



# Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2021-08-24 in the Afternoon exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

## Ssc Cgl Tier I Previous Year Question Paper : Questions and Solutions

### Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

### Question 1 :

In a certain code language, 'ONE' is coded as '15-28-15' and 'TWO' is coded as '20-46-45'. How will 'SIX' be coded in that language?

Difficulty : Moderate

Average Time : 71 Seconds

### Options :

1. 19-18-72
2. 38-18-48
3. 38-9-72
4. 19-9-24

### Solution :

The correct answer is **option 1** i.e. **19-18-72**.

The logic used here is:

'ONE' is coded as '15-28-15'



$$O = 15 \times 1 = 15$$

$$N = 14 \times 2 = 28$$

$$E = 5 \times 3 = 15$$

'TWO' is coded as '20-46-45'

$$T = 20 \times 1 = 20$$

$$W = 23 \times 2 = 46$$

$$O = 15 \times 3 = 45$$

Similarly,

Code for the word SIX:

$$S = 19 \times 1 = 19$$

$$I = 9 \times 2 = 18$$

$$X = 24 \times 3 = 72$$

Hence, **option 1** is the correct answer.

### Question 2 :

Total surface area of cylinder is 704 cm<sup>2</sup> and ratio of height and base radius of the cylinder is 3 : 4, then what will be the volume of that cylinder?

Difficulty : Moderate

Average Time : 61 Seconds

### Options :

1. 384 cm<sup>3</sup>
2. 243 cm<sup>3</sup>
3. 518 cm<sup>3</sup>
4. 423 cm<sup>3</sup>

### Solution :

The correct answer is **option 1** i.e. 384 cm<sup>3</sup>

Let height and base radius of the cylinder is 3x and 4x respectively.

Total surface area of the cylinder =  $2r(h + r)$

$$704 = 2 \times (22/7) \times 4x \times (3x + 4x)$$

$$704 = 176x/7 \times (3x + 4x)$$

$$704 = 176x^2$$

$$x^2 = 4$$

$$x = 2$$

$$\text{Base radius} = 4x = 8 \text{ cm}$$

$$\text{Height} = 3x = 6 \text{ cm}$$

$$\text{Volume of the cylinder} = r^2h = \pi \times 64 \times 6 = 384 \text{ cm}^3$$

### Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

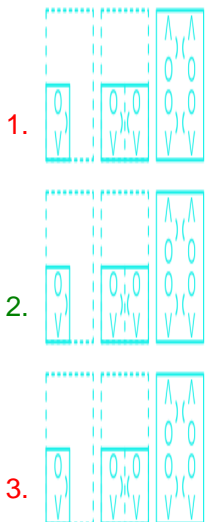
### Question 3 :

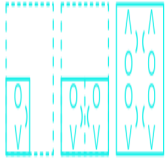
Select the figures that will replace the question mark (?) in the following figures series.

Difficulty : Moderate

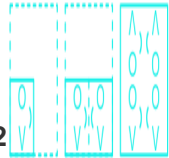
Average Time : 88 Seconds

### Options :





**Solution :**

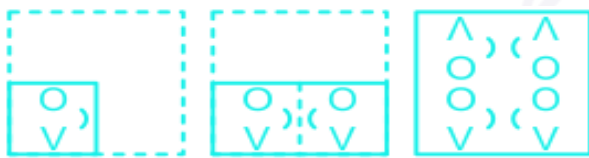


The correct answer is **option 2**.

The logic used here is:

1. The line with non-shaded circle moves by 135 degrees in the clockwise direction.
2. The line with the shaded circle moves by 135 degrees in the anti-clockwise direction.

The series of figures:



**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 4 :**

Select the correct combination of mathematical signs that can sequentially replace the \* signs and make the equation correct.  $135 * 15 * 3 * 2 * 13 * 16$

**Difficulty :** Moderate

**Average Time :** 97 Seconds

**Options :**

1.  $\times, +, =, \div,$
2.  $=, \times, +, \div,$
3.  $+, \div, , =, \times$

$\div, \times, +, , =$

**Solution :**

The correct answer is **option 4** i.e.  $\div, \times, +, , =$ .

**Given equation:**  $135 \times 15 \div 3 + 2 \times 13 - 16$

Let us check all the options:

**Option 1:**  $\times, +, =, \div,$

The expression becomes:

$$= 135 \times 15 + 3 = 2 \div 13 - 16$$

= 2028 is not equal to -15.84.

**Option 2:**  $=, \times, +, \div,$

$$= 135 = 15 \times 3 + 2 \div 13 - 16$$

= 135 is not equal to 29.15.

**Option 3:**  $+, \div, , =, \times$

$$= 135 + 15 \div 3 - 2 = 13 \times 16$$

= 138 is not equal to 208.

**Option 4:**  $\div, \times, +, , =$

$$= 135 \div 15 \times 3 + 2 - 13 = 16$$

= 16 is equal to 16.

Hence, **option 4** is the correct answer.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 5 :**

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Interchangeable 2. Independent 3. Intentional 4. Interesting 5. Interactive

**Difficulty : Moderate**

**Average Time : 92 Seconds**

**Options :**

1. 1, 2, 3, 4, 5
2. 3, 5, 2, 4, 1
3. 2, 5, 1, 4, 3
4. 2, 3, 5, 1, 4

**Solution :**

The correct answer is **option 4** i.e. **2, 3, 5, 1, 4**.

In this question, you need to arrange the words as they would appear in the English dictionary.

So the arrangement is;

1. Independent
2. Intentional
3. Interactive
4. Interchangeable
5. Interesting

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 6 :**

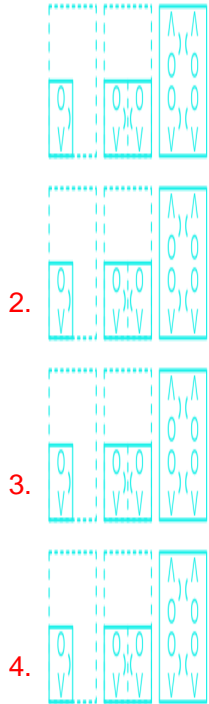
Select the option figures in which the given figure is embedded (rotation is NOT allowed) .

**Difficulty : Moderate**

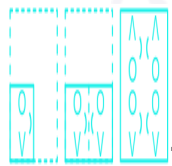
**Average Time : 65 Seconds**

**Options :**

- 1.

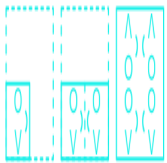


**Solution :**



The correct answer is **option 1**.

The given figure is embedded in option 1, as shown below:



**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 7 :**

Two different positions of the same dice are shown, the faces of which are marked with the letters p,q,r,s, t, and u. Select

the letter that will be on the face opposite to the face having the letter 'q'.

**Difficulty : Moderate**

**Average Time : 97 Seconds**

**Options :**

1. s
2. r
3. u
4. p

**Solution :**

The correct answer is **option 1** i.e. **s**.

In both dice, t is common. So, start rotating either in the clockwise or anticlockwise direction.

Clockwise direction:

Dice 1: t s r

Dice 2: t q u

So, s is opposite to q.

Anticlockwise direction:

Dice 1: t r s

Dice 2: t u q

So, s is opposite to q.

Hence, **option 1** is the correct answer.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 8 :**

Select the number pair in which the two numbers share a different relationship from that shared by the two numbers in the rest of the number pairs.



Difficulty : Moderate

Average Time : 80 Seconds

**Options :**

1. (36, 353)
2. (64, 729)
3. (49, 512)
4. (25, 216)

**Solution :**

The correct answer is **option 1** i.e. **(36, 353)**.

The logic used here is:

$$(1\text{st number}, ((1\text{st number}) + 1)^3)$$

**Option 1: (36, 353)**

$$36, (36 + 1)^3 = (36, 7^3) = (36, 343)$$

This does not follow the logic.

Hence, **option 1** is the odd one out.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 9 :**

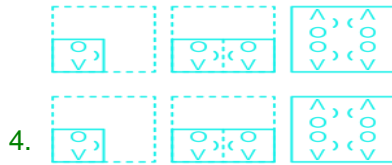
Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

Difficulty : Moderate

Average Time : 70 Seconds

**Options :**

- 1.
- 2.



**Solution :**

The correct answer is **option 4**

The mirror image of the question figure is shown below:



Since the mirror is placed right to the question figure, the right-hand side of the original image will be now the left-hand side of the mirror image.

Hence, **option 4** is the correct answer.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 10 :**

Select the option in which the numbers are related in the same way as are the numbers of the following set. (12, 60, 84)

**Difficulty : Moderate**

**Average Time : 101 Seconds**

**Options :**

1. (14, 75, 98)
2. (16, 80, 112)
3. (13, 65, 81)
4. (15, 85, 105)

**Solution :**

The correct answer is **option 2** i.e. (16, 80, 112).



The logic used here is:

(12, 60, 84)

$$(12 \times 2) + 60 = 84$$

**Option 1: (14, 75, 98)**

$$(14 \times 2) + 75 = 103$$

This does not follow the logic.

**Option 2: (16, 80, 112)**

$$(16 \times 2) + 80 = 112$$

This follows the logic.

Hence, **option 2** is the correct answer.

### Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

### Question 11 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series.  
ROAD, SMDZ, TKGV, UIJR, ?

Difficulty : Moderate

Average Time : 71 Seconds

### Options :

1. VHON
2. VGMM
3. VFNM
4. VHNO

### Solution :

The correct answer is **option 2** i.e. **VGMM**.

Given series: ROAD, SMDZ, TKGV, UIJR, ?



The series follows the pattern:

ROAD, SMDZ

$R + 1 = S$

$O - 2 = M$

$A + 3 = D$

$D - 4 = Z$

Similarly;

UIJR, ?

$U + 1 = V$

$I - 2 = G$

$J + 3 = M$

$R - 4 = N$

So, the next term in the series is **VG MN**.

### Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

### Question 12 :

In a certain code language, 'RITU' is written as 'WLYX' and 'AMAN' is written as 'FPFQ'. How will 'MIRA' be written in that language?

Difficulty : Moderate

Average Time : 80 Seconds

### Options :

1. PNWF
2. RLWD
3. PLUD
4. RNWF

**Solution :**

The correct answer is **option 2** i.e. **RLWD**.

The logic used here is:

'RITU' is written as 'WLYX'

$$R + 5 = W$$

$$I + 3 = L$$

$$T + 5 = Y$$

$$U + 3 = X$$

'AMAN' is written as 'FPFQ'

$$A + 5 = F$$

$$M + 3 = P$$

$$A + 5 = F$$

$$N + 3 = Q$$

Similarly,

Code for the word MIRA:

$$M + 5 = R$$

$$I + 3 = L$$

$$R + 5 = W$$

$$A + 3 = D$$

Hence, **option 2** is the correct answer.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 13 :**

Four letter clusters have been given, out of which three are alike in some manner and one is different. Select the letter cluster that is different.

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. WRO
2. HDA
3. LHE
4. PLI

Solution :

The correct answer is **option 1** i.e. **WRO**.

