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 2022-12-01 in the Morning 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.

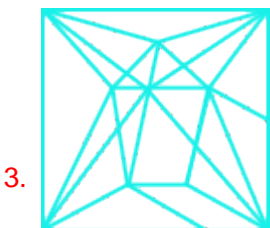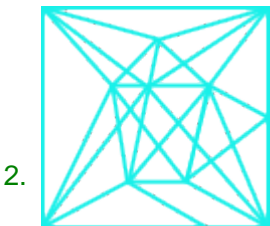# Ssc Cgl Tier I Previous Year Question Paper : Questions and Solutions
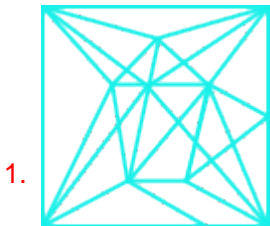
Question 1 :
Select the option in which the given figure is embedded (rotation is Not allowed)

Difficulty : Moderate   **Average Time : 42 Seconds**

Options :

1.

2.

3.

4.

Solution :
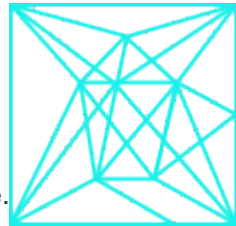
The correct answer is **Option 2** i.e. .

The figure in option 2 is embedded in the given figure, as shown below:

.

Question 2 :
Select the set in which the numbers are related in the same way as are the numbers of the following set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)
(3, 14, 1) (4, 36, 2)

Difficulty : Moderate   **Average Time : 70 Seconds**

Options :

1. (8, 12, 2)

2. (5, 81, 4)

3. (7, 40, 3)

4. (8, 260, 2)

Solution :
The correct answer is **Option 4** i.e. **(8, 260, 2).**

The logic used here is:

(3, 14, 1)

$(3^3 + 1^3) \div 2 = (27 + 1) \div 2 = 28 \div 2 = 14$

(4, 36, 2)

$(4^3 + 2^3) \div 2 = (64 + 8) \div 2 = 72 \div 2 = 36$

Similarly,

(8, 260, 2)

$(8^3 + 2^3) \div 2 = (512 + 8) \div 2 = 520 \div 2 = 260$

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

Question 3 :
In the triangle ABC, AB = 12 cm and AC = 10 cm and BAC =60°. What is the value of the length of side BC?

Difficulty : Moderate   **Average Time : 51 Seconds**

Options :
1. 10 cm

2. 7.13 cm

3. 13.20 cm

4. 11.13 cm

Solution :
The correct answer is **Option 4** i.e. **11.13 cm.**

Here we have to find the side BC, which is opposite to A,

Then by law of cosines,

$BC^2 = AB^2 + AC^2 - 2 \times AB \times AC \times \cos A$

$BC^2 = 12^2 + 10^2 - 2 \times 12 \times 10 \times 1/2$

$BC^2 = 244 - 120 = 124$

BC = 11.13 cm (approx.)

Question 4 :

How many spherical lead shots each of diameter 8.4 cm can be obtained from a rectangular solid of lead with dimenson88 cm, 63 cm, 42 cm

Difficulty : Moderate   **Average Time : 55 Seconds**

Options :

1. 920
2. 750
3. 650
4. 860

Solution :

The correct answer is **Option 2**. i.e. **750**.

Diameter of the lead shot = 8.4 cm

Radius of the lead shot = 8.4 / 2 = 4.2 cm

Number of spherical lead shots = (Volume of the rectangular solid / Volume of the lead shot)

Number of spherical lead shots = $\left (\frac{length\times breadth\times height}{\frac{4}{3}\pi r^{3}}\right)$

Number of spherical lead shots = $\left (\frac{88\times 63\times 42}{\frac{4}{3}\pi (4.2)^{3}}\right)$

Number of spherical lead shots = $\frac{232848}{310.464}$

Number of spherical lead shots = 750

Question 5 :
The table given below shows the number of spoon manufactured by five factories. What are the ratio of number of spoon manufactured by P to the number of spoon manufactured by R?

Difficulty : Moderate   **Average Time : 60 Seconds**

Options :

1. 3 : 2
2. 2 : 3
3. 14 : 1
4. 1 : 3

Solution :

The correct answer is **Option 2.** i.e. **2 : 3.**

Ratio = 100 : 150

Ratio = $\frac{50\times 2}{50\times 3}$

Ratio = 2:3

Question 6 :
The value of tan2 + cot2   sec2 cosec2 is:

Difficulty : Moderate

Average Time : 36 Seconds

Options :
1. 2
2. -2
3. 0
4. 1/2

Solution :
The correct answer is **Option 2** i. e. **2.**

$\tan^{2} + \cot^{2} \sec^{2} \cosec^{2}$

= $\tan^{2}\theta +\cot^{2}\theta -\left(1+\tan^{2}\theta \right)\left(1+\cot^{2} \theta \right)$

= $\tan^{2}\theta +\cot^{2}\theta -\left(1+\tan^{2}\theta +\cot^{2}\theta +\tan^{2}\theta \cot^{2}\theta \right)$

= $\tan^{2}\theta +\cot^{2}\theta -1 - \tan^{2}\theta -\cot^{2}\theta -\tan^{2}\theta \cot^{2}\theta$

= $-1-\tan^{2}\theta \cot^{2}\theta$

= $-1-1$

= -2

Question 7 :
A dishonest merchant sells goods at a 12.5% loss on the cost price, but uses 28 g weight instead of 36 g. What is his percentage profit or loss?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. 6.25% loss

2. 12.5% gain

3. 18.75% gain

4. 10.5% loss

Solution :

The correct answer is **Option 2**. i.e. **12.5% gain**.

Percentage gain by using 28 g weight instead of 36 g = $\frac{36-28}{28} \times 100=\frac{200}{7} \%$

Percentage loss = 12.5%

Considering 12.5% loss as -12.5% profit,

Now, the final percentage profit/loss = $\frac{200}{7}-12.5-\frac{\frac{200}{7} \times 12.5}{100}=+12.5 \%$

His percentage profit is 12.5%

Question 8 :

After interchanging the given two numbers and two signs what will be the values of equations (I) and (II) respectively? × and +, 3 and 9 I. 7 × 9 - 8 ÷ 2 + 3 II. 4 × 9 - 3 + 8 ÷ 2

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 0, 1

2. -26, -29

3. 6, 0

4. 12, 13

5. -26, -29

Solution :

The correct answer is **Option 2** i.e. **-26, -29.**

Given equation:

I. $7 \times 9 - 8 \div 2 + 3$

II. $4 \times 9 - 3 + 8 \div 2$

Given conditions: $\times$ and $+$, 3 and 9

After interchanging the expression becomes:

I. $7 + 3 - 8 \div 2 \times 9$

$= 7 + 3 - 4 \times 9$

$= 7 + 3 - 36$

$= 10 - 36$

$= -26$

II. $4 \times 9 - 3 + 8 \div 2$

$= 4 + 3 - 9 \times 8 \div 2$

$= 4 + 3 - 9 \times 4$

$= 4 + 3 - 36$

$= 7 - 36$

$= -29$

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

Question 9 :
In a certain code language, 'BEHOLD' is written as 'BDEHLO', and 'INDEED' is written as 'DDEEIN'. How will 'COURSE' be written in that language?

Difficulty : Moderate   **Average Time : 63 Seconds**

Options :

1. CEROSU

2. CEORUS

3. CEOSUR

4. CEORSU

Solution :

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

The logic used here is:

Letters of the word are arranged in the ascending order of the English Alphabetical series.

'BEHOLD' is written as 'BDEHLO'

BEHOLD = BDEHLO

'INDEED' is written as 'DDEEIN'

INDEED = DDEEIN

Similarly;

Code for the word COURSE:

COURSE = CEORSU

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

Question 10 :
Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.) Library: Books:: Museum:?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Building

2. Artefacts

3. People

4. Gallery

5. Artefacts

Solution :

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

The logic used here is:

Library: Books

Books are kept in a library.

Similarly,

Museum:?

Artefacts are kept in a museum.

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

Question 11 :
Which of the following numbers will replace the question mark (?) in the given series? 382, 322, 272, 232, 202,?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 168
2. 150
3. 182
4. 132

Solution :

The correct answer is **Option 3** i.e. **182.**

Given series: 382, 322, 272, 232, 202,?

The series follows this pattern:

382 - 60 = 322

322 - 50 = 272

272 - 40 = 232

232 - 30 = 202

202 - 20 = 182

So, the next term in the series is **182.**

Question 12 :
Select the correct combination of mathematical signs to replace the * signs and balance the given equation. 21 * 4 * 156 * 13 * 11 = 83

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. , ÷, ×, +
2. ×, +, ÷,
3. ×, , ÷, +
4. +, ÷, , ×

Solution :

The correct answer is **Option 3** i.e. **×, , ÷, +.**

Given equation: 21 * 4 * 156 * 13 * 11 = 83

Option 1: , ÷, ×, +

After interchanging the expression becomes:

= 21 - 4 ÷ 156 × 13 + 11 = 83

= 31.66 is not equal to 83.

Option 2: ×, +, ÷,

After interchanging the expression becomes:

= 21 × 4 + 156 ÷ 13 - 11 = 83

= 85 is not equal to 83.

