ID : 6789134739

Option 3 ID : 6789134740

Option 4 ID : 6789134738

Status : Answered

Chosen Option : 3

Q.9

8

Consider the following statement and decide which of the arguments is/are strong.

**Statement:**

It is good to buy a five-star rated air conditioner

**Arguments:**

- I. Yes, it helps save power.
  - II. No, it is costly.
- Ans  1. Only argument 1 is strong  
 2. Either argument I or II is strong  
 3. Only argument 2 is strong  
 4. Both arguments I and II are strong

Question ID : 6789131128

Option 1 ID : 6789134509

Option 2 ID : 6789134511

Option 3 ID : 6789134510

Option 4 ID : 6789134512

Status : Answered

Chosen Option : 1

Q.9 In human beings, the respiratory pigment is \_\_\_\_\_.

- Ans  1. melanin  
 2. eumelanin  
 3. hemoglobin  
 4. pheomelanin

Question ID : 6789131178

Option 1 ID : 6789134709

Option 2 ID : 6789134711

Option 3 ID : 6789134710

Option 4 ID : 6789134712

Status : Not Answered

Chosen Option : --

Q.1 In 2017, which state government launched the 'Vision-2025' project to seek public opinion for their dream state?

00

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

Question ID : 6789131192

Option 1 ID : 6789134766

Option 2 ID : 6789134767

Option 3 ID : 6789134765

Option 4 ID : 6789134768

Status : **Not Answered**

Chosen Option : --