The logic used here is:

1st letter - 4 = 2nd letter

2nd letter - 3 = 3rd letter

**Option 1: WRO**

W - 4 = S

S - 3 = P

This does not follow the logic.

Hence, **option 1** is the odd one out.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 14 :**

Select the option related to the third number in the same way as the second number is related to the first number. 9: 91:: 13:?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 183

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99

3. 132

4. 203

**Solution :**

The correct answer is **option 1** i.e. **183**.

The logic used here is:

9: 91

$$9^2 + (9+1) = 81 + 10 = 91$$

Similarly,

13:?

$$13^2 + (13 + 1) = 169 + 14 = 183$$

Hence, **option 1** is the correct answer.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 15 :**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: All tractors are cars. Some scooters are cars. All scooters are cycles. Conclusions: I. All scooters are cars. II. Some cars are cycles. III. Some tractors are cycles. IV. Some tractors are scooters.

**Difficulty : Moderate****Average Time : 80 Seconds****Options :**

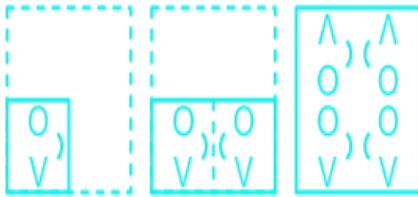
1. Both conclusions I and II follow
2. Only conclusion II follows
3. Neither conclusion I nor II follows

Only conclusion I follows

**Solution :**

The correct answer is **option 2** i.e. **Only conclusion II follows.**

The least possible Venn Diagram for the given statements is drawn below:



**Conclusions:**

- I. All scooters are cars **False** (It is possible but no definite conclusion can be drawn).
- II. Some cars are cycles **True** (As some scooters are cars, and all scooters are cycles, so, some cars are cycles).
- III. Some tractors are cycles **False** (It is possible but no definite conclusion can be drawn).
- IV. Some tractors are scooters **False** (It is possible but no definite conclusion can be drawn).

Hence, **Only conclusion II follows.**

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 16 :**

How many triangles are there in the given figure?

Difficulty : Moderate

Average Time : 100 Seconds

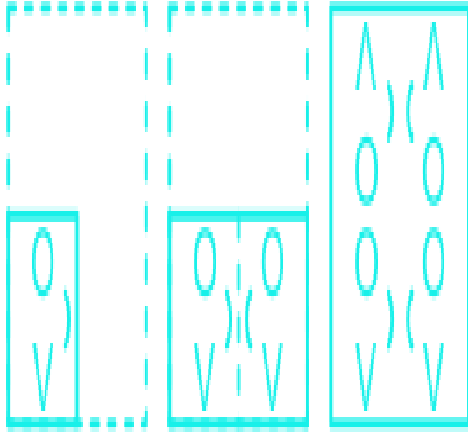
**Options :**

- 1. 12
- 2. 10
- 3. 9
- 4. 11



**Solution :**

The correct answer is **option 3** i.e. **9**.



9 triangles: ABC, ACD, AEF, AFG, ABD, AEG, AHI, AIJ, AHJ.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 17 :**

Select the option in which the numbers are related in the same way as are the numbers of the following set. (59, 118, 295)

**Difficulty :** Moderate

**Average Time :** 65 Seconds

**Options :**

1. (10, 20, 37)
2. (9, 20, 25)
3. (15, 34, 45)
4. (17, 34, 85)

**Solution :**

The correct answer is **option 4** i.e. **(17, 34, 85)**.

The logic used here is:

(59, 118, 295)

$$59 + (118 \times 2) = 59 + 236 = 295$$

Similarly,

(17, 34, 85)

$$17 + (34 \times 2) = 17 + 68 = 85$$

Hence, **option 4** is the correct answer.

### Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

### Question 18 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. q p l \_ r \_ p l t \_ q p \_ t r q \_ l \_ r

**Difficulty : Moderate**

**Average Time : 68 Seconds**

### Options :

1. t, q, r, l, p, t
2. q, r, l, t, p, p
3. q, p, r, t, l, p
4. p, t, r, q, t, l

### Solution :

The correct answer is **option 1** i.e. **t, q, r, l, p, t**.

The sequence is – t, q, r, l, p, t

Given sequence: q p l \_ r \_ p l t \_ q p \_ t r q \_ l \_ r

**Option 1:** t, q, r, l, p, t

q p l t r / q p l t r / q p l t r / q p l t r

Option 1 forms a particular pattern. So, there is no need for checking further options.

Hence, **option 1** is the correct answer.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 19 :**

In the given diagram, the circle represents 'graduates', the triangles represent 'employed people' and the rectangle represents 'rural folk'. Study the diagram carefully and answer the question that follows. What is the number of rural unemployed graduates?

**Difficulty : Moderate****Average Time : 99 Seconds****Options :**

1. 12
2. 8
3. 9
4. 6

**Solution :**

The correct answer is **option 2** i.e. **8**.

The number of rural unemployed graduates = The number that is common to both rectangle and circle = 8

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 20 :**

Guna is the son of Shyamala. Hemanth is the father of Manu. Guna is married to Deepa. Guna and Manu are siblings. Prathik is the brother of Deepa. Shyamala has only one son. Roshan is the son of Guna. Prathik is the father of Kalki. Jatin is the son of Manu. Prathik has no daughters. How is Hemanth related to Roshan's father?

**Difficulty : Moderate****Average Time : 71 Seconds**

**Options :**

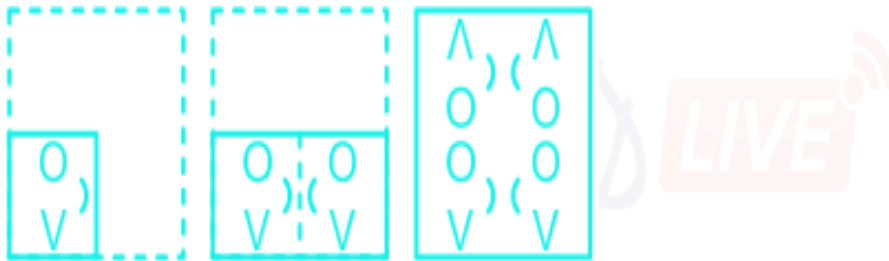
1. Father
2. Brother
3. Brother-in-law
4. Grandfather

**Solution :**

The correct answer is **option 1** i.e. **Father**.

In the diagram shown;

Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters, and double lines show a couple.



From the above figure, Hemanth is the father of Roshan's father.

Hence, **option 1** is the correct answer.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 21 :**

Select the option that is related to the third term in the same way as the second term is associated with the first term. Uttar Pradesh: Allahabad High Court:: Bihar:?

Difficulty : Moderate

Average Time : 81 Seconds

**Options :**

1. Darbhanga High Court



Nalanda High Court

3. Patna High Court

4. Gaya High Court

**Solution :**

The correct answer is **option 3** i.e. **Patna High Court**.

The logic used here is:

Uttar Pradesh: Allahabad High Court

Allahabad High Court is the high court of Uttar Pradesh.

Similarly,

Bihar:?

Patna High Court is the high court of Bihar.

Hence, **option 3** is the correct answer.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 22 :**

Out of three numbers, the ratio of the first and the second numbers is 3: 4, and the ratio of the second and the third numbers is 5: 6. If the difference between the first and the third number is 1125, find the average of the second and third numbers.

**Difficulty : Moderate**

**Average Time : 81 Seconds**

**Options :**

1. 2750
2. 2507
3. 2075
4. 2570

**Solution :**

The correct answer is **option 1** i.e. **2750**.

Let the nos be a,b, and c.

The ratio of the first and the second numbers = a: b = 3x: 4x

The ratio of the second and the third numbers = b: c = 5x: 6x

Ratio of a:b:c = 15x:20x:24x

According to the question;

The difference between the first and the third number is 1125.

So,  $24x - 15x = 1125$

$x = 125$

So, the numbers are:

$a = 15x = 1875$

$b = 20x = 2500$

$c = 24x = 3000$

Thus, the average of the second and third numbers =  $(2500 + 3000) \div 2 = 2750$

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 23 :**

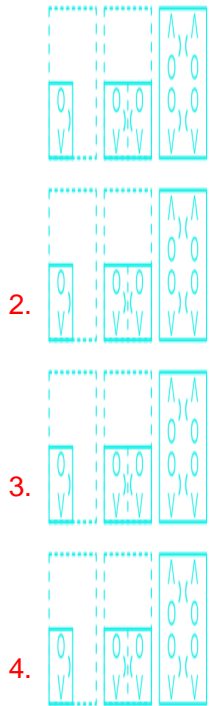
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

Difficulty : Moderate

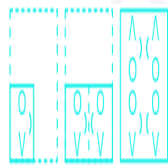
Average Time : 87 Seconds

**Options :**

1.



**Solution :**



The correct answer is **option 1**.

After unfolding, the paper will appear as follows:



**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 24 :**

Four words have been given, out of which three are alike in some manner and one is different. Select the word that is



different.

**Difficulty : Moderate**

**Average Time : 90 Seconds**

**Options :**

1. **Plotter**
2. Keyboard
3. Webcam
4. Microphone

**Solution :**

The correct answer is **option 1** i.e. **Plotter**

The logic used here is:

Keyboard, Webcam, and Microphone are devices of a computer, whereas plotter is not a device.

Hence, **option 1** is the odd one out.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked.

The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

**Question 25 :**

Select the option in which the words share the same relationship as that shared by the given pair of words. Tissues:  
Histology

**Difficulty : Moderate**

**Average Time : 68 Seconds**

**Options :**

1. Shells: Ornithology
2. Mountains: Onomatology
3. Insects: Malacology
4. Amphibians: Herpetology

**Solution :**



The correct answer is **option 4** i.e. **Amphibians: Herpetology**.

The logic used here is:

Tissues: Histology

Histology is the study of the tissue's anatomy, structure, and role.

Similarly,

Amphibians: Herpetology

Herpetology is the study of amphibians and reptiles.

Hence, **option 4** is the correct answer.

### Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)\_\_\_\_\_ risk; and it can replenish cells that actually (2)\_\_\_\_\_ those of a person who has never smoked. The (3)\_\_\_\_\_ you smoke the more mutations you have. The (4)\_\_\_\_\_ damage to the cells lining the airway and lungs can (5)\_\_\_\_\_ to cancers in the lungs, oesophagus, larynx and pharynx.

### Question 26 :

Select the number from among the given options that can replace the question mark (?) in the following series. 4096, 1024, 256, 64, ?

Difficulty : Moderate

Average Time : 73 Seconds

### Options :

1. 30

2. 16

3. 28

4. 8

### Solution :

The correct answer is **option 2** i.e. **16**.

Given series: 4096, 1024, 256, 64, ?

The series follows the pattern:

$$4096 = 4^6$$



$$1024 = 4^5$$

$$256 = 4^4$$

$$64 = 4^3$$

$$16 = 4^2$$

So, the next term in the series is **16**.

**Question 27 :**

Who among the given is the author of 'sea of poppies'?