Option 3: ×, , ÷, +

After interchanging the expression becomes:

= 21 × 4 - 156 ÷ 13 + 11 = 83

= 83 is equal to 83.

As we have found our answer, so, there is no need of checking other options.

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

Question 13 :
Which of the following letter clusters will replace the question mark (?) in the given series? PK, GT, XC, OL,?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. GT

2. HS

3. EV

4. FU

Solution :

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

Given series: PK, GT, XC, OL,?

The series follows this pattern:

1. PK, XC,?

P + 8 = X

K - 8 = C

X + 8 = F

C - 8 = U

2. GT, OL

G + 8 = O

T - 8 = L

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

Question 14 :
Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

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

Options :

1. HGF

2. RQP

3. UVW

4. LKJ

Solution :

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

The logic used here is:

1st letter - 1 = 2nd letter

2nd letter - 1 = 3rd letter

Option 1: HGF

H - 1 = G

G - 1 = F

This follows the logic.

Option 2: RQP

R - 1 = Q

Q - 1 = P

This follows the logic.

Option 3: UVW

U - 1 = T

T - 1 = S

This does not follow the logic.

Hence, **option 3** is the odd one out.

Question 15 :
Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word) Phone: Talk:: Television:?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. Remote

2. View

3. Read

Channel

Solution :

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

The logic used here is:

Phone: Talk

Phone is used for talking.

Similarly,

Television:?

Television is viewed for watching.

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

Question 16 :
Select the cube that can be formed by folding the given sheet along the lines.

Difficulty : Moderate   **Average Time : 43 Seconds**

Options :

1. None are possible

2. Only A and B

3. Only C and D

4. Only A

Solution :

The correct answer is **Option 4** i.e. **Only A.**

After folding the sheet along the lines, the opposite pairs are:

6 is opposite to 2.

3 is opposite to 4.

1 is opposite to 5.

In Figure A, none of the opposite pairs are adjacent to each other. So, only cube A can be formed.

In Figures B, C, and D, the opposite pairs are adjacent to each other, so none of them can be formed.

Question 17 :

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

Difficulty : Moderate   **Average Time : 54 Seconds**

Options :

1. M↑4ƧꓘƧ⅃B

2. ⅃MↃↃƧꓘƧ↑B

3. $$\frac{31.8 \div 0.6 + 27}{4.88 \div 6.1 \times 2.5} + \sqrt{30.8 \div 4.4 \times 28} = ?$$ ↑MↃↃƧꓘƧ⅃B

4. ⅃MↃↃƧꓘƧ⅃B

Solution :

The correct answer is **Option 1** i.e. M↑4ƧꓘƧ⅃B

The mirror image of the question figure is shown below:

BLZK541M | M↑4ƧꓘƧ⅃B

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.

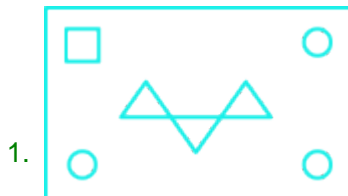Hence, **option 1** is the correct answer.

Question 18 :

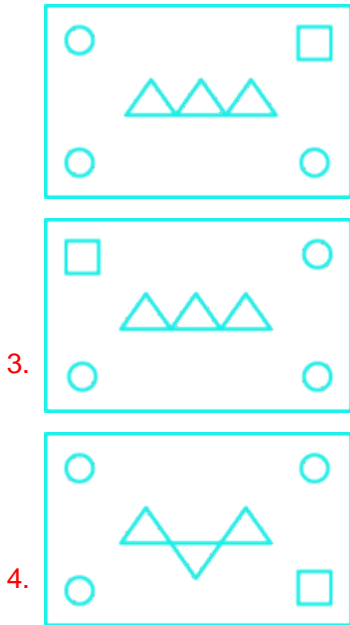Select the figure that will replace the question mark (?) in the following figure series.

Difficulty : Moderate   **Average Time : 74 Seconds**

Options :

1.

2.

3.

4.

Solution :

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

The logic used here is:

1. The circle and the square are rotating in a clockwise direction.

2. In the triangle series, the middle triangle is getting flipped vertically.

The series of figures is:
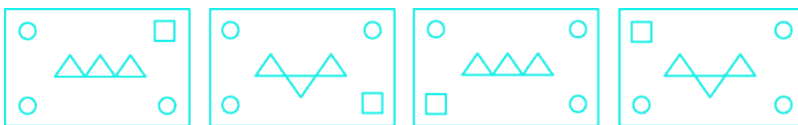
Hence, the correct answer is **option 1.**

Question 19 :
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 cards are boxes. All boxes are torches. All torches are shoes. Conclusions: I. All shoes are torches. II. All torches are boxes. III. All boxes are cards. IV. All cards are shoes.

Difficulty : Moderate

Average Time : 87 Seconds

Options :

1. Only conclusion IV follows

2. Only conclusions II and III follow

3. Only conclusions I and II follow

4. Only conclusion III follows

Solution :

The correct answer is **Option 1** i.e. **Only conclusion IV follows.**

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

Conclusions:

I. All shoes are torches **False** (It is possible, but no definite conclusion can be drawn.)

II. All torches are boxes **False** (It is possible, but no definite conclusion can be drawn.)

III. All boxes are cards **False** (It is possible, but no definite conclusion can be drawn.)

IV. All cards are shoes **True** (As all cards are boxes, all boxes are torches, and all torches are shoes, so all cards are shoes.)

Hence, **Only conclusion IV follows.**

Question 20 :
In a certain code language, FRUCTUS is coded as 108, and SPRINTER is coded as 119. How will MASCULINE be coded in that language?

Difficulty : Moderate

Average Time : 81 Seconds

Options :

   96

2. 99

3. 97

4. 98

Solution :

The correct answer is **Option 3** i.e. **97.**

The logic used here is:

FRUCTUS is coded as 108

FRUCTUS = 6 + 18 + 21 + 3 + 20 + 21 + 19 = 108

SPRINTER is coded as 119

SPRINTER = 19 + 16 + 18 + 9 + 14 + 20 + 5 + 18 = 119

Similarly;

Code for the word MASCULINE:

MASCULINE = 13 + 1 + 19 + 3 + 21 + 12 + 9 + 14 + 5 = 97

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

Question 21 :
In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. All W are S. II. No D is W. Conclusion: I. Some S are W. II. All S are D. III. No W is D.

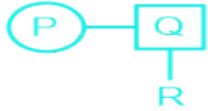**Difficulty : Moderate**   **Average Time : 61 Seconds**

Options :

1. Only conclusion III follows

2. Both conclusions I and III follows

3. Both conclusions I and II follows

4. All conclusion follows

Solution :

The correct answer is **Option 2** i.e. **Both conclusions I and III follows.**

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

Conclusions:

I. Some S are W **True** (As all W are S, so, some S are W is also true.)

II. All S are D **True** (As all labours are athletes and some doctors are labours, so, some athletes are doctors is also true).

III. No W is D **True** (As no D is W, so no W is D is also true.)

Hence, **Both conclusions I and III follows.**

Question 22 :
A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. NMRQ, NDZG, NUHW, NLPM,?

Difficulty : Moderate   **Average Time : 77 Seconds**

Options :
1. NQRC
2. NCXC
3. NHMH
4. MQRQ

Solution :
The correct answer is **Option 2** i.e. **NCXC.**

Given series: NMRQ, NDZG, NUHW, NLPM,?

The series follows this pattern:

N(14) = N(14),

M(13) - 9 = D(4),

R(18) + 8 = Z(26),

Q(17) - 10 = G(7)

Similarly,

N(14) = N(14),

L(12) - 9 = C(3),

P(16) + 8 = X(24),

M(13) - 10 = C(3)

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

Hence, the correct answer is **NCXC.**

Question 23 :
Which figure should replace the question mark (?) if the series were to be continued?

Difficulty : Moderate   **Average Time : 52 Seconds**

Options :

1.
2	V	9
	T	
O	B	6

2.
B	6	2
	V	
9	T	O

3.
V	O	B
	2	
6	9	T

4.
T	9	6
	O	
B	2	V

Solution :

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

Page No: 19

2	V	9
	T	
O	B	6

Logic: Adding all digits to get the centre number 1 + 6 + 4 + 9 = 20(T)

All letters and digits are rotating clockwise except the letter present on the middle line, middle line letters are interchange position by themselves only. Like B and Interchange position for next.

4	B	V	V	T	O	T	O	6	6	2	V	2	V	9
	I			6			4			9			T	
2	T	O	4	B	2	B	2	V	T	O	B	O	B	6

Hence, option 1 is the correct answer.

Question 24 :
Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number. 19: 324:: 25: 576:: 9:?

Difficulty : Moderate   **Average Time : 77 Seconds**

Options :
1. 16
2. 64
3. 88
4. 72

Solution :
The correct answer is **Option 2**. i.e. **64.**

The logic used here is:

19: 324

19 - 1 = 18

18^2 = 324

25: 576

25 - 1 = 24

$24^2 = 576$

Similarly,

9:?