Difficulty : Moderate

Average Time : 42 Seconds

**Options :**

1. rohinton mistry
2. Vikram Chandra
3. amitav ghosh
4. salman rushdie

**Solution :**

The correct answer is **option 3** i.e. **amitav ghosh**

- **Sea of Poppies** begins with the conversion of a former slave ship, the **Ibis**, into a transport vessel. The ship will henceforth carry opium bound for China and indentured servants to colonies like the British West Indies.
- This Novel was written by **Amitava Ghosh in 2008**.
- Ghosh which was **shortlisted for the Man Booker** for this novel.
- First volume of 2008 is having the name as **Ibis trilogy**.

**Question 28 :**

In\_\_\_\_\_ Swami Vivekananda gave lecture in the Parliament of the World's Religions.

Difficulty : Moderate

Average Time : 56 Seconds

**Options :**

1. 1884
2. 1878



1898

4. 1893

### Solution :

The correct answer is **option 4** i.e. **1893**

- **Swami Vivekananda (1863–1902) is best known in the United States for his groundbreaking speech to the 1893 World's Parliament of Religions** in which he introduced **Hinduism to America** and called for religious tolerance and an end to fanaticism.
- His iconic speech at the World Religion Conference in Chicago is remembered by one and all. It is **on September 11, 1893** when Swami Vivekanand gave the speech full of wisdom.
- Born as Narendranath Dutta, he was the **chief disciple of the 19th-century mystic Ramakrishna and the founder of Ramakrishna Mission.**
- Swami Vivekananda is also considered a key figure in the **introduction of Vedanta and Yoga to the West** and is credited with raising the profile of Hinduism to that of a world religion.
- For those unversed, it is in this iconic Chicago Speech that Vivekananda addressed the audience as **'Brothers and Sisters of America'**.

### Question 29 :

According to 2011 census, which of the following states have maximum number of villages?

Difficulty : Moderate

Average Time : 75 Seconds

### Options :

1. Madhya Pradesh
2. Odisha
3. West Bengal
4. Bihar

### Solution :

The correct answer is **option 4** i.e. Bihar

- State of **Bihar is having the Largest number of Villages** of India as per the official sources of Gol.
- It is observed that among the **States Bihar tops the list which has 1,129 inhabited villages followed by Kerala and Uttar Pradesh which have 797 and 545 in inhabited villages respectively in 2011 Census.**
- The maximum number of such villages has **increased in Bihar from 630 in 2001 to 1,129 in 2011** followed by Uttar Pradesh from 296 in 2001 to 545 in 2011.
- The States of **Sikkim, Arunachal Pradesh, Mizoram and Meghalaya do not have even a single village having**

10,000 and above population in 2011 Census.

### Question 30 :

Which of the following animal fair is organized in Himachal Pradesh?

Difficulty : Moderate

Average Time : 62 Seconds

### Options :

1. Ashwin Mela
2. Dongri Mela
3. Nalwari Mela
4. Manimahesh Mela

### Solution :

The correct answer is **option 3** i.e. **Nalwari Mela**

- Animal fair and Nalwadi fair are organized **every year in Bilaspur town of Himachal Pradesh in the month of March and April.**
- The **Nalwadi Fair of Bilaspur district** holds an important place in many events, festivals and events organized in **Himachal Pradesh.**
- Variety of recreational activities/programmes organized in this fair **of five days duration.**

### Question 31 :

Which of the following is the other name for 'Marsh Gas'?

Difficulty : Moderate

Average Time : 51 Seconds

### Options :

1. Methane
2. Ethane
3. Propane
4. Butane

### Solution :

Page No: 28

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The correct answer is **option 1** i.e. **Methane**

- **Methane is the primary gas that is known as "marsh gas".**
- **Anaerobic digestion**, like pyrolysis, occurs **in the absence of air**; but in this case the decomposition is caused by bacterial action rather than high temperatures.
- Anaerobic digestion takes place naturally in decaying vegetation on the bottom of ponds, **producing the marsh gas** which bubbles to the surface and can even catch fire.
- **Global wetlands are one of the largest sources of atmospheric methane.** That's where the name marsh comes from because it is the gas produced from marshy lands.

**Question 32 :**

In terms of SI prefixes 10<sup>-15</sup> is called:

Difficulty : Moderate

Average Time : 61 Seconds

**Options :**

1. Atto
2. Zepto
3. Yocto
4. Femto

**Solution :**

The correct answer is **option 4** i.e. **Femto**

Femto is **sub multiple prefix** means less than a unit of any fundamental measurable quantity used to **denote small quantities which are less than a unit.**

Below are some of the common SI prefix and multiples and sub-multiples.

**Question 33 :**

\_\_\_\_\_ is used to measure the pressure inside the eyes of a person.

Difficulty : Moderate

Average Time : 43 Seconds

**Options :**

1. Machmeter
2. Viscometer

Odometer

4. Tonometer

**Solution :**

The correct answer is **option 4** i.e. **Tonometer**

- **Tonometer is instrument, which is used to measure the intraocular pressure.**
- Digital tonometry can give a rough estimate of gross variations in intra-ocular pressure.
- Below is a diagram for using manual tonometer.
- There are **two types Tonometer Indentation and Applanation.**

**Question 34 :**

The birth anniversary of \_\_\_\_\_ was observed as 'Rashtriya Ekta Diwas' (National Unity Day) on 31st October 2020.

**Difficulty : Moderate**

**Average Time : 47 Seconds**

**Options :**

1. Indira Gandhi
2. Jawaharlal Nehru
3. Sardar Vallabhbhai Patel
4. Rajendra Prasad

**Solution :**

The correct answer is **option 3** i.e. **Sardar Vallabhbhai Patel**

- The Government has decided to observe the **birth anniversary of Sardar Vallabhbhai Patel as the 'Rashtriya Ekta Diwas' (National Unity Day) on 31st October every year from 2014 onwards.**
- All the Government Offices, Public Sector Undertakings and other Public Institutions will arrange a pledge taking ceremony to observe the Rashtriya Ekta Diwas and have been requested to organize appropriate programmes on the occasion in a befitting manner, including the '**Pledge-taking Ceremony**', '**Run for Unity**' involving people from all sections of society.

**Question 35 :**

A saturated geological unit which can yield water to the wells at a sufficient rate to support a well is called \_\_\_\_\_.

**Difficulty : Moderate**

**Average Time : 62 Seconds**

**Options :**



1. aquifer

2. reservoir

3. estuary

4. karst

**Solution :**

The correct answer is **option 1** i.e. **aquifer**

- An aquifer can be defined as a **formation containing sufficient saturated permeable material which can yield significant quantities of water to wells and springs.**
- **An aquifer material must have enough pore spaces, and must be large enough so as to permit the extraction of water at useful rates.** Thus, **an aquifer should have an ability to store and to transmit water.**
- It is observed that **sedimentary materials constitute the largest percentage of earth's aquifers**, including coarse unconsolidated materials and hard sedimentary rocks like, limestone and dolomite.

**Question 36 :**

Who authored the book 'Reporting India: My Seventy-Year Journey as a Journalist'?

Difficulty : Moderate

Average Time : 61 Seconds

**Options :**

1. Prem Prakash

2. Chetan Bhagat

3. Khushwant Singh

4. Anjan Sundaram

**Solution :**

The correct answer is **option 1** i.e. **Prem Prakash**

- *Reporting India* is a fascinating account of the **life and times of Prem Prakash, a pioneer in the field of Indian journalism.**
- The book celebrates Prakash's unparalleled body of work, providing a detailed account of his personal and professional life, along with his reminiscences of the most impactful **stories that he covered-from the 1962 Indo-China war to the 1965 and 1971 wars against Pakistan; from the Emergency to the assassination of Indira Gandhi; from Lal Bahadur Shastri's fateful Tashkent journey to the liberation of Bangladesh; from Jawaharlal Nehru's demise to Narendra Modi's rise.**
- An intriguing read, *Reporting India* brings to life some of the defining moments in Indian history.



### Question 37 :

Hima Das is an Indian \_\_\_\_\_.

Difficulty : Moderate

Average Time : 66 Seconds

### Options :

1. sprinter
2. boxer
3. swimmer
4. cricketer

### Solution :

The correct answer is **option 1** i.e. **sprinter**

- National icon and **Arjuna awardee** athlete Hima who has won an **Asian Games Silver (2018)** and is known as the “**Dhing Express**”, a resident of the Dhing Village in Nagaon District of Assam.
- Athlete Hima Das has won winning **Gold in 400m of World U20** Championships.
- Hima Das Appointed as a civil servant under the post of Deputy Superintendent of Police in Assam Police Service cadre by Assam Public Service Commission.

### Question 38 :

'Chikara' is a \_\_\_\_\_ musical instrument popular in the state of Madhya Pradesh.

Difficulty : Moderate

Average Time : 56 Seconds

### Options :

1. plate
2. wind
3. stringed
4. membrane

### Solution :

The correct answer is **option 3** i.e. **stringed**

- This instrument is used by tribes of Rajasthan, Madhya Pradesh and Uttar Pradesh.
- The chikara is a simple spike fiddle played, similarly to the sarangi or sarinda, by sliding fingernails on the





strings rather than pressing them to touch the fingerboard.

- It has 3 strings, two horse hair and one steel.

**Question 39 :**

In which year were the Fundamental Duties of citizens added to the Constitution of India by the 42nd Amendment?

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1. 1976
2. 1964
3. 1950
4. 1982

**Solution :**

The correct answer is **option 1** i.e. **1976**

1. Forty-Second Amendment Act of 1976 is the most comprehensive amendment made so far to the Constitution.
2. This amendment is **also known as the 'Mini-Constitution'** it gave effect to the recommendations of the Swaran Singh Committee.
3. It **added three new words (i.e. Socialist, Secular and Integrity) in the preamble.**
4. It **added fundamental duties of the citizens and added a new part Part-IVA.**
5. It **made the president to be bound by the advice of the cabinet.**
6. It provided for **administrative tribunals and tribunals** for other matters.
7. It **made the constitutional amendments beyond judicial scrutiny.**
8. It declared that the **implementation of directive principles on the grounds cannot be declared invalid on the grounds of violation of Fundamental Rights.**

**Question 40 :**

Who founded the Vikramshila University and revived the Nalanda University?

Difficulty : Moderate

Average Time : 67 Seconds

**Options :**

1. Dharampala

Shri Gupta

3. Gopala

4. Vasudeva

### Solution :

The correct answer is **option 1** i.e. **Dharampala**

- **Odantapuri mahavihara was built by Gopala I (750-770 CE)**, the founder of the Pala dynasty of Bengal.
- Another Pala ruler named **Dharmapala (783-820 CE) established Vikramashila mahavihara.**
- The **most important subject taught here was Vajrayana Buddhism.**
- It maintained contacts with Tibet and scholars from Tibet came to study here.
- In the 12th century, it is believed that **there were about 3,000 scholars studying here. Many manuscripts were written in Sanskrit and also translated into Tibetan.**
- Atisha Dipankar (980- 1054), a Buddhist in the Pala kingdom was an adhyaksha (head of the university) here. He also founded **Somapur Mahavihara in modern Bangladesh.**
- Taranath, a Tibetan Buddhist scholar says Dharmapala built 50 religious institutions.
- Later in the late 12th century the mahaviharas of Nalanda, Odantapuri and Vikramshila were **destroyed by Bakhtiyar Khilji, a military commander of Qutubuddin Aibak.**

### Question 41 :

Who among the following cricketers is a left-arm pace bowler?

Difficulty : Moderate

Average Time : 73 Seconds

### Options :

1. Bhuvneshwar Kumar
2. Ashish Nehra
3. Umesh Yadav
4. Ishant Sharma

### Solution :

The correct answer is **option 2** i.e. **Ashish Nehra**

- When **Ashish Nehra made his international debut back in 1998**, Eighteen years since he debuted, Nehra underwent over 10 surgeries owing to that action but not once did he compromise on pace.
- Nehra announced his **retirement from all forms of cricket in late 2017**, with the Twenty20 International match against New Zealand on 1 November 2017 at Feroz Shah Kotla Ground his last appearance.
- While memories of his magical spell of 6/23 against England in the 2003 World Cup are still fresh, he played a



crucial role in India's World Cup win 2011.

**Question 42 :**

When was the flagship scheme of Skill India initiated in India?

Difficulty : Moderate

Average Time : 60 Seconds

**Options :**

1. 2010
2. 2015
3. 2008
4. 2019

**Solution :**

The correct answer is **option 2** i.e. **2015**

- In order to address the incremental manpower requirement and to empower youth with adequate skills, **Skill India Mission was launched in 2015.**
- Under Skill India Mission, the Government through **more than 20 Central Ministries/Departments** implementing various skill development schemes across the country.
- Major skill development training schemes/programmes, being implemented by Ministry of Skill Development and Entrepreneurship, are **Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Jan Shikshan Sansthan (JSS), National Apprenticeship Promotion Scheme (NAPS) and Craftsmen Training Scheme (CTS).**

**Question 43 :**

Yashovigrah, Mahichandra and Chandradev are the first three rulers of \_\_\_\_\_kingdom.

Difficulty : Moderate

Average Time : 54 Seconds

**Options :**

1. Garhwal
2. Chauhan
3. Maratha
4. Wadiyar

**Solution :**

The correct answer is **option 1** i.e. **Garhwal**



The Gahadwalas occupied Kannauj in the 11th century. From Kannauj they ruled over the major portions of the Gangetic doab during **1090-1193**. The Gahadwala king Jayachandra is usually styled as the king of Benares by the Muslim historians.

- The Gahadwalas had bitter struggle and enmity with the Chahamanas.
- The rise of Gahadwals took something around 1089-90 AD, When Chandradev ruled from 1089-1103 AD provided a stable government in the region. This information is provided in the Chandravati inscription.
- Mahichandra and Yashovigrah ruled some times before the coronation of Jaychandra as the ruler of Gahadwals in 21st June 1170.

**Question 44 :**

When is the National Voters Day observed by the Election Commission of India?

Difficulty : Moderate

Average Time : 61 Seconds

**Options :**

1. 26 June
2. 25 January
3. 6 May
4. 15 August

**Solution :**

The correct answer is **option 2** i.e. **25 January**

- Election Commission of India came into existence on the 25th January, 1950. **ECI celebrated 60 years of its illustrious journey on 25th Jan., 2010.**
- **The National Voters' Day Launched on the Valedictory function of the Diamond Jubilee celebration was organized on 25th January, 2011**, the next Foundation Day celebration of the Commission.
- Hon'ble **President gave away Elector Photo Identity Cards (EPIC) to five such voters in the function in New Delhi to mark the national level launch of the National Voters' Day.**
- **Article 324 Part XV** of the Constitution of India that provides for setting up of the **Election Commission of India was one of the exceptional provisions that were brought in force on 26 November, 1949** while the rest of the Constitutional provisions were adopted later on 26th January, 1950.

**Question 45 :**

According to the 2011 Census of India, which of the following is the second most populous state in the country?

Difficulty : Moderate

Average Time : 71 Seconds

**Options :**



Rajasthan

2. Maharashtra

3. Gujarat

4. Madhya Pradesh

### Solution :

The correct answer is **option 2** i.e. **Maharashtra**

- As per the census of 2011 and data from official sources-
- State having **maximum population is Uttar Pradesh followed by Maharashtra and Bihar.**
- State of **Maharashtra is having 2nd largest population of India.**

### Question 46 :

Ghiyas-ud-din Tughlaq was the governor of \_\_\_\_\_ during the reign of Ala-ud-din Khilji.

Difficulty : Moderate

Average Time : 44 Seconds

### Options :

1. Rajasthan

2. Bengal

3. Kashmir

4. Punjab

### Solution :

The correct answer is **option 4** i.e. **Punjab.**

- He entered the Khalji service as a personal attendant of Alauddin's brother Ulugh Khan.
- During the 1306 Mongol invasion, Tughlaq led the vanguard of the Khalji army, which was commanded by General Malik Kafur, and defeated the invaders.
- Alauddin appointed Tughlaq as the governor of Multan, and then that of Dipalpur, both in present-day Pakistan.

### Question 47 :

Reserve Bank of India became the first central bank in the world to have more than one million followers on \_\_\_\_\_ in November 2020.

Difficulty : Moderate

Average Time : 52 Seconds



## Options :

1. Instagram
2. Snapchat
3. Facebook
4. Twitter

## Solution :

The correct answer is **option 4** i.e. **Twitter**

- In a first among central banks, the Reserve Bank of **India has become the first monetary authority in the world to have more than 1 million followers** on its official Twitter handle.
- Despite much less monetary firepower, the **Reserve Bank of India (RBI) has beaten the world's most powerful central banks — the U.S. Federal Reserve and the European Central Bank** — on Twitter by a wide margin, emerging as the most popular central bank on the microblogging site with over 1 million followers.
- The achievement is impressive as the 85-year-old Reserve Bank was also a latecomer to the world of Twitter as **it created the account only in January 2012.**
- According to the latest information available on the RBI's **Twitter handle '@RBI'**, the number of followers has increased from 9.66 lakh on September 27, 2020 to over 10 lakh.

## Question 48 :

What do you call a proportionate saving in costs gained by an increased level of production?

Difficulty : Moderate

Average Time : 73 Seconds

## Options :

1. Production function
2. Economies of scale
3. Isocost
4. Isoquant

## Solution :

- The correct answer is **option 2** i.e. **Economies of scale**
- **Economies and diseconomies of scale are concerned with behaviour of average cost curve as the plant size is increased.** If LRAC (Long Run Average Cost Curve) declines as output increases, then we say that the firm enjoys economies of scale. If, instead, the LRAC increases as output increases, then we have diseconomies of scale.
- In the **long run, all inputs are variable**, and a firm can have a number of alternative plant sizes and levels of output



that it wants. There are no fixed cost functions (total or average) in the long run, since no inputs are fixed. A useful way of looking at the long run is to consider it a planning horizon. The **long run cost curve is also called planning curve** because it helps the firm in future decision making process.

- The long run average cost curve (LRAC) is **derived from short run average cost curves (SRAC)**.
- The long run average cost function for this firm is **defined by the minimum average cost of each level of output**.
- Economies of scale **explain the down sloping part of the LRAC curve**.

**Question 49 :**

Who among the following has been appointed as the chairman of the Somnath Temple trust in Gujarat in January 2021?

Difficulty : Moderate

Average Time : 89 Seconds

**Options :**

1. Amit Shah
2. Amitabh Bachchan
3. Rajeev Arora
4. Narendra Modi

**Solution :**

The correct answer is **option 4** i.e. **Narendra Modi**

- **PM Modi was appointed the chairman of the trust in January 2021** after the demise of the incumbent, former Gujarat CM Keshubhai Patel.
- Trust manages the world famous Somnath Temple at **Prabhas Patan town in Gujarat's Gir-Somnath district**.
- Current trustees include BJP leader LK Advani, Union Home Minister Amit Shah, Gujarat-based scholar JD Parmar and businessman Harshvardhan Neotia.

**Question 50 :**

Who among the following developed the Polio vaccine?

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. FG Hopkins
2. Jonas Salk
3. Edward Jenner
4. Robert Koch

**Solution :**

The correct answer is **option 2** i.e. **Jonas Salk**

- **Poliomyelitis is a communicable disease** due to an acute viral infection **caused by an RNA virus**, known as **Poliovirus**.
- The poliomyelitis is a crippling disease, which **can affect any age but is more common in children below 15 years** of age.
- Man is the only reservoir. **Infection spreads from person to person**.
- Polio is a **candidate for eradication**.
- Polio prevention involves immunization with **Oral Polio Vaccine (OPV) and IPV**.
- **IPV was originally developed by Dr Jonas Salk in 1955** whereas the OPV was developed by Dr Albert Sabin in 1961.

**Question 51 :**

Which of the following is the common name of a natural admixture mineral of zinc carbonate and hydrous zinc silicate?

Difficulty : Moderate

Average Time : 66 Seconds

**Options :**

1. Calamine
2. Chalk
3. Benzol
4. Borax

**Solution :**

The correct answer is **option 1** i.e. **Calamine**

- **Calamine** is a name for an ore of zinc.
- During the early 19th century it was discovered that ore was actually admixture of two distinct minerals: Zinc carbonate  $ZnCO_3$  or **smithsonite** and Zinc silicate  $Zn_4Si_2O_7(OH)_2 \cdot H_2O$  or **hemimorphite**.
- **In medi-science calamine**, also known as **calamine lotion**, is a medication used to treat mild itchiness.

**Question 52 :**

Avinash has 20% less coins of different countries than Gaurav has. Gaurav has 40% more such coins than Chetan has. By what percent the number of coins which Chetan has is less than the number of coins which Avinash has?(correct to one decimal place)

Difficulty : Moderate

Average Time : 67 Seconds

**Options :**





10.7

2. 10.6

3. 10.5

4. 12

**Solution :**

The correct answer is **option 1** i.e. **10.7**

Let's the total number of coins of Chetan = 100

The total number of coins of Gaurav =  $100 \times (100 + 40)/100 = 140$

The total number of coins of Avinash =  $140 \times (100 - 20)/100 = 112$

The required percentage =  $(112 - 100)/112 \times 100 = 10.71\%$

**Question 53 :**

If  $x - \left(\frac{2}{x}\right) = 15$ , then what is the value of ?