9 - 1 = 8

$8^2 = 64$

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

Question 25 :
After arranging the given words according to dictionary order, which word will come at the 'Fifth' position? 1. Popular 2. Population 3. Populace 4. Pope 5. Poppy

Difficulty : Moderate   **Average Time : 46 Seconds**

Options :

1. Population
2. Poppy
3. Popular
4. Populace

Solution :
The correct answer is **Option 1**. i.e. **Population.**

In this question, you need to arrange the words as they would appear in the English dictionary and then find the word which will come in the fifth position.

1. Pope

2. Poppy

3. Populace

4. Popular

5. Population

Hence, the word that comes in the fifth position is 'Population'.

Question 26 :
Select the set in which the numbers are related in the same way as the numbers of the following sets. (NOTE: Operations

should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed) (20, 6, 4) (24, 7, 5)

Difficulty : Moderate   **Average Time : 61 Seconds**

Options :

1. (65, 9, 4)
2. (22, 5, 2)
3. (40, 8, 5)
4. (42, 7, 3)

Solution :

The correct answer is **Option 1.** i.e. **(65, 9, 4).**

The logic used here is:

(20, 6, 4)

$6^2 - 4^2 = 36 - 16 = 20$

(24, 7, 5)

$7^2 - 5^2 = 49 - 25 = 24$

Similarly,

(65, 9, 4)

$9^2 - 4^2 = 81 - 16 = 65$

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

Question 27 :
A # B means 'A is the sister of B' A @ B means 'A is the daughter of B' A & B means 'A is the husband of B' A % B means 'A is the father of B' If A % B & C # D @ E, then how is B related to E?

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

Options :

1. Brother
2. Son-in-law

Father
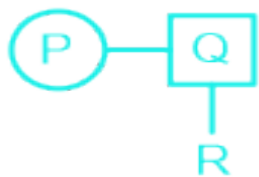
4. Son

Solution :

The correct answer is **Option 2.** i.e. **Son-in-law.**

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 tree, B is the son-in-law of E.

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

Question 28 :

If A × B means that A is the brother of B, A – B means that A is the sister of B, A + B means that A is the father of B. Then which of the following expression shows that P is the paternal aunt of R?

Difficulty : Moderate   **Average Time : 63 Seconds**

Options :

1. P - Q × R

2. P - Q + R

3. P × Q + R

4. P + Q - R

Solution :

The correct answer is **Option 2.** i.e. **P - Q + R.**

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.

Option 1: Q + P × R

Page No: 23

Option 2: P + Q × R
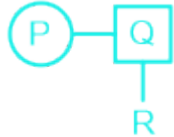
From figure 2, P is the paternal aunt of R.

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

Question 29 :
Select the odd group of numbers. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

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

Options :

1. (7 – 343 – 331)

2. (6 – 216 – 206)

3. (5 – 125 – 115)

4. (4 – 64 – 54)

Solution :
The correct answer is **Option 1.** i.e. **(7 – 343 – 331).**

The logic used here is:

$(1st\ number)^3$ = 2nd number

2nd number - 10 = 3rd number

Option 1: (7 – 343 – 331)

7^3 = 343

343 - 10 = 333

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

Question 30 :
The term 'Back-stick' is used in which of the following games/sports?

Difficulty : Moderate

Average Time : 46 Seconds

Options :
1. Basketball
2. Badminton
3. Hockey
4. Volleyball

Solution :
The correct answer is **Option 3.** i.e. **Hockey.**

Term 'Back-stick' is a type of foul used in **Hockey.**

The back stick is a foul shot in which a player hits the ball with the round face of the stick in field hockey. Players cannot legally use both sides of the stick hockey while playing to hit the ball. Players can only hit the ball with the flat side of the stick.

- The five main types of fouls in field hockey are obstruction, back sticks, rough and dangerous play, touching the ball with your body, and undercutting. Each foul will result in a penalty as decided by the umpire. Rough and dangerous play is the one foul that may result in an immediate red card penalty and the possible ejection from the game.
- Hockey players need to pass or dribble the ball only with their stick and move it towards the opposite goal. And to score a goal, a shot can only be taken from inside the striking circle.

Question 31 :
Which of the following festivals in Punjab is celebrated to commemorate the formation of the Khalsa Panth?

Difficulty : Moderate

Average Time : 79 Seconds

Options :
1. Lohri
2. Hola Mohalla
3. Teej
4. Baisakhi

Solution :

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

The festival celebrated in Punjab commemorates the formation of the Khalsa Panth of warriors under Guru Gobind Singh in 1699 to mark the formation of Khalsa Panth is **Baisakhi** the occasion.

- It is a spring harvest festival that is majorly celebrated in the northern states of Punjab and Haryana.
- Baisakhi is among the three Hindu festivals that were chosen by the third Sikh Guru, Guru Amar Das, to be celebrated by Sikhs. It is one of the most important festivals for Sikhs and is celebrated with great enthusiasm.
- In Punjab, farmers start harvesting on this day with great fanfare. Villagers perform the 'Bhangra' folk-dance.

Question 32 :

What theme was decided to celebrate the second 'International Day of Yoga' in India?

Difficulty : Moderate	Average Time : 64 Seconds

Options :

1. Yoga for the achievement of the Sustainable Development Goals

2. Yoga for Peace

3. Yoga for Wellness

4. Yoga for Heart

Solution :

The correct answer is **Option 1.** i.e. **Yoga for the achievement of the Sustainable Development Goals.**

The second International Day of Yoga was held in 2016 around the theme ' **Yoga for the achievement of the Sustainable Development Goals**. ' Hon'ble Prime Minister Shri Narendra Modi led a mass Yoga demonstration at Chandigarh.

- The International Day of Yoga has been celebrated across the world annually on June 21 since 2015, following its inception in the United Nations General Assembly in 2014.
- **Main aim to highlight the importance of Yoga and its benefits on our mind and body**.
- Third International Day of Yoga was held on 2017 the 'Yoga for Health' theme.
- 5th International Day of Yoga was held in Ranchi, Jharkhand on 2019 theme of the 5th IDY was 'Yoga for Heart'.
- 4th International Day of Yoga was held in Dehradun, Uttarakhand .Theme of the 4th IDY was 'Yoga for Peace.'
- The theme of the 7th International Day of Yoga-2021 was 'Yoga for Wellness' which highlighted the important role of Yoga for overall well-being.

Question 33 :

Chemical formula of quick lime is _____.

Difficulty : Moderate **Average Time : 85 Seconds**

Options :

1. CaO

2. CO2

3. CaCO3

4. Ca(OH)2

Solution :

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

CaO is the correct chemical formula for quick lime.Calcium oxide, commonly known as quicklime or burnt lime, is a widely used chemical compound. It is a white, caustic, alkaline, crystalline solid at room temperature.

- When calcium reacts with water it is called calcium hydroxide. **When it is in pure state** it is called calcium oxide or Quicklime.

Additional information-

1. CO2 - Carbon dioxide is a chemical compound made up of molecules that each have one carbon atom covalently double bonded to two oxygen atoms. It is found in the gas state at room temperature, and as the source of available carbon in the carbon cycle, atmospheric CÔ,, is the primary carbon source for life on Earth.

2. CaCO3 - **Calcium Carbonate** is the carbonic salt of calcium (CaCO3).makes up almost five percent of the earth's crust and is found all throughout the planet. **Calcium carbonate's most common natural forms are limestone and marble**.

- [e.g. **CaCO3(s) CaO(s) + CO2(g)** Decomposition of limestone to calcium oxide (quicklime) and carbon dioxide on heating.]

3. Ca(OH)2 - Calcium hydroxide is an inorganic compound with the chemical formula Ca(OH)â,,. It is a colorless crystal or white powder and is produced when quicklime is mixed with water. It has many names including hydrated lime, caustic lime, builders' lime, slaked lime, cal, and pickling lime.

Ca(OH)$_2$ Ca^{2+} + 2 OH. At ambient temperature, calcium hydroxide (portlandite) dissolves in water to produce an alkaline solution with a pH of about 12.5. Calcium hydroxide solutions can cause chemical burns.

Question 34 :

What is the unit of work done?

Difficulty : Moderate

Average Time : 125 Seconds

Options :

1. Watt

2. Decibel

3. Ampere

4. Joule

Solution :

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

The SI unit of work is **joule (J)**. Joule is defined as the work done by a force of one newton causing a displacement of one meter.

- In physics, work is the energy transferred to or from an object via the application of force along a displacement. In its simplest form, for a constant force aligned with the direction of motion, the work equals the product of the force strength and the distance traveled.
- **WF = F.d = Fd cos where is the angle between the force and displacement.**

Additional information-

Watt	SI unit of power.1 Watt = **1 Joule per second**
Decibel	SI unit of **measuring sound**.
Ampere	SI unit of **electric current**.A unit of measure of the rate of electron flow or current in an electrical conductor. **One ampere of current represents one coulomb of electrical charge (6.24 x 10^{18} charge carriers) moving past a specific point in one secon**d.

Question 35 :

Which of the following sites do "Not" have nuclear power plant?

Difficulty : Moderate

Average Time : 89 Seconds

Options :

   Vijayawada

2. Naraura

3. Tarapur

4. Rawat Bhata

Solution :

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

There are presently **22 reactors** with a total capacity of 6780 MW in operation and one reactor, KAPP-3 (700 MW) has been connected to the grid on January 10, 2021.

- Nuclear power is the fifth-largest source of electricity in India after thermal, hydroelectric and renewable sources of electricity. Nuclear power plants in India.