**Difficulty : Moderate**

**Average Time : 42 Seconds**

**Options :**

1. 229

2. 227

3. 221

4. 223

**Solution :**

The correct answer is **option 1** i.e. **229**

$$x - \left(\frac{2}{x}\right) = 15$$

Square on both sides :

$$x^2 + \left(\frac{4}{x^2}\right) - 4 = 225$$

$$x^2 + \left(\frac{4}{x^2}\right) = 229$$

**Question 54 :**

Simplify the following expression:  $\left(\frac{7}{12}\right) \div \left(\frac{1}{10}\right)$  of  $\left(\frac{2}{3}\right) -$   
 $\left(\frac{5}{3}\right) \times \left(\frac{9}{10}\right) + \left(\frac{5}{8}\right) \div \left(\frac{3}{4}\right)$  of  $\left(\frac{2}{3}\right)$

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1.  $8 \frac{1}{2}$
2. - 4
3.  $3 \frac{23}{36}$
4.  $7 \frac{29}{36}$

Solution :

The correct answer is **option 1** i.e.  $8 \frac{1}{2}$

$\frac{7}{12} \div \frac{1}{10}$  of  $\frac{2}{3} - \frac{5}{3} \times \frac{9}{10} + \frac{5}{8} \div \frac{3}{4}$  of  $\frac{2}{3}$

Use BODMAS rule on the question :

$$= \frac{7}{12} \div \frac{1}{15} - \frac{5}{3} \times \frac{9}{10} + \frac{5}{8} \div \frac{1}{2}$$

$$= \frac{35}{4} - \frac{3}{2} + \frac{5}{4}$$

$$= \frac{35-6+5}{4}$$

$$= \frac{34}{4}$$

$$= 8 \frac{1}{2}$$

Question 55 :

The data given in the table shows the number of boys and girls enrolled in three different streams in a school over 4 years.

Years	Arts	Science	Commerce	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls		
2012	48	36	40	35	35	45	2014	42	43	42	32		
2016	45	42	38	2018	39	46	41	23	28	34	2020	36	
42	38	30	36	38	2018	39	46	41	23	28	34	2020	36

What is the ratio of the total number of boys in the year 2014 to the total number of girls in the year 2020 ?

Difficulty : Moderate

Average Time : 143 Seconds

Options :

1. 58 : 57
2. 55 : 57
3. 58 : 53
4. 1 : 1

**Solution :**

The correct answer is **option 1** i.e. **58 : 57**

The total number of boys in the year 2014 =  $42 + 42 + 32 = 116$

The total number of girls in the year 2020 =  $43 + 30 + 41 = 114$

The required ratio =  $116 : 114 = 58 : 57$

**Question 56 :**

If  $\sin^2 \theta = 2\sin \theta - 1$ ,  $0^\circ < \theta < 90^\circ$ , then find the value of  $\theta$  :

**Difficulty : Moderate****Average Time : 39 Seconds****Options :**

1. - 2

2. 1

3. 2

4. - 1

**Solution :**

The correct answer is **option 3** i.e. **2**

$$\sin^2 \theta = 2\sin \theta - 1$$

$$\sin^2 \theta - 2\sin \theta + 1 = 0$$

$$(\sin \theta - 1)^2 = 0$$

$$\sin \theta = 1$$

$$\sin \theta = \sin 90^\circ$$

$$\theta = 90^\circ$$

$$\frac{\sec^2 60^\circ \cos^2 45^\circ + \operatorname{cosec}^2 30^\circ}{\cot 30^\circ \sec^2 45^\circ - \operatorname{cosec}^2 30^\circ \tan 45^\circ}$$

$$= (1 + \operatorname{Cosec} 90^\circ) / (1 - \operatorname{Cot} 90^\circ)$$

$$= (1 + 1) / 1 - 0$$

$$= 2$$

**Question 57 :**

In  $\triangle ABC$  and  $\triangle DEF$ , we have  $(\frac{AB}{DF}) = (\frac{BC}{DE}) = (\frac{AC}{EF})$ , then which of the following is true ?

Difficulty : Moderate

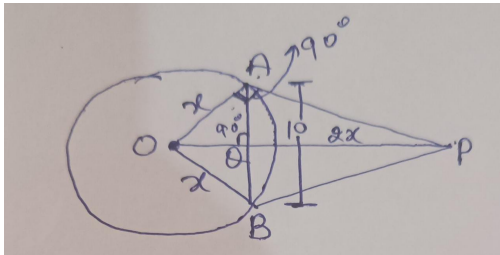
Average Time : 84 Seconds

Options :

1.  $\triangle BCA \sim \triangle DEF$
2.  $\triangle DEF \sim \triangle ABC$
3.  $\triangle DEF \sim \triangle BAC$
4.  $\triangle CAB \sim \triangle DEF$

Solution :

The correct answer is **option 1** i.e.  $\triangle BCA \sim \triangle DEF$



Here In  $\triangle ABC$  and  $\triangle DEF$

If the ratios of their corresponding sides are equal, then the two figures are similar.

$$\left(\frac{AB}{DF}\right) = \left(\frac{BC}{DE}\right) = \left(\frac{AC}{EF}\right)$$

So,  $\triangle BCA \sim \triangle DEF$

**Question 58 :**

In a circle with centre O. AB is a chord of length 10 cm . Tangents at a point A and B intersect outside the circle at P. If  $OP = 2 OA$ , then find the length (in cm) of AP.

Difficulty : Moderate

Average Time : 85 Seconds

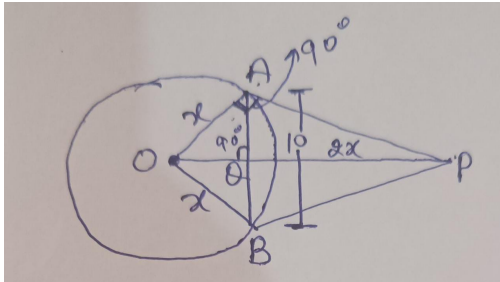
Options :

1. 12.5
2. 10
3. 12

15

**Solution :**

The correct answer is **option 2** i.e. **10**



Here,  $OA = OB = x$  cm

$OP = 2x$  cm

$AB = 10$  cm

$AQ = BQ = AB/2 = 10/2 = 5$  cm

$\triangle OAP \sim \triangle OAQ$

$OP/OA = AP/AQ$

$2x/x = AP/5$

$AP = 10$  cm

**Question 59 :**

The monthly salaries of Anil and Kumud are in the ratio of 19 : 17. If Anil and Kumud get a salary hike of Rs 2000 and Rs 1000 respectively, then, the ratio in their salaries becomes 8 : 7. What is the present salary of Kumud (in Rs)?

**Difficulty :** Moderate

**Average Time :** 61 Seconds

**Options :**

1. 38000
2. 18000
3. 34000
4. 35000

**Solution :**



The correct answer is **Option 3** i.e. **34000**.

The ratio of the monthly salaries of Anil and Kumud =  $19x : 17x$

Salary hike of Anil and Kumud = Rs 2000 and Rs 1000

According to the question,

$$(19x + 2000)/(17x + 1000) = 8/7$$

$$133x + 14000 = 136x + 8000$$

$$x = 2000$$

So, the salary of Kumud =  $17 \times 2000 = \text{Rs } 34,000$

**Question 60 :**

Trader A gives a single discount of 25% and Trader B gives two successive discount of 20% and 5% on an identical item. If the discount given by A is Rs320 more than the discount given by B, then what is the marked price (in Rs ) of the item ?

**Difficulty : Moderate**

**Average Time : 52 Seconds**

**Options :**

1. 3200
2. 32000
3. 30000
4. 25000

**Solution :**

The correct answer is **option 2** i.e. **32,000**

Discount given by A = 25%

Discount given by B = 20% and 5%

Successive discount of B =  $x + y - xy/100$

$$= 20 + 5 - 20 \times 5/100$$

$$= 24\%$$

Difference b/w A and B

$$25\% - 24\% = 320$$



$$1\% = 320$$

$$100\% = \text{Rs } 32,000$$

**Question 61 :**

Eighteen men can complete a work in 14 days. Three women do as much as two men. Five men and six women started the work and continued for 4 days. Subsequently 3 more men joined the group. In how many total days was the work completed ?

**Difficulty : Moderate****Average Time : 50 Seconds****Options :**

1.  $21 \frac{1}{3}$
2.  $17 \frac{1}{3}$
3. 18
4. 22

**Solution :**

The correct answer is **option 4** i.e. **22**

We have given,

$$3W = 2M$$

$$W/M = 2/3$$

The ratio of the efficiency man and woman = 3 : 2

Eighteen men can complete a work in 14 days

$$\text{Total work} = 18 \times 14 \times 3 = 756$$

Five men and six women started the work and continued for 4 days.

$$\text{So, 4 days work} = (5M + 6W) \times 4$$

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

$$= 108$$

$$\text{Remaining work} = 756 - 108 = 648$$

3 more man added in the team

$$\text{So, remaining work done by } (8M + 6W) = (8 \times 3 + 6 \times 2 = 36)$$



$$= 648/36$$

$$= 22 \text{ days}$$

**Question 62 :**

The value of is:

Difficulty : Moderate

Average Time : 62 Seconds

**Options :**

1.  $-3(2 + 3)$

2.  $3(2 - 3)$

3.  $-3(2 - 3)$

4.  $-3(2 - 3)$

5.  $3(2 + 3)$

**Solution :**The correct answer is **option 1** i.e.  $-3(2 + 3)$ 

$$\frac{\sec^2 60^\circ \cos^2 45^\circ + \operatorname{cosec}^2 30^\circ}{\cot 30^\circ \sec^2 45^\circ - \operatorname{cosec}^2 30^\circ \tan 45^\circ}$$

$$= \frac{2^2 \times (\frac{1}{\sqrt{2}})^2 + (2)^2 \times \sqrt{3} \times (\sqrt{2})^2 - 2^2 \times 1}{2 + 4 - 2\sqrt{3} - 4}$$

$$= \frac{2 + 4}{2\sqrt{3} - 4}$$

$$= \frac{3}{\sqrt{3} - 2} \times \frac{\sqrt{3} + 2}{\sqrt{3} + 2}$$

$$= 3(2 + 3)/(-1)$$

$$= -3(2 + 3)$$

**Question 63 :**

Simplify the following expression .

Difficulty : Moderate

Average Time : 77 Seconds

**Options :**



1.  $\frac{5}{2}(a^3 + b^3)(b^3 - c^3)(c^3 - a^3)$
2.  $\frac{5}{2}(a^3 - b^3)(b^3 + c^3)(c^3 + a^3)$
3.  $\frac{5}{2}(a^3 - b^3)(b^3 - c^3)(c^3 + a^3)$
4.  $\frac{5}{2}(a^3 + b^3)(b^3 + c^3)(c^3 + a^3)$

**Solution :**

The correct answer is **option 2** i.e.  $\frac{5}{2}(a^3 + b^3)(b^3 + c^3)(c^3 + a^3)$

We have given,

$$\frac{5(a^6 - b^6)^3 + 5(b^6 - c^6)^3 + 5(c^6 - a^6)^3}{2(a^3 - b^3)^3 + (b^3 - c^3)^3 + 2(c^3 - a^3)^3}$$

We know that

$$\begin{aligned} \text{If } a + b + c = 0 \text{ then } a^3 + b^3 + c^3 &= 3abc \\ &= \frac{5}{2} \times [ \{ (a^6 - b^6)^3 + (b^6 - c^6)^3 + (c^6 - a^6)^3 \} / \{ (a^3 - b^3)^3 + (b^3 - c^3)^3 + (c^3 - a^3)^3 \} ] \\ &= \frac{5}{2} \times [ \{ 3(a^6 - b^6) \times (b^6 - c^6) \times (c^6 - a^6) \} / \{ 3(a^3 - b^3) \times (b^3 - c^3) \times (c^3 - a^3) \} ] \end{aligned}$$

We know that  $(a^2 - b^2) = (a + b)(a - b)$

$$\begin{aligned} &= \frac{5}{2} \times [ \{ (a^3 + b^3)(a^3 - b^3) \times (b^3 + c^3)(b^3 - c^3) \times (c^3 + a^3)(c^3 - a^3) \} / \{ (a^3 - b^3) \times (b^3 - c^3) \times (c^3 - a^3) \} ] \\ &= \frac{5}{2}(a^3 + b^3)(b^3 + c^3)(c^3 + a^3) \end{aligned}$$

**Question 64 :**

Atul borrowed a sum of Rs 12000 and agreed to repay it by paying Rs 4800 at the end of first year and Rs 9240 at the end of second year. What is the rate of compound interest compounded annually ?