Kakrapar Atomic Power Station – 1993	Gujarat
(Kalpakkam) Madras Atomic Power Station – 1984	Tamil Nadu
Narora Atomic Power Station- 1991	Uttar Pradesh
Kaiga Nuclear Power Plant -2000	Karnataka
Rajasthan Atomic Power Station – 1973	Rajasthan
Tarapur Atomic Power Station – 1969	Maharashtra
Kudankulam Nuclear Power Plant – 2013	Tamil Nadu

Question 36 :

The Ramakrishna Mission stressed the ideal of _____ through social service and selfless action.

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. bhakti

2. education

3. salvation

4. God

Solution :

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

Swami Vivekananda established the Ramakrishna Mission to stress the ideals of **salvation** through social service and selfless action.

- The Ramakrishna mission worked to **help the poor, improve the conditions of women, and fight against untouchability and superstition and to overhaul the education system**.
- The organisation mainly **propagates the Hindu philosophy of Vedanta–Advaita Vedanta and four yogic ideals – Jnana, Bhakti, Karma, and Raja yoga**. Apart from religious and spiritual teaching, the organisation carries out extensive educational and philanthropic work in India and abroad.
- **Quote ofRamakrishn mission-"Knowledge leads to unity, but Ignorance to diversity**." "Lovers of God do not belong to any caste."

Question 37 :
International Non-Violence Day is observed on:

Difficulty : Moderate   **Average Time : 64 Seconds**

Options :

1. 15 August

2. 31 October

3. 2 October

4. 14 November

Solution :
The correct answer is **Option 3.** i.e. **2 October.**

International Day of Non-Violence is observed on **2 October**, the birthday of Mahatma Gandhi.t was established on 15 June 2007 according to United Nations General Assembly resolution.The resolution reaffirms "the universal relevance of the principle of non-violence" and the desire "to secure a culture of peace, tolerance, understanding and non-violence".

- **The day aimed to spread the message of non-violence, including through education and public awareness, around the world**. The resolution reflected universal respect for Gandhi and his philosophy. October 2, which is Gandhi's birthday, was allocated as the day's date.

There are three main categories of non-violence action:

- protest and persuasion, including marches and vigils;
- non-cooperation; and

non-violent intervention, such as blockades and occupations.

Question 38 :
Which of the following Dynasties established the kingdom of Vijayanagara?

Difficulty : Moderate   Average Time : 68 Seconds

Options :

1. Sangama Dynasty

2. Nagama Dynasty

3. Soma Dynasty

4. Tuluva Dynasty

Solution :
The correct answer is **Option 1.** i.e. **Sangama Dynasty.**

It was established in **1336** the rebellions against Tughluq rule in the Deccan,by the brothers Harihara I and Bukka Raya I of the **Sangama dynasty.** There were four dynasties which ruled over Vijayanagar- **Sangama Dynasty, Saluva Dynasty, Tuluva Dynasty and Aravidu Dynasty**. It was the first dynasty to rule over the Vijaynagar empire.

Additional Information-

- **Hampi was the capital of the Vijayanagara kingdom**. Hampi was a city located in northern Karnataka. Hampi is a famous pilgrimage centre of the Hindu and Jain religions.
- **Krishnadeva Raya** of Tuluva Dynasty was the greatest of all the Vijayanagar rulers.The empire is generally considered to have reached its peak during the rule of Krishna Deva Raya.
- **Krishna Deva** was also a great patron of art and literature, and was known as 'Andhra Bhoja'. Eight eminent luminaries in literature known as **Ashtadiggajas** were at his court.
- Ramraya was the last ruler of the Vijayanagar empire of Aravidu Dynasty.
- The **Battle of Talikota, January 23, 1565**,**also known as that of Rakshasi–Tangadi,** was a watershed battle fought between the Vijayanagara Empire and an alliance of the Deccan sultanates. The battle resulted in the defeat of Rama Raya which led to the eventual collapse of the polity and reconfigured Deccan politics And the empire slowly shrunk and ended in 1646.
- The Hindu Vijayanagar empire lasted for more than two centuries as the dominant power in south India.

Question 39 :
When was 'Vayudoot' airline setup in India?

Difficulty : Moderate

Average Time : 105 Seconds

Options :

1. 1981
2. 1991
3. 1971
4. 1969

Solution :
The correct answer is **Option 1.** i.e. **1981.**

In **1972** the International Airports Authority of India (IAAI) was constituted and Vayudoot airlines (a government owned airline company) started operation in India established on **20 January 1981** as a joint-venture between the two state-owned carriers, Indian Airlines and Air India. The airline was headquartered at **New Delhi's Safdarjung Airport.**Vayudoot was a regional airline in India.

- Its operations primarily focused on providing air connectivity to remote and underserved areas of the country.
- Vayudoot ceased its operations on **April 30, 1997**, due to financial losses and operational difficulties.
- The airline was merged with Indian Airlines in **1997.**

Question 40 :
Wearing away of landscape by different agents like water, wind and ice is called _____.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Weathering
2. Erosion
3. Metamorphosis
4. Sedimentation

Solution :
The correct answer is **Option 2.** i.e. **Erosion.**

Erosion is the geological process in which earthen materials are worn away and transported by natural forces such as wind or water in other words it carrying away of the upper fertile layer of the soil by wind or water. The upper layer of soil alos know as topsoil is the most fertile because it contains the most organic, nutrient-rich materials.

Erosion is a serious problem for productive agricultural land and for water quality concerns.

- Soil erosion occurs primarily when dirt is left exposed to strong winds, hard rains, and flowing water. In some cases, human activities, especially farming and land clearing, leave soil vulnerable to erosion.
- The overgrazing of farm animals like cattle and sheep can also leave large areas of land devoid of ground-covering plants which cause erosion.
- Soil erosion reduces the quantity and the quality of soil ecosystems and land that can be used to grow crops.
- Deforestation is also a cause of soil erosion.
- **Rill erosion** occurs during heavy rains, when small rills form over an entire hillside, making farming difficult.

Question 41 :

Who has been appointed as the new chairman of the Central Board of Direct Taxes in June 2022?

Difficulty : Moderate   **Average Time : 85 Seconds**

Options :

1. Nitin Gupta
2. Nidhi Chibber
3. Ashish Jha
4. M Jagadesh Kumar

Solution :

The correct answer is **Option 1.** i.e. **Nitin Gupta.**

The Chairman and Members of CBDT are selected from **Indian Revenue Service (IRS)**, a premier civil service of India, whose members constitute the top management of Income Tax Department.

IRS **Nitin Gupta** has been appointed as the new chairman of the Central Board of Direct Taxes in June 2022.Succeded after **J B Mohapatra** retired on April 30.Nitin Gupta is scheduled to retire in September 2023.

Additional detail-

- CBDT is **the authority vested with the responsibility of the administration of laws related to direct taxes through the Department of Income Tax**. In India, necessary inputs for policy and planning is provided by the CBDT.
- The CBDT is headed by a Chairman and can have six members who are in the rank of special secretary.

Nidhi Chibber	Chairperson of CBSE 2023
Ashish Jha	White House COVID-19 Response Coordinator

M Jagadesh Kumar	Chairperson of the University Grants Commission

Question 42 :

Who among the following is known as 'Sarod Samrat' in Indian Classical Music?

Difficulty : Moderate   **Average Time : 89 Seconds**

Options :

1. Pandit Ravishankar Prasad

2. Aamir Ali Khan

3. Amjad Ali Khan

4. Kishan Maharaj

Solution :

The correct answer is **Option 3.** i.e. **Amjad Ali Khan.**

Sarod 'samrat', **Amjad Ali Khan** is one of the most distinguished maestro in the world of Indian classical music.He is an Indian classical sarod player, best known for his clear and fast 'ekhara taans'.Amjad Ali Khan has received several prestigious national and international awards including Padma Shri, Padma Bhushan, and Padma Vibhushan.

- He was awarded India's second-highest civilian honour Padma Vibhushan in 2001.
- Padma Shri in 1975, Padma Bhushan in 1991,.
- Sangeet Natak Akademi Award for Music - Instrumental (Sarod) in 1989.
- The Tansen Award in 1989, Sarod Samrat, UNESCO Award in 1970,

Question 43 :

Which of the following is NOT one of the methods of national income estimation?

Difficulty : Moderate   **Average Time : 62 Seconds**

Options :

1. Banking method

2. Expenditure method

3. Product method

4. Income method

Solution :

The correct answer is **Option 1.** i.e. **Banking method.**

The three methods national income of a country can be measured alternative are as -

1. **Product Method -** Also known as Output method or value added method in this method we calculate the national income by taking the value added to a product during the various stages of production into account.
2. **Income Method -** In the income method, **the national income is measured by adding up the pretax income generated by the individuals and companies in the economy**. It consists of income from wages, rent of buildings and land, interest on capital, profits, etc. in an accounting year.
3. **Expenditure Method -** The expenditure method is the most common way to calculate national income. a system for calculating gross domestic product (GDP) that combines consumption, investment, government spending, and net exports. It is the most common way to estimate GDP.

Symbolically : **National Income = Total Rent + Total Wages + Total Interest + Total Profit**. goods and services produced in a country during a year is obtained, which is called total final product.

Question 44 :
The term 'Parliament' refers to the _____.

Difficulty : Moderate   **Average Time : 83 Seconds**

Options :
1. Rajya Sabha

2. Lok Sabha

3. State legislature

4. National legislature

Solution :
The correct answer is **Option 4.** i.e. **National legislature.**

'Parliament' refers to **the national legislature**. The legislature of the States is described as State legislature. The Parliament in India has two houses. When there are two houses of the legislature, it is called a bicameral legislature.

- The most common meaning of parliament refers to **a country's legislative (law-making) body**.The word comes in part from the French verb parler, which means to speak, which makes sense since this group of people assemble to talk about laws and issues.
- The Indian Parliament comprises of the President and the two Houses - Rajya Sabha (Council of States) and Lok Sabha (House of the People). The President has the power to summon and prorogue either House of Parliament or to dissolve Lok Sabha.

Apart from law making, the Parliament is engaged in many other functions.The functions of the Parliament.:

Legislative Functions: The Parliament makes laws on all subjects listed in the Union List. In cases when an emergency has been declared, the Union Parliament can also make laws on subjects that fall within the State List.

2. **Financial Control:** Union Parliament has exclusive powers to provide ways and means through which revenue has to be raised for public services.

3. Most vital function of the Parliament is to ensure that the executive does not overstep its authority and remains responsible to the people who have elected them.

4. **Judicial Powers-** The Parliament has the power to remove the President, the Judges of Supreme and High Courts and the Chief Election Commissioner from their office.

5. **Power to amend the Constitution-** The Parliament has the supreme authority to make changes to the Constitution of India.

Question 45 :
Chief Minister of which state has inaugurated a project of the Women and Child Development department to provide milk and eggs to children at all anganwadis in the state in a bid to improve their nutrition levels?

Difficulty : Moderate   **Average Time : 123 Seconds**

Options :
1. Andhra Pradesh
2. Kerala
3. Karnataka
4. Tamil Nadu

Solution :
The correct answer is **Option 2.** i.e. **Kerala.**

Kerala CM **Pinarayi Vijayan** Launches Eggs And Milk Scheme For Anganwadi Children a project of the Women and Child Development department.
Under this scheme, which is considered as a first in the country, each child will be given 125 ml of milk two days a week for 44 weeks (10 months) and an egg twice a week.

- Aims to create a child-friendly state by making the anganwadis smart, ensuring nutrition for children and by eliminating violence against children in the society.
- The introduction of milk and eggs for anganwadi children is intended to improve their nutritional parameters and assumes significance as ending hunger is one of the Sustainable Development Goals (SDGs) established by the

United Nations.

Question 46 :

A 'Camel Protection and Development Policy' has been announced by the government of _____.

Difficulty : Moderate   Average Time : 71 Seconds

Options :

1. Rajasthan
2. Punjab
3. Gujarat
4. Ladakh

Solution :

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

Rajasthan state government has announced a 'Camel Protection and Development Policy' in its budget 2022-23.

1. This Act may be called the **Rajasthan** Camel (Prohibition of Slaughter and Regulation of Temporary Migration or Export) Act, 2015.
2. It extends to the whole of the State of Rajasthan.
3. The CM of Rajasthan state government has approved an outlay of Rs 2.60 crore under this policy for the conservation of camels.
4. According to the state government figures, in Rajasthan there are less than two lakh camels left. Since 2012, the number of camels has reduced by 1.5 lakh in India. Around 2.5 lakh camels were left when in 2019 it was last counted.
5. The state animal of Rajasthan is the Camel and their number is decreasing continuously. As the camel population is continuously declining, the government of Rajasthan has announced this policy.
6. Due to this law camel rearing in the state was reduced, thus, there was a decline in their population.

Question 47 :

Who among the following Presidents of India was also the deputy chairman of Planning Commission?

Difficulty : Moderate   Average Time : 79 Seconds

Options :

STUDY CONTENTS THAT GET YOU SELECTED

5 LAKH+ STUDENTS
Already enrolled with our selection focused courses.

30+ EXPERT INSTRUCTORS
Our instructors are the best in the industry

10000+ HOURS OF VIDEOS
All videos are well-explained for you to get every bit out of the videos

FREE PDF

    V V Giri

2. K R Narayanan

3. Ramaswamy Venkataraman

4. Pranab Mukherjee

Solution :
The correct answer is **Option 4.** i.e. **Pranab Mukherjee.**

Pranab Mukherjee Presidents of India was also the deputy chairman of Planning Commission.He served this post in from 1991 to 1996, after served as the President of India.

- Established on 1**5 March 1950**, with Prime Minister Jawaharlal Nehru as the Chairman.
- The **Planning Commission** is a government agency in India that was established to oversee the country's economic and social development. Planning Commission was set up to promote a rapid rise in the standard of living of the people through efficient exploitation of the country's resources, increased production, and providing opportunities for all to work in community service.
- The Prime Minister is the Chairman of the Planning Commission, which works under the overall supervision of the National Development Council.
- On **17 August 2014**, Planning Commission was replaced by NITI Aayog, or **the National Institution for Transforming India.**

Question 48 :
In Golgi apparatus, the maturing face is:

Difficulty : Moderate

Average Time : 73 Seconds

Options :
1. spherical

2. convex

3. bi-concave

4. concave

Solution :
The correct answer is **Option 2.** i.e. **convex.**

Cis face (entry face), which is convex and usually oriented toward the nucleus.Proteins from the ER enter from it.

The **Golgi apparatus (also called the Golgi complex)**. It is a major site of carbohydrate synthesis, as well as a sorting

and dispatching station for the products of the ER. Many of the cell's polysaccharides are made in the Golgi apparatus, including the pectin and hemicellulose of the cell wall in plants and most of the glycosaminoglycans of the extracellular matrix in animals.

Functions of Golgi Appartus-

- Golgi apparatus **modifies and transport proteins and lipids that have been built in the endoplasmic reticulum to the outside of the cell or to other locations in the cell**.
- Main function is the **packaging and secretion of proteins.**
- Golgi apparatus is not involved in **protein production**. Protein production usually occurs at the ribosomes.
- Formation of secretory vesicles and secretion:
- Helps in enzyme formation:
- Glycoproteins are formed in the Golgi complex by the attachment of carbohydrate to the protein products of the endoplasmic reticulum.

Question 49 :

Raja Ram Mohan Roy founded a reform association known as Brahmo Sabha which was later known as _____.

Difficulty : Moderate   Average Time : 86 Seconds

Options :

1. Dev Samaj
2. Arya Samaj
3. Brahmo School
4. Brahmo Samaj

Solution :

The correct answer is **Option 4.** i.e. **Brahmo Samaj.**

The Brahmo Samaj was **a monotheistic sect of Hinduism**. The movement began through meetings of Bengalis in Calcutta in 1828. One of the leading figures was Ram Mohan Roy. This group was known as the Brahmo Sabha which later known as **Brahmo Samaj in 1930.**

- The chief aim of the Brahmo Samaj was **the worship of the eternal God**. It was against priesthood, rituals and sacrifices. It focused on prayers, meditation and reading of the scriptures.
- Brahmo Samaj was founded on 20 August 1828 **to educate people against the persisting social and religious evil practices in the society in Kolkata**.
- **It reformed Indian society by speaking out against social-evils like sati, child marriage etc**. Through education they instilled in the masses that such practices were wrong. Their greatest achievement was the abolition of Sati in 1829.

The twin pillars of Brahmo Samaj were **Vedas & Upnishads.**
- Slogan – '**Brahmoism is Catholic & Universal**'.

Extra Information-

Dev Samaj	Founded by Shiv Narayan Agnihotri on **16 February 1887** in Lahore
Arya Samaj	Founded in 1875 by **Dayananda Sarasvati.**

Question 50 :
_____ part of xylem tissue in plants stores food.

Difficulty : Moderate

Average Time : 93 Seconds

Options :

1. Vessels

2. Xylem fibres

3. Xylem parenchyma

4. Tracheids

Solution :
The correct answer is **Option 3.** i.e. **Xylem parenchyma.**

Xylem parenchyma cells can store water, which is essential for the proper functioning of a plant. Water stored in the living cells of wood is a fraction of intracellular water storage, which also includes the cells of the pith and the layers outside the vascular cambium, such as the phloem. Xylem parenchyma helps in the radial conduction of water and helps in healing and regeneration under water stress conditions.

The main characteristics of xylem parenchyma are:

- The cell wall is cellulosic and thin.
- They have a prominent nucleus and protoplast.
- Cells are colourless and have large vacuoles.
- Reserve food material is in the form of starch, fats, tannins, and crystals.
- Conduction of water takes place in the ray parenchymatous cell.

Question 51 :
Who among the following composers won the Grammy in 2015 for his album 'Winds of Samsara' – a collaboration with

South African flautist Wouter Kellerman?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Mano Murthy

2. Raghu Dixit

3. Subhashish Ghosh

4. Ricky Kej

Solution :

The correct answer is **Option 4.** i.e. **Ricky Kej.**

Bengaluru-based Indian music composer and producer **Ricky Kej** the fourth Indian to ever win a third Grammy award in his career, he is also the country's youngest awardee who had won **57th Annual** grammy award in 2015 for his album, **'Winds of Samsara.'**

- He also bagged another Grammy for Best New Age Album in 2022.
- Divine Tides Grammy Award for Best Immersive Audio Album in 2022.
- In December 2022, Kej was announced as a UNHCR "Goodwill Ambassador".