**Difficulty :** Moderate

**Average Time :** 156 Seconds

**Options :**

1. 10%
2. 8%
3. 12%
4.  $\frac{8}{5}\%$

**Solution :**

The correct answer is **option 1** i.e. **10%**

We have given,

$$P = \text{Rs. } 12,000$$

$$n = 2 \text{ years}$$

$$r = ?$$

$$\text{1st installment} = 4800$$

$$\text{2nd installment} = 9240$$

Now according to the question,

$$\{P \times (1 + \frac{r}{100}) - \text{1st installment}\} \times (1 + \frac{r}{100}) = \text{2nd installment}$$

$$\{12000 \times (1 + \frac{r}{100}) - 4800\} (1 + \frac{r}{100}) = 9240$$

$$(12000 + 120r - 4800) (1 + \frac{r}{100}) = 9240$$

$$(7200 + 120r) (1 + \frac{r}{100}) = 9240$$

$$7200 + 72r + 120r + 1.2r^2 = 9240$$

$$r^2 + 160r - 1700 = 0$$

$$r^2 + 170r - 10r - 1700 = 0$$

$$(r + 170) (r - 10) = 0$$

$$r = -170 \text{ can't possible}$$

$$r = \mathbf{10\%}$$

### Question 65 :

What is the product of the average of first ten positive odd numbers and the average of first fifteen positive even numbers ?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 44



150

3. 160

4. 85.25

**Solution :**

The correct answer is **option 3** i.e. **160**

The average of the first  $n$  natural odd numbers =  $n^2/n$  {where  $n$  = total terms}

The average of first 10 odd positive numbers =  $10^2/10 = 10$

The average of the first  $n$  natural even numbers =  $n(n+1)/n = n + 1$

The average of first fifteen positive even numbers =  $15 + 1 = 16$

So, the required product =  $10 \times 16 = 160$

**Question 66 :**

Bar graph shows the number of males and females in five organizations A, B, C, D and E. What is the ratio of number of males working in organizations C, D, and E taken together to that of females working in organizations A, B, and C taken together ?

**Difficulty : Moderate****Average Time : 56 Seconds****Options :**

1. 10 : 11

2. 49 : 46

3. 11 : 10

4. 46 : 49

**Solution :**

The correct answer is **option 1** i.e. **10 : 11**

The total number of males in organization C, D, and E =  $325 + 275 + 150 = 750$

The total number of females in organization A, B, and C =  $300 + 275 + 250 = 825$

The required ratio =  $\left(\frac{750}{825}\right) = 10 : 11$

**Question 67 :**

A shop keeper sold an articles at four - fifth of the marked price and suffered a loss 3  $\left(\frac{1}{3}\right)\%$ . Find the profit percent ,



if he sold the article at the marked price . (correct to nearest integer )

**Difficulty : Moderate**

**Average Time : 47 Seconds**

**Options :**

1. 22
2. 18
3. 21
4. 20

**Solution :**

The correct answer is **option 3** i.e. **21**

Let's assume the marked price of the article = Rs 100

So, selling price of the article =  $100 \times (4/5) = \text{Rs } 80$

Loss =  $3\left(\frac{1}{3}\right)\% = 3.33\%$

CP =  $SP \times 100 / (100 - \text{loss}\%)$

CP =  $80 \times 100 / (100 - 3.33)$

CP = Rs 82.75

According to the question if he sells the article on MRP then,

Profit % =  $\{(SP - CP) / CP\} \times 100$

=  $\{(100 - 82.75) / 82.75\} \times 100$

=  $1725 / 82.75 = 20.8\%$

= **21%**

**Question 68 :**

A man walking at a speed of 3km/h crosses a square field diagonally in 5 minutes. What is the area of the field (in m<sup>2</sup>) ?

**Difficulty : Moderate**

**Average Time : 55 Seconds**

**Options :**

1. 31250
2. 3125



312.5

4. 3.125

**Solution :**

The correct answer is **option 1** i.e. **31250**

The speed of the man = 3 km/h

Area of the square =  $a^2$

Diagonal of the square =  $a\sqrt{2}$

Length of the diagonal = total covered distance by the man in 5 minutes

$$a\sqrt{2} = 3 \times (5/60) \times 1000 \quad \{1\text{km} = 1000\text{m and } 1\text{hr} = 60 \text{ min}\}$$

$$a\sqrt{2} = 250 \text{ m}$$

Square on both sides

$$2a^2 = 62500$$

$$a^2 = 31250$$

Area of the square = **31250 m<sup>2</sup>**

**Question 69 :**

If  $y = 2x + 1$ , then what is the value of  $(8x^3 - y^3 + 6xy)$ ?

**Difficulty : Moderate**

**Average Time : 59 Seconds**

**Options :**

1. 1

2. -1

3. 15

4. -15

**Solution :**

The correct answer is **option 2** i.e. **-1**

We have given,

$$y = 2x + 1$$

$$y - 2x = 1$$

Cube on both sides :

$$y^3 - 8x^3 - 3 \times y^2 \times 2x + 3 \times y \times 4x^2 = 1$$

$$y^3 - 8x^3 - 6xy(y - 2x) = 1$$

$$y^3 - 8x^3 - 6xy = 1 \quad \{\text{given } y - 2x = 1\}$$

multiply by (-1) in the above equation

$$8x^3 + y^3 + 6xy = -1$$

**Question 70 :**

The pie graph shows the distribution of employee working in five department A, B, C, D and E of a company. Total number of employees = 9000. If the number of employees working in department A is  $x$  and the total number of employees working in departments C and E is  $y$ , then the value of  $y - 2x$  is :

**Difficulty : Moderate**

**Average Time : 73 Seconds**

**Options :**

1. 725
2. 850
3. 1000
4. 915

**Solution :**

The correct answer is **option 4** i.e. **915**

The number of employees working in department A =  $x = 64.2^\circ$

the total number of employees working in departments C and E =  $y = 72^\circ + 93^\circ = 165^\circ$

The value of  $y - 2x = 165^\circ - 2 \times 64.2^\circ$

$$= 165^\circ - 128.4^\circ = 36.6^\circ$$

We have given,

The value of  $360^\circ = 9000$

$$1^\circ = 9000/360 = 25$$

$$= 36.6^\circ \times 25 = \mathbf{915}$$

**Question 71 :**

Places A and B are 45 km apart from each other. A car starts from place A and another car starts from place B at the same time. If they move in the same direction, they meet in 4 and a half hours and if they move towards each other, they meet in 27 minutes. What is the speed (in km/hr) of the car which moves faster?

**Difficulty : Moderate****Average Time : 71 Seconds****Options :**

1. 56
2. 55
3. 45
4. 50
5. 65

**Solution :**

The correct answer is **option 2** i.e. **55**

The distance between A and B = 45 km

Let the speed of both cars be x and y respectively.

Relative speed in the same direction =  $x - y$

Relative speed in the opposite direction =  $x + y$

Now according to the question,

1st condition:

$$45/(x - y) = 4\frac{1}{2}$$

$$x - y = 45/4.5$$

$$x - y = 10 \dots\dots(1)$$

2nd condition:

$$45/(x + y) = 27/60$$

$$x + y = 100 \dots\dots(2)$$

Adding equations 1 and 2 :

$$2x = 110$$

$$x = 55 \text{ km/h}$$

Put the value of x in equation 1 :

$$55 - y = 10$$

$$y = 45$$

So, speed of the faster car i.e.  $x = 55 \text{ km/h}$

**Question 72 :**

Point M and N are on the sides PQ and QR respectively of a triangle PQR, right angled at Q. If  $PN = 9 \text{ cm}$ ,  $MR = 7 \text{ cm}$  and  $MN = 3 \text{ cm}$ , then find the length of PR (in cm).

**Difficulty : Moderate****Average Time : 73 Seconds****Options :**

1. 11

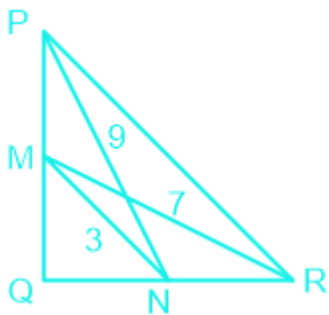
2. 13

3. 12

4. 41

**Solution :**

The correct answer is **option 1** i.e. **11**.



In triangle PQR :

$$(PR)^2 = (PQ)^2 + (QR)^2 \dots\dots(1)$$

In triangle PQN :

$$PN^2 = (PQ)^2 + (QN)^2$$

$$81 = (PQ)^2 + (QN)^2 \dots\dots(2)$$



In triangle MQR :

$$(MR)^2 = (MQ)^2 + (QR)^2$$

$$49 = (MQ)^2 + (QR)^2 \dots\dots(3)$$

In triangle MQN :

$$(MN)^2 = (MQ)^2 + (QN)^2$$

$$9 = (QN)^2 + (MQ)^2 \dots\dots(4)$$

Add equation 2 and 3

$$81 + 49 = (PQ)^2 + (QN)^2 + (MQ)^2 + (QR)^2$$

$$130 = (PQ)^2 + (QR)^2 + (QN)^2 + (MQ)^2$$

$$130 = (PR)^2 + 9$$

$$(PR)^2 = 130 - 9 = 121$$

$$PR = 11 \text{ cm}$$

**Question 73 :**

Find the sum of all the possible values of  $(a + b)$  , so that the number  $4a067b$  is divisible by 11.

Difficulty : Moderate

Average Time : 85 Seconds

**Options :**

1. 21
2. 11
3. 16
4. 5

**Solution :**

The correct answer is **option 1** i.e. **21**

If the alternating sum of the digits is zero or divisible by 11 or then the number is also divisible by 11.

$4a067b$

$$= (a + 6 + b) - (4 + 0 + 7) = 0 \text{ or } 11$$

$$= (a + b) - 5 = 0 \text{ or } 11$$

1st case :

$$a + b = 5$$

2nd case :

$$a + b - 5 = 11$$

$$a + b = 16$$

So, the sum of all possible values of  $a + b = 5 + 16 = 21$

**Question 74 :**

Find the value of  $\sin^2 60^\circ + \cos^2 30^\circ - \sin^2 45^\circ - 3\sin^2 90^\circ$ .