Question 52 :

In which of the following Indian states, Harappan cities have NOT been found?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Uttarakhand

2. Gujarat

3. Rajasthan

4. Haryana

Solution :

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

In Pakistan, Harappan sites were found in Punjab and Sind and in India, they were found in Gujarat, Rajasthan, Haryana and Punjab. Archaeologists have found sets of unique objects in almost all these cities.

Additional Information

- The Bronze Age Harappan civilisation, now more often called the Indus Valley Civilisation, located in the Indus river valley.
- Harappa was discovered in 1921 by **Dayaram Sahni**.
- Major Harappan cities include Harappa, Ganeriwala, and Mohenjo-daro in modern-day Pakistan, and Dholavira, Kalibangan, Rakhigarhi, Rupar, and Lothal in modern-day India. In total, **more than 1,052** cities and settlements have been found, mainly in the general region of the Indus River and its tributaries.
- **Rakhigarhi** is the largest Harappan site in the Indian subcontinent. **Allahdino** is the smallest site of the Indus Valley Civilization
- Harappan cities, urban centres was highly developed. Proper drainage system has been found in the cities. Materials used in buildings were burnt bricks.
- **Sir John Marshall** named the Indus valley civilization as the 'Harappan civilization' after the name of the Indus site of Harappa.
- **Harappa port-town of Lothal** is located along the Bhogava river, a tributary of Sabarmati, in the Gulf of Khambat.

Question 53 :
Burning of coal is an example of _____.

Difficulty : Moderate   Average Time : 89 Seconds

Options :

1. decomposition reaction

2. double displacement reaction

3. combination reaction

4. displacement reaction

Solution :
The correct answer is **Option 3.** i.e. **combination reaction.**

Coal burns in the air to form carbon dioxide gas. In the presence of oxygen, hydrogen burns to produce water in the form of steam. Upon cooling, it becomes liquid. Combustion reactions: **Burning of coal and formation of water** are examples of combination reaction.

A combination reaction is a reaction where two or more elements or compounds combine to form a single

compound. Such reactions are represented by equations of the following form: **X + Y XY.**

Additional Information-

Decomposition reaction	A chemical reaction in which one reactant breaks down into two or more products.
Double displacement reaction	A type of reaction where part of of one reactant is replaced by part of another reactant.
Displacement reaction	The type of reaction in which part of one reactant is displaced by another reactant is called displacement reaction. It is also called a replacement reaction.

Question 54 :
The foremost right among rights to freedom is _____.

Difficulty : Moderate   **Average Time : 82 Seconds**

Options :

1. Right to life and personal liberty

2. Preventive detention

3. Freedom to assemble

4. Right to freedom of speech and expression

Solution :
The correct answer is **Option 1.** i.e. **Right to life and personal liberty.**

According to **Article 21** of constitution that provides **Right to life and personal liberty is the foremost right among right to freedom,** that means no person shall be deprived of his life or personal liberty except according to the procedure established by the law.

That means no one can be arrested without being told the grounds for such an arrest.If arrested, the person has the right to defend himself by a lawyer of his choice. Also, it is mandatory for the police to take that person to the nearest magistrate within 24 hours. The magistrate, who is not part of the police, will decide whether the arrest is justified or not. This right is not just confined to a guarantee against taking away of an individual's life but has wider application.

- This right also includes right to live with human dignity,
- free from exploitation.

Right to shelter and livelihood is also included in the right to life because no person can live without the means of living, that is, the means of livelihood.

Question 55 :

The HCF of two numbers is 12. Which one of the following can never be their LCM?

Difficulty : Moderate   **Average Time : 88 Seconds**

Options :

1. 72

2. 60

3. 80

4. 84

Solution :

The correct answer is **Option 3**. i.e. **80**.

Let the two numbers be '12a' and '12b' respectively where 'a' and 'b' are co-prime integers.

LCM of both the numbers = 12ab which must be divisible by 12.

Only 80 is not divisible by 12.

So, 80 can never be the HCF of both numbers.

 The required answer is 80.

Question 56 :

Two circles touch each other externally at P. AB is a direct common tangent to the two circles, A and B are points of contact, and PAB = 40° . The measure of ABP is:

Difficulty : Moderate   **Average Time : 52 Seconds**

Options :

1. 45°

2. 55°

3. 50°

4. 40°

Solution :

The correct answer is **Option 3**.i.e. **50°**.
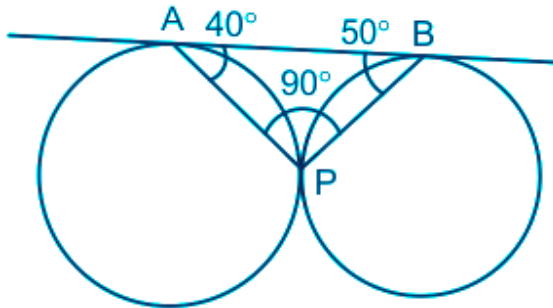
According to the concept, APB = 90°

Considering APB,

ABP

90° - PAB

90° - 40° = 50°

The measure of ABP is 50°.

Question 57 :

The mean proportion of 169 and 144 is:

Difficulty : Moderate   **Average Time : 48 Seconds**

Options :

1. 156

2. 147

3. 126

4. 165

Solution :

The correct answer is **Option 1**. i.e.**156.**

Let the mean proportion be Q.

The proportion becomes = 169 : Q :: Q : 144

STUDY CONTENTS THAT GET YOU SELECTED

5 LAKH+ STUDENTS
Already enrolled with our selection focused courses.

30+ EXPERT INSTRUCTORS
Our instructors are the best In the industry

10000+ HOURS OF VIDEOS
All videos are well-explained for you to get every bit out of the videos

FREE PDF

‎According to the concept,

(144 × 169) = (Q × Q)

$Q^2 = (144 \times 169)$

Q = 12 × 13

Q = 156

 The mean proportion of 169 and 144 is 156.

Question 58 :
The length and breadth of a rectangle are increased by 8% and 5%, respectively. By how much percentage will the area of the rectangle increase?

Difficulty : Moderate   **Average Time : 49 Seconds**

Options :

1. 13.4%

2. 15.4%

3. 12.4%

4. 16.4%

Solution :
The correct answer is **Option 1**.i.e. **13.4%**.

Length of original rectangle = x

The breadth of original rectangle = y

Then, Area of Original Rectangle = xy

Length of New Rectangle

$$\begin{aligned} & => x+\frac{5x}{100} \\ & => x+\frac{x}{20} \\ & => \frac{21x}{20} \end{aligned}$$

Breadth of New Rectangle

$$\begin{aligned} & => y+\frac{8y}{100} \\ & => y+\frac{2y}{25} \\ & => \frac{27y}{25} \end{aligned}$$

Now,

Area of New Rectangle $=> \frac{21x}{20} \times \frac{27y}{25} = \frac{567xy}{500}$

Increase in area

$$\begin{aligned} & =>\frac{567 x y}{500}-x y \\ & =>\frac{567 x y-500 x y}{500} \\ & =>\frac{67 x y}{500} \end{aligned}$$

Percent Increase

$$\begin{aligned} & =>\frac{\frac{67 x y}{50 y}}{x y} \times 100 \\ & =>\frac{67 x y}{500} \times \frac{1}{x y} \times 100 \\ & =>\frac{67}{5}=13.4 \end{aligned}$$

Percent Increase = 13.4%

Question 59 :

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. $\dfrac{\{n(n+1)(2n+1)\}}{6}$

2. $\dfrac{\{n(n+1)\}}{2}$

3. $\dfrac{(2n+1)}{3}$

4. $\dfrac{\sqrt{3}}{2\sqrt{6}-2\sqrt{2}}$

Solution :

The correct answer is **Option 3**. i.e $\dfrac{3\sqrt{2}-\sqrt{6}}{8}$.

$$\frac{\cos 45^{\circ}}{\sec 30^{\circ}+\operatorname{cosec} 30^{\circ}}$$

$$\begin{aligned} & =\frac{\frac{1}{\sqrt{2}}}{\frac{2}{\sqrt{3}}+2}=\frac{\frac{1}{\sqrt{2}}}{\frac{2+2 \sqrt{3}}{\sqrt{3}}} \\ & =\frac{\sqrt{3}}{\sqrt{2}(2+2 \sqrt{3})}=\frac{\sqrt{3}}{2 \sqrt{2}+2 \sqrt{6}} \\ & =\frac{\sqrt{3}(2 \sqrt{6}-2 \sqrt{2})}{((2 \sqrt{6})+2 \sqrt{2})(2 \sqrt{6}-2 \sqrt{2})} \\ & =\frac{2 \sqrt{3}(\sqrt{6}-\sqrt{2})}{(2 \sqrt{6})^2-(2 \sqrt{2})^2}=\frac{2 \sqrt{3}(\sqrt{6}-\sqrt{2})}{24-8}=\frac{2 \sqrt{3}(\sqrt{6}-\sqrt{2})}{16} \\ & =\frac{\sqrt{18}-\sqrt{6}}{8}=\frac{3 \sqrt{2}-\sqrt{6}}{8} \end{aligned}$$

Question 60 :
Which of the following numbers is a divisor of (4915 – 1)?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. 46

2. 14

3. 8

4. 50

Solution :
The correct answer is **Option 3.** i.e.**8.**

According to concept,

$$\begin{aligned} & \left(49^{15}-1\right) \\ & \Rightarrow\left(\left(7^2\right)^{15}-1\right) \\ & \Rightarrow\left(7^{30}-1\right) \end{aligned}$$

Here, 30 is a positive integer.
According to the concept,

$\left(7^{30}-1\right)$ is divisible by (7+1) i.e., 8 .