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

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

**Solution :**

The correct answer is **option 4** i.e. -2

$$\sin^2 60^\circ + \cos^2 30^\circ - \sin^2 45^\circ - 3\sin^2 90^\circ.$$

$$= \left(\frac{\sqrt{3}}{2}\right)^2 + \left(\frac{\sqrt{3}}{2}\right)^2 - \left(\frac{1}{\sqrt{2}}\right)^2 - 3 \times 1$$

$$= \frac{3}{4} + \frac{3}{4} - \frac{1}{2} - 3$$

$$= \frac{3}{2} - \frac{1}{2} - 3$$

$$= 1 - 3$$

$$= -2$$

**Question 75 :**

The bar graph given below shows the sales of Newspapers (in lakh number) from six branches of a Media Publication Company during two consecutive years 2017 and 2018 . (Note : The data shows below is only for mathematical exercise . They do not represent the actual figures). Sales of Total Sales of U for both the years is what percent (correct to one



place of decimal ) of the combined Sales of the branches Q and R for 2017 and 2018?

**Difficulty : Moderate**

**Average Time : 65 Seconds**

**Options :**

1. 48.6%
2. 67.1%
3. 44.4%
4. 41.0%

**Solution :**

The correct answer is **option 3** i.e. **44.4%**

Total Sales of U for both the years =  $80 + 100 = 180$

Total sales of Q and R both years =  $(85 + 85) + (105 + 130) = 405$

The required percentage =  $180/405 \times 100 = 44.4\%$

**Question 76 :**

Select the most appropriate meaning of the given idiom. Out of the blue

**Difficulty : Moderate**

**Average Time : 38 Seconds**

**Options :**

1. Beat someone black and blue
2. Loves to wear only blue colour clothes
3. Completely unexpectedly
4. Completely honestly

**Solution :**

The correct answer is **Option 3** i.e. **Completely unexpectedly**.

Idiom '**Out of the blue**' means '**without warning; unexpectedly**'.

For example: *One day, out of the blue, she announced that she was leaving.*

Therefore, the most appropriate meaning of the given idiom is '**completely unexpectedly**'

Hence, the correct answer is **Option 3** i.e. **Completely unexpectedly**.

**Question 77 :**

Select the most appropriate option to fill in the blank. It was \_\_\_\_\_ to everyone present that the patient would not survive if immediate help was not received.

**Difficulty : Moderate****Average Time : 57 Seconds****Options :**

1. **apparent**
2. unnoticed
3. hidden
4. unseen

**Solution :**

The correct answer is **Option 1** i.e. **apparent**.

The given sentence is talking everyone's clarity in the matter that patient would die if no immediate help is given to him.

Therefore, the most appropriate word for the given blank is '**apparent**' which means **able to be seen or understood; seeming to exist or be true**'.

Hence, the correct answer is **Option 1** i.e. **apparent**.

**Question 78 :**

Select the option that will improve the underlined part of the given sentence. In case no improvement is needed select 'No improvement required'. Bats huddle together to get warm of each other's body.

**Difficulty : Moderate****Average Time : 57 Seconds****Options :**

1. warm off
2. No improvement required
3. **warmth from**
4. warming from

**Solution :**

The correct answer is **Option 3** i.e. **warmth from**.

- The error lies in underlined part.
- In this sentence, we need a noun after the verb 'get.'

The meaning of the noun 'warmth' is the quality of being kind and friendly whereas the meaning of the adjective 'warm' is friendly, kind and pleasant.

- Therefore, we need to use the noun '**warmth**' after the verb.
- Moreover, the preposition 'of' needs to be changed to '**from**' as it used to show the reason for something.

The correct sentence is:- **Bats huddle together to get warmth from each other's bodies.**

Hence, the correct answer is **Option 3** i.e. **warmth from.**

### Question 79 :

Select the most appropriate meaning of the given idiom. Twiddling one's thumbs

Difficulty : Moderate

Average Time : 68 Seconds

### Options :

1. Feeling angry
2. Feeling sad
3. Feeling hungry
4. Feeling bored

### Solution :

The correct answer is **Option 4** i.e. **Feeling bored.**

Idiom '**Twiddling one's thumbs**' means '**be bored or idle**'.

For example: *There I sat for three hours, twiddling my thumbs, while he made call after call.*

Therefore, the most appropriate meaning of the given idiom is '**feeling bored**'.

Hence, the correct answer is **Option 4** i.e. **Feeling bored.**

### Question 80 :

Select the most appropriate synonym of the given word. Abstain

Difficulty : Moderate

Average Time : 51 Seconds

### Options :

1. Refrain
2. Reduce
3. Propose



Accept

**Solution :**

The correct answer is **Option 1** i.e. **Refrain**.

- The word '**Abstain**' means '**to not do something; restrain oneself from doing or enjoying something**'.
- The most appropriate synonym of the given word is '**Refrain**' which means '**stop oneself from doing something**'.

Hence, the correct answer is **Option 1** i.e. **Refrain**.

**Question 81 :**

The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. All those students / who are participating / in the play / have been notify / to stay back for rehearsal / after 3:00 p.m.

**Difficulty : Moderate**

**Average Time : 57 Seconds**

**Options :**

1. after 3:00 p.m.
2. to stay back for rehearsal
3. have been notify
4. who are participating

**Solution :**

The correct answer is **Option 3** i.e. **have been notify**.

- The error lies in option due to the wrong usage of tense.
- The sentence is in **present perfect tense**, so the third form of verb 'notify' will be used.
- Thus, the error part should be changed to '**have been notified**'.

The correct sentence is:- **All those students who are participating in the play have been notified to stay back for rehearsal after 3:00 p.m.**

Hence, the correct answer is **Option 3** i.e. **have been notify**.

**Question 82 :**

Select the most appropriate ANTONYM of the given word. Barbaric

**Difficulty : Moderate**

**Average Time : 61 Seconds**

**Options :**

Civilised

2. Cruel
3. Inhuman
4. Brutal

### Solution :

The correct answer is **Option 1** i.e. **Civilised**.

- The word '**Barbaric**' means '**extremely cruel and unpleasant**'.

For example: *She found the idea of killing animals for pleasure barbaric.*

- The most appropriate antonym of the given word is '**Civilised**' which means '**pleasant, comfortable, well-educated, or orderly**'.

Hence, the correct answer is **Option 1** i.e. **Civilised**.

### Question 83 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 49 Seconds

### Options :

1. Plough
2. Playful
3. Plagiarise
4. Playright

### Solution :

The correct answer is **Option 4** i.e. **Playright**.

The correct word is '**Playwright**' which means '**a person who writes plays**'.

All other words except '**Playright**' are correctly spelt.

Hence, the correct answer is **Option 4** i.e. **Playright**.

### Question 84 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. The news are true.



Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. are being true
2. No substitution
3. is being true
4. is true

Solution :

The correct answer is **Option 4** i.e. **is true**.

- The error lies in option 4.
- Uncountable nouns should be treated as singular, and thus should always be used with singular verbs to ensure correct subject-verb agreement.
- We use the uncountable noun news to mean 'information or reports about recent events'. It takes a singular verb.
- 'News' is a noun, which looks plural, but is used as 'singular'.
- Therefore, the use of 'are true' should be replaced by "**is true**" to make it grammatically correct.

The correct sentence is:- **The news is true**.

Hence, the correct answer is **Option 4** i.e. **is true**.

**Question 85 :**

Select the option that can be used as a one-word substitute for the given group of words. An examination of a dead body to determine the cause of death

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. Suicide
2. Post-mortem
3. Analysis
4. Homicide

Solution :

The correct answer is **Option 2** i.e. **Post-mortem**.

The word '**Post-mortem**' means '**a medical examination of a dead person's body in order to find out the cause of**





death'.

For example: *The disease can be confirmed only in a post-mortem.*

Hence, the correct answer is **Option 2** i.e. **Post-mortem**.

**Question 86 :**

Select the most appropriate synonym of the given word. Cadence

Difficulty : Moderate

Average Time : 46 Seconds

**Options :**

1. Pleasure
2. Freshness
3. Habit
4. Rhythm

**Solution :**

The correct answer is **Option 4** i.e. **Rhythm**.

- The word '**Cadence**' means '**a sequence of notes or chords comprising the close of a musical phrase**'.
- The most appropriate synonym of the given word is '**Rhythm**' which means '**a strong pattern of sounds, words, or musical notes that is used in music, poetry, and dancing**'.

Hence, the correct answer is **Option 4** i.e. **Rhythm**.

**Question 87 :**

The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. After entering the town, / go straight and then / take a sharpest turn / towards your left / to reach the mall.

Difficulty : Moderate

Average Time : 61 Seconds

**Options :**

1. take a sharpest turn
2. After entering the town
3. towards your left
4. to reach the mall

**Solution :**



The correct answer is **Option 1** i.e. **take a sharpest turn**.

- The error lies in option 1.
- We know that 'sharpest' is the superlative degree of the word 'sharp'.
- But in the given sentence, we do not need the superlative degree.
- Therefore, in the given sentence, the usage of "a sharpest turn" is incorrect instead we need to use "**a sharp turn**".

The correct sentence is:- **After entering the town, go straight and then take a sharp turn towards your left to reach the mall.**

Hence, the correct answer is **Option 1** i.e. **take a sharpest turn**.

**Question 88 :**

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. Shopkeeper: "Not at all. It is hardly a two-minute walk from here." B. Boy: "Can you please show me the way to the post office?" C. Shopkeeper: "Go straight from here and take a right turn." D. Boy: "Is it very far off from here?"

Difficulty : Moderate

Average Time : 83 Seconds

**Options :**

1. BADC
2. BCDA
3. DCBA
4. CDAB

**Solution :**

The correct answer is **Option 2** i.e. **BCDA**.

While arranging the parts of the passage, we should find some grammatical or contextual connections between them. Also, the first sentence of a passage is usually independent and introduces a topic. The second one provides more information about it.

Steps to arrange the sentences in the correct order to form a meaningful and coherent paragraph:

- Sentence B is the independent sentence as the boy is asking the way to the post office. So, **sentence B** is the first sentence after rearrangement.
- Sentence C is talking about the reply given by the shopkeeper to the boy. Hence, **sentence C follows sentence B**.
- **Sentence D** is talking about the another question asked by the boy should come after sentence C, to maintain continuity on the topic.
- **Sentence A** is the **concluding statement** of the passage.



Thus, the correct order after rearrangement is **option 2** i.e. **BCDA**.

The paragraph is: **Boy: "Can you please show me the way to the post office?" Shopkeeper "Go straight from here and take a right turn." Boy: "Is it very far off from here?" Shopkeeper: "Not at all. It is hardly a two-minute walk from here."**

Hence, the correct answer is **Option 2** i.e. **BCDA**.

**Question 89 :**

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 96 Seconds

**Options :**

1. Nephew
2. Cousin
3. Neice
4. Uncle

**Solution :**

The correct answer is **Option 3** i.e. **Neice**.

The correct word is '**Niece**' which means '**a daughter of one's brother or sister, or of one's brother-in-law or sister-in-law**'.

All other words except '**Neice**' are correctly spelt.

Hence, the correct answer is **Option 3** i.e. **Neice**.

**Question 90 :**

Select the option that expresses the given sentence in active voice. I was given a robot by him.

Difficulty : Moderate

Average Time : 48 Seconds

**Options :**

1. A robot was given to me by him.
2. He gave me a robot.
3. A robot by him was given to I.
4. A robot by him was given to me.

**Solution :**

The correct answer is **Option 2** i.e. **He gave me a robot.**

Passive form: **I was given a robot by him.**

- In the given sentence, '**was + V<sub>3</sub> i.e. given**' has been used, which implies that the active form should contain '**V<sub>2</sub> i.e. gave**'.
- Now, simply exchange the places of the subject and the object. The subject should become the object and vice-versa while changing a sentence from Active to Passive voice or reverse.
- Remove the word 'by' when converting into active form.
- Lastly, the pronoun 'I' will be changed to '**me**' and the pronoun '**him**' will be changed to '**he**' when converting into active form.

The active form will be: **He gave me a robot.**

Hence, the correct answer is **Option 2** i.e. **He gave me a robot.**

**Question 91 :**

Select the most appropriate ANTONYM of the given word. Delight

Difficulty : Moderate

Average Time : 82 Seconds

**Options :**

1. Sorrow
2. Pleasure
3. Glee
4. Joy

**Solution :**

The correct answer is **Option 1** i.e. **Sorrow.**

- The word '**Delight**' means '**(something or someone that gives) great pleasure, satisfaction, or happiness**'.

For example: *The children squealed in delight when they saw all the presents under the Christmas tree.*

- The most appropriate antonym of the given word is '**Sorrow**' which means '**(a cause of) a feeling of great sadness**'.

Hence, the correct answer is **Option 1** i.e. **Sorrow.**

**Question 92 :**

Select the option that expresses the given sentence in reported speech. He said to me, "It was raining all day."



Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. He told me that it had been raining all day.
2. He told me it is raining all day.
3. He told me it has been raining all day.
4. He told me it was raining all day.

Solution :

The correct answer is **Option 1** i.e. **He told me that it had been raining all day.**

The given sentence is in direct speech, to convert this sentence into indirect speech we need to follow the following points:

- Inverted commas will get omitted and 'that' will be used.
- The reporting verb 'said to' will change to 'told'.
- In the reporting speech, the tense i.e past continuous tense 'was raining' will be changed to past perfect continuous tense 'had been raining' when converting into indirect speech.

After following these steps, we got the indirect speech as: **He told me that it had been raining all day.**

Hence, the correct answer is **Option 1** i.e. **He told me that it had been raining all day.**

Question 93 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. Ram introduced Shyam to everyone and then served snacks to them. B. After he cut the cake, all of them danced for a long time. C. When Shyam reached his house, his classmates had already arrived. D. Ram invited his friend Shyam on his birthday.

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. DCAB
2. DBAC
3. ABCD
4. ACDB

Solution :

The correct answer is **Option 1** i.e. **DCAB.**



While arranging the parts of the passage, we should find some grammatical or contextual connections between them. Also, the first sentence of a passage is usually independent and introduces a topic. The second one provides more information about it.

Steps to arrange the sentences in the correct order to form a meaningful and coherent paragraph:

- Sentence D is the independent sentence as the sentence is telling that Ram has invited Shyam to his house on his birthday. So, **sentence D** is the first sentence after rearrangement.
- Sentence C is talking about the arrival of Ram's friend Shyam. Hence, **sentence C follows sentence D**.
- **Sentence A** is talking about the introduction of Shyam to everyone should come after sentence C, to maintain continuity on the topic.
- **Sentence B** is the **concluding statement** of the passage.
- Thus, the correct order after rearrangement is **option 1** i.e. **DCAB**.

The paragraph is: **Ram invited his friend Shyam on his birthday. When Shyam reached his house, his classmates had already arrived. Ram introduced Shyam to everyone and then served snacks to them. After he cut the cake, all of them danced for a long time.**

Hence, the correct answer is **Option 1** i.e. **DCAB**.

**Question 94 :**

Select the most appropriate option to fill in the blank. Crowds of tourists \_\_\_\_\_ across the square all day long.

Difficulty : Moderate

Average Time : 98 Seconds

**Options :**

1. rectified
2. prodded
3. flowed
4. maintained

**Solution :**

The correct answer is **Option 3** i.e. **flowed**.

The phrase '**flow across (something)**' means '**To move across something; to stream or glide across something**'.

For example: *So far price rises in commodities and other materials used in production have not flowed through to consumers.*

Therefore, the most appropriate word for the given blank is '**flowed**'.

Hence, the correct answer is **Option 3** i.e. **flowed**.

**Question 95 :**

Select the option that can be used as a one-word substitute for the given group of words. A person who presents a radio/television programme

**Difficulty : Moderate****Average Time : 56 Seconds****Options :**

1. Comedian
2. Choreographer
3. Actor
4. Anchor

**Solution :**

The correct answer is **Option 4** i.e. **Anchor**.

The word '**Anchor**' means '**a broadcaster (as on a news program) who introduces reports by other broadcasters and usually reads the news**'.

Hence, the correct answer is **Option 4** i.e. **Anchor**.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. John was an artist (1)\_\_\_\_\_ profession. He was very (2)\_\_\_\_\_ at his work and could (3)\_\_\_\_\_ any subject he could think of, but circumstances forced him to (4)\_\_\_\_\_ in (5)\_\_\_\_\_ the work of renowned artists.

**Question 96 :**

Select the most appropriate option to fill in blank number 1.

**Difficulty : Moderate****Average Time : 59 Seconds****Options :**

1. off
2. by
3. about
4. from

**Solution :**

The correct answer is **Option 2** i.e. **by**.

- The given blank need to be filled with appropriate preposition.
- The most appropriate preposition for the given blank is '**by**'.
- Use of preposition '**by**':
  1. Used to indicate proximity.
  2. Used to indicate the person that does something in a passive voice sentence.
  3. Used to indicate an action with a particular purpose.
  4. Used to indicate a mean or method.

Hence, the correct answer is **Option 2** i.e. **by**.

### Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. John was an artist (1)\_\_\_\_\_ profession. He was very (2)\_\_\_\_\_ at his work and could (3)\_\_\_\_\_ any subject he could think of, but circumstances forced him to (4)\_\_\_\_\_ in (5)\_\_\_\_\_ the work of renowned artists.

### Question 97 :

Select the most appropriate option to fill in blank number 2.

Difficulty : Moderate

Average Time : 73 Seconds

### Options :

1. better
2. best
3. good
4. richer

### Solution :

The correct answer is **Option 3** i.e. **good**.

- An adjective or adverb that does not make a comparison is said to be in the positive degree. It is just used to state the quality possessed by a particular noun or pronoun that acts as the subject in a sentence.
- We use very before adverbs and adjectives to add emphasis.
- The most appropriate adjective for the given blank is '**good**' which is in positive degree.

Hence, the correct answer is **Option 3** i.e. **good**.

### Comprehension :





In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. John was an artist (1)\_\_\_\_\_ profession. He was very (2)\_\_\_\_\_ at his work and could (3)\_\_\_\_\_ any subject he could think of, but circumstances forced him to (4)\_\_\_\_\_ in (5)\_\_\_\_\_ the work of renowned artists.

**Question 98 :**

Select the most appropriate option to fill in blank number 3.

Difficulty : Moderate

Average Time : 73 Seconds

**Options :**

1. plant
2. plaintive
3. paint
4. painted

**Solution :**

The correct answer is **Option 3** i.e. **paint**.

As the subject is an artist, therefore the verb should be '**paint**.'

The use of the modal verb 'could' before the given blank denoted the use of the **base form of the verb**.

Hence, the correct answer is **Option 3** i.e. **paint**.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. John was an artist (1)\_\_\_\_\_ profession. He was very (2)\_\_\_\_\_ at his work and could (3)\_\_\_\_\_ any subject he could think of, but circumstances forced him to (4)\_\_\_\_\_ in (5)\_\_\_\_\_ the work of renowned artists.

**Question 99 :**

Select the most appropriate option to fill in blank number 4.

Difficulty : Moderate

Average Time : 63 Seconds

**Options :**

1. socialize
2. sanctify



specialize

4. synthesize

**Solution :**

The correct answer is **Option 3** i.e. **specialize**.

- The given blank is talking about the particularization of the artist which circumstances forced him to do.
- The most appropriate word for the given blank is '**specialize**' which means '**to give most of your attention to one subject, type of product. etc.**'.

Hence, the correct answer is **Option 3** i.e. **specialize**.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. John was an artist (1)\_\_\_\_\_ profession. He was very (2)\_\_\_\_\_ at his work and could (3)\_\_\_\_\_ any subject he could think of, but circumstances forced him to (4)\_\_\_\_\_ in (5)\_\_\_\_\_ the work of renowned artists.

**Question 100 :**

Select the most appropriate option to fill in blank number 5.

**Difficulty : Moderate**

**Average Time : 66 Seconds**

**Options :**

1. duplicating
2. dominating
3. doubting
4. doubling

**Solution :**

The correct answer is **Option 1** i.e. **duplicating**.

- The given blank is talking about copying the work of renowned artists.
- Therefore, the most appropriate word for the given blank is '**duplicating**' which means '**to make an exact copy of something**'.

Hence, the correct answer is **Option 1** i.e. **duplicating**.

## Ssc Cgl Tier I Previous Year Question Paper

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## Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-24 in the Afternoon exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Logical Reasoning, 25 questions were asked from Quantitative Aptitude, 25 questions were asked from General Awareness and 25 questions were asked from English Language
4. 37 questions should have been skipped if you were short of time.

## Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

### Logical Reasoning

1. Coding Decoding - 2
2. Analogy - 5
3. Classification - 3
4. Blood Relations - 1
5. Syllogism - 1
6. Venn Diagrams - 1
7. Analytical Reasoning - 1
8. Dictionary Based - 1
9. Figure Based - 4
10. Series - 3
11. Mathematical Reasoning - 2
12. Cubes And Dice - 1

### Quantitative Aptitude

1. Simplification - 1
2. Percentage - 1
3. Data Interpretation - 4
4. Time And Work - 1
5. Time Speed And Distance - 1
6. Interest - 1
7. Ratios And Proportion - 1
8. Geometry - 2

- Trigonometry - 3
- 10. Mensuration - 2
- 11. Algebra - 3
- 12. Number System - 2
- 13. Quadratic Equation - 1
- 14. Profit And Loss - 2

## General Awareness

- 1. GK Misc - 24
- 2. Current Affairs - 1

## English Language

- 1. Reading Comprehension - 25

# Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks



1. Try to solve Ssc Cgl Tier I Previous Year Question Paper without taking any help from the solutions.
2. Ssc Cgl Tier I Previous Year Question Paper require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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Know Your City  
Know Your Leader  
Books And Authors  
Daily Vocabulary  
Daily Editorial  
Latest Notifications  
Exam Dates  
Admit Card  
Exam Results  
Exam Cutoff  
Exam Eligibility  
Exam Pattern  
Answer Key  
Important Days



## Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Ssc Cgl Tier I Previous Year Question Paper. She has guided her team to provide the best explanation for the question.