8 is a divisor of $\left(49^{15}-1\right)$

Question 61 :
In a 1500 m race, Anil beats Bakul by 150 m and in the same race Bakul beats Charles by 75 m. By what distance does Anil beat Charles?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 217.50 m

2. 200.15 m

3. 293.50 m

313.75 m

Solution :

The correct answer is **Option 1**. i.e. **217.50 m** .

According to the question,

Anil goes 1500m while Bakul goes (1500 - 150) i.e. 1350m.

Ratio of speed of Anil and Bakul = 1500 : 1350 = 10 : 9 = 200 : 180

According to the question,

Bakul goes 1500m while Charlie goes (1500 - 75) i.e. 1425m.

Ratio of speed of Bakul and Charlie = 1500 : 1425 = 20 : 19 = 180 : 171

So, the ratio of the speeds of Anil, Bakul, and Charlie = 200 : 180 : 171

Let the speeds of Anil, Bakul, and Charlie be 200k, 180k, and 171k m/s respectively.

Time taken by Anil to finish the race = 1500/200k = 7.5/k seconds

Now, Anil beats Charlie by = (200 - 171)k ×7.5/k = 217.5m

Question 62 :
Rs.2,500, when invested for 8 years at a given rate of simple interest per year, amounted to Rs.3,725 on maturity. What was the rate of simple interest that was paid per annum?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 6%

2. 6.125%

3. 6.25%

4. 5.875%

Solution :

The correct answer is **Option 2**.i.e. **6.125%** .

According to the concept,

$$\begin{aligned} & \frac{2500 \times R \times 8}{100}=3725-2500 \\ & \Rightarrow R=\frac{1225 \times 100}{2500 \times 8} \\ & \Rightarrow R=6.125 \% \end{aligned}$$

Question 63 :

The following table shows the number of pages printed by 3 printer during 3 days. What is the average number of pages printed by printer Z during the 3 days?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 196
2. 194
3. 192
4. 190

Solution :

The correct answer is **Option 1**. i.e. **196** .

According to question,

Total pages printed by Z in 3 days = 210 + 160 + 218

 588

Average = 588/3

 196

 The required answer is 196.

Question 64 :

The batting average for 27 innings of a cricket player is 47 runs. His highest score in an innings exceeds his lowest score by 157 runs. If these two innings are excluded, the average score of the remaining 25 innings is 42 runs. Find his highest score in an innings.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 176
2. 188
3. 186

174

Solution :

The correct answer is **Option 2**. i.e. **188** .

The sum of runs for 27 innings of a cricket player = 47 × 27 = 1269

The sum of runs for 25 innings of a cricket player = 42 × 25 = 1050

Sum of remaining 2 innings = 1269 - 1050 = 219

Let the minimum score be x and the maximum score be x + 157

According to the question,

x + x + 157 = 219

2x = 219 - 157

2x = 62

x = 31

So, highest score = 157 + 31

188

Question 65 :

P and Q can complete a project in 15 days and 10 days, respectively. They started doing the work together, but after 2 days, Q had to leave and P alone completed the remaining work. In how many days was the whole work completed?

Difficulty : Moderate   **Average Time : 58 Seconds**

Options :

1. 11

2. 12

3. 13

4. 10

Solution :

The correct answer is **Option 2**. i.e. **12** .

According to question,

(P + Q)'s 1 day's work = 1/15 + 1/10

(2 + 3)/30

5/30

1/6

Work done by P and Q in 2 days = 1/6 × 2

1/3

Remaining work = 1 - 1/3

2/3

Now,

1/15 work is done by P in 1 day.

So, 2/3 work will be done by P in 15 × 2/3 = 10 days

So, the total time is taken = 10 + 2

12 days

Question 66 :
The pie chart given below shows the number of truck sold by 8 different companies. The total number of truck sold by all these 8 companies are 4000. Number of truck sold by a particular company is shown as a percent of total number of truck sold by all these 8 companies. The number of trucks sold by B, C, F and H is how much percent less than the number of trucks sold by all these 8 companies?

Difficulty : Moderate   **Average Time : 68 Seconds**

Options :
1. 46 percent

2. 22 percent

3. 34 percent

4. 14 percent

Solution :
The correct answer is **Option 3**. i.e.**34 percent**.

Percentage number of trucks sold by B, C, F and H = 27 + 18 + 7 + 14 = 66%

So,

The number of trucks sold by B, C, F and H is percent less than the number of trucks sold by all these 8 companies = 100 - 66 = 34%

Question 67 :

If x2 - 5x + 1 = 0, then find the value of (dfrac{x^6 + x^4 +x^2 + 1}{5x^3}).

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 30

2. 25

3. 23

4. 28

Solution :

The correct answer is **Option 3**. i.e. **23** .

According to the question,

x^2 - 5x + 1 = 0

Dividing both sides by x, we get

x - 5 + 1/x = 0

x + 1/x = 5........(1)

Now we know that if x + 1/x = a,

then x^3 + 1/x^3 = a^3 - 3a.......(2)

Thus solving the given equation,

= $\dfrac{x^6 + x^4 +x^2 + 1}{5x^3}$

= 1/5(x^3 + x + 1/x + 1/x^3)

= 1/5 (5^3 - 3 × 5 + 5)........................ by (1) and (2)

= 1/5 (115)

= 23

Question 68 :

In a right-angled triangle PQR, right-angled at Q, the length of the side PR is 17 units, length of the base QR is 8 units, and length of the side PQ is 15 units. If RPQ = , then sin + cos is:

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1.

2. $\dfrac{23}{17}$

3. $\dfrac{21}{17}$

4. $\dfrac{15}{17}$

Solution :

The correct answer is **Option 2**. i.e. $\dfrac{23}{17}$.

PR = 17 units

PQ = 15 units

RQ = 8 units

$\angle RPQ = \alpha$

So,

$\sin\alpha = \frac{8}{17}$

$\cos\alpha = \frac{15}{17}$

So,

$\sin\alpha + \cos\alpha = \frac{8}{17} + \frac{15}{17}$

$\sin\alpha + \cos\alpha = \frac{23}{17}$

Question 69 :

 then what is the value of k?

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. 119

2. 128

3. 24

4. 109

Solution :

The correct answer is **Option 1**. i.e. **119** .

$$\left(\frac{17^{3}+7^{3}}{17^{2}+7^{2}-k} \right)=24$$

$$\left(\frac{5256}{289+49-k}\right)=24$$

5256 = 24 (338 - k)

5256 = 8112 - 24k

24k = 2856

k = 119

Question 70 :

 The circumference of the two circles is 198 cm and 352 cm respectively. What is the difference between their radii?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. 45 cm

2. 16.5 cm

3. 49.5 cm

4. 24.5 cm

Solution :

The correct answer is **Option 4**. i.e**. 24.5 cm**.

Let the radii be R_1 and R_2 -

Circumference of the first circle = $2\pi R_{1}$

$2\pi R_{1}= 198$

So,

$R_{1}= \frac{198\times 7}{2\times 22}$

$R_{1}=31.5$

Now,

Circumference of the second circle = $2\pi R_{2}$

$2\pi R_{2}= 352$

$R_{2}= \frac{352\times 7}{2\times 22}$

$R_{2}=56$

So,

The difference in the their radii = 56 - 31.5

The difference in the their radii = 24.5 cm

Question 71 :
Radius of a circle is 10 cm. Angle made by chord AB at the centre of this circle is 60 degree. What is the length of this chord?
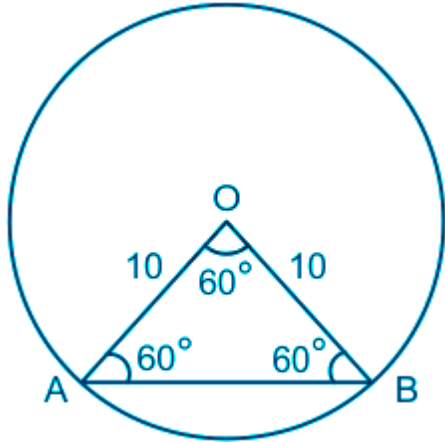
Difficulty : Moderate   **Average Time : 69 Seconds**

Options :
  1. 40 cm

  2. 20 cm

  3. 30 cm

  4. 10 cm

Solution :

The correct answer is **option 4** i.e. **10 cm**.

OA = OB = 10 cm

OAB is an isosceles triangle.

So, OAB = OBA = $\frac{(180-60)^{\circ}}{2}$ = 60°

Since OAB = OBA = OAB = 60°, OAB is an equilateral triangle.

So, OA = OB = AB = 10 cm

The length of the chord is 10 cm.

Question 72 :

The following bar graph shows the sales of books (in thousands) from six branches of a publishing company during two consecutive years 2018 and 2019. What is the ratio of the total sales of the first branch for both years to the total sales of the fourth for both years?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. 4 : 3

2. 5 : 9

3. 8 : 11

4. 37 : 36

Solution :

The correct answer is **Option 4** i.e. **37 : 36.**

Total sales of the first branch for both years = 105 + 80 = 185

Total sales of the fourth branch for both years = 85 + 95 = 180

Required ratio = 185 : 180 = 37 : 36

Question 73 :

If ,then what is the value of p?

Difficulty : Moderate   **Average Time : 37 Seconds**

Options :

1. -119

2. -129

3. 119

4. 129

Solution :

The correct answer is **Option 3** i.e.**119 .**

$\frac{4\left [\left (17 \right)^{3} -\left (7 \right)^{3}\right]}{\left (17 \right)^{2}+7^{2}+p}=40$

$\frac{4\left [4913-343 \right]}{289+49+p}=40$

$\frac{4\times 4570}{338+p}=40$

$\frac{18280}{338+p}=40$

$18280 = 40\left (338+p \right)$

18280 = 13520 + 40p

4760 = 40p

So,

p = 119

Question 74 :

Riya could not decide between discount of 30% or two successive discounts of 25% and 5%, both given on shopping of Rs.3,840. What is the different between both the discounts?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Rs. 44
2. Rs. 48
3. Rs. 42
4. Rs. 46

Solution :

The correct answer is **Option 2** i.e.**Rs. 48**.

Case 1 -

Discount of 30% on ₹3,840 = $\frac{30}{100}\times 3840$ = ₹1152

Case 2 -

Successive discount of 25% and 5% = $25+5 - \left(\frac{25\times 5}{100} \right)$ = 28.75%

So,

Discount of 28.75% on ₹3,840 = $\frac{28.75}{100}\times 3840$ = ₹1104

So,

The difference in both the discounts = ₹1152 - ₹1104 = ₹48

Question 75 :

Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.
12 * 24 * 4 * 2 * 60

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. +, ×, ÷, =
2. , ×, +, =
3. +, ×, , =
4. +, ÷, ×, =

Solution :

The correct answer is **Option 1.** i.e. **+, ×, ÷, =.**

Given equation: 12 * 24 * 4 * 2 * 60

Option 1: +, ×, ÷, =

After interchanging the expression becomes:

= 12 + 24 × 4 ÷ 2 = 60

= 60 is equal to 60.

As we have found our answer, so, there is no need of checking other options.

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

Question 76 :
Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph. A. When this extra water vapour condenses into precipitation, it results in heavier rain — or, if it's cold enough, heavier snow. B. The atmosphere can store an additional 4% of water vapour for every additional 1°F of warming. C. More water evaporates from soils, plants, lakes and seas as the atmosphere warms. D. One of the most obvious indications of climate change is heavier rainfall.

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. CBDA

2. DCBA

3. ACDB

4. BCAD

Solution :

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

The student should examine each sentence to determine its relationship to the main idea and to the other sentences in the paragraph.

- **Sentence C** provides information about how the atmosphere warms, which is directly related to the main idea of climate change.
- **Sentence B** explains how warming affects the atmosphere's capacity to store water vapour, which is also relevant to the topic.

Sentence D summarizes the impact of climate change on rainfall, which is the main idea of the paragraph.
- **Sentence A** provides additional information about the relationship between water vapour and precipitation, which supports the main idea.

Thus, the final paragraph would read as follows:

More water evaporates from soils, plants, lakes and seas as the atmosphere warms. The atmosphere can store an additional 4% of water vapour for every additional 1°F of warming. When this extra water vapour condenses into precipitation, it results in heavier rain — or, if it's cold enough, heavier snow. One of the most obvious indications of climate change is heavier rainfall.

Question 77 :
Select the correct indirect form of the given sentence. She said, "I am in no mood to work now."

Difficulty : Moderate   **Average Time : 85 Seconds**

Options :
1. She said that she has been in no mood to work then.

2. She said that she was in no mood to work now.

3. She said that she was in no mood to work then.

4. She said that she has been in no mood to work now.

Solution :
The correct answer is **Option 3** i.e.**She said that she was in no mood to work then.**

To convert the given sentence from direct speech to indirect speech, the following rules can be used:

- Identify the reporting verb (in this case, "said").
- Use an appropriate reporting verb in the past tense (in this case, "said" changes to "said that") to introduce the reported speech.
- Change the pronouns and verb tenses in the reported speech as follows:
    - Change first person pronouns ("I", "me", "my") to third person pronouns ("she", "her", "hers").
    - Change the tense of the reported verb to reflect the past tense (in this case, "am" changes to "was").
- If necessary, change any time or place references to reflect the appropriate tense or context.
- Enclose the reported speech in quotation marks or use an appropriate reporting verb or phrase (in this case, "that" is used).

Thus, the indirect speech version of the sentence would be:

"She said that she was in no mood to work then."

Question 78 :

Select the correct passive form of the given sentence. Manu will tell her later.

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

Options :

1. She will be tell later by Manu.

2. She will tell later by Manu.

3. She will be told later by Manu.

4. She will be tell later.

Solution :

The correct answer is **Option 3** i.e **She will be told later by Manu.**

To convert the given sentence from active voice to passive voice, the following rules can be used:

- Identify the object of the verb in the sentence (in this case, "her").
- Move the object to the beginning of the sentence and make it the new subject.
- Identify the verb in the active sentence (in this case, "will tell").
- Rewrite the verb in the passive voice, using a form of "be" + past participle. The form of "be" used should agree with the original subject (in this case, "Manu").
- If the original sentence includes a subject (in this case, "Manu"), either remove it or include it as an optional prepositional phrase.

Using these rules, the passive voice version of the sentence would be:

"She will be told by Manu later."

Question 79 :

Select the correct active form of the given sentence. Has the villa been occupied by them?

Difficulty : Moderate   **Average Time : 83 Seconds**

Options :

1. Did they occupied the villa?

2. Had they occupied the villa?

Did they occupy the villa?"

4. Do they occupied the villa?

Solution :

The correct answer is **Option 3** i.e., **Did they occupy the villa?**

To convert the given sentence from passive voice to active voice, the following rules can be used:

- Identify the subject performing the action in the sentence (in this case, "them").
- Move the subject to the beginning of the sentence and make it the new subject.
- Identify the verb in the passive sentence (in this case, "been occupied").
- Rewrite the verb in the active voice, making it agree with the new subject. In this case, "occupied" becomes "occupy".
- If the original sentence includes a by-phrase (in this case, "by them"), either remove it or include it as an optional prepositional phrase.

The active voice version of the sentence would be:

"*Did they occupy the villa?*"

Question 80 :

In the given sentence, one word may have been incorrectly spelt. Select the incorrectly spelt word from the given alternatives. If there is no error, select 'No error' as your answer. The erroneous information spread rapidly across the nation and created a stir

Difficulty : Moderate　　　　　　　　　　　　**Average Time : 85 Seconds**

Options :

1. erronous

2. No error

3. eronneous

4. errauneous

Solution :

The correct answer is **Option 2** i.e. **No error.**

- All the words used in the given sentence is correctly spelled.
- Thus, there is no spelling error in the given sentence.

Question 81 :

Select the most appropriate ANTONYM of the word 'SINKS' from the given sentence. Groups work together to create Christmas parade themes, which are then carried out in floats, musical groups, and strolling figures.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Floats

2. Create

3. Parade

4. Strolling

Solution :

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

The meanings of the given words are:

- **Sinks:** go down below the surface of something, especially of a liquid; become submerged.
- **Floats:** rest or move on or near the surface of a liquid without sinking.
- **Create:** bring (something) into existence.
- **Parade:** a public procession, especially one celebrating a special day or event.
- **Strolling:** walk in a leisurely way.

*Thus, the most appropriate antonym for the given words is **Floats.***

Question 82 :

Select the most appropriate option to fill in the blank. The angles are equal, consequently the sides are _____.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. equal

2. unequal

3. larger

4. smaller

Solution :

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

- As per the statement "The angles are equal", it is also implied that the sides are also equal.
- Therefore, the most appropriate option to fill in the blank is "equal".

Thus, the correct sentence is:

*The angles are equal, consequently the sides are **equal**.*

Question 83 :
Select the most appropriate meaning of the given idiom. Like a cakewalk

Difficulty : Moderate   **Average Time : 48 Seconds**

Options :
1. Smooth surface
2. Pleasant experience
3. Easy task
4. Active

Solution :
The correct answer is **Option 3** i.e. **Easy task.**

- The idiom "like a cakewalk" means that something is very easy to do or achieve, requiring little effort or difficulty.
- It comes from the idea that a cakewalk is a simple dance that was traditionally performed at fairs and carnivals, and the winner would receive a cake as a prize.

*Thus, the most appropriate choice among the given options is **Easy task**.*

Question 84 :
Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'. After finishing high school, I plan to pursuing law.

Difficulty : Moderate   **Average Time : 58 Seconds**

Options :
1. No substitution
2. plan to pursue

plan in pursue

4. plan to pursuing

Solution :

The correct answer is **Option 2** i.e. **plan to pursue.**

- The given sentence is grammatically incorrect.
- The verb "pursuing" is in the present participle form, but it should be in the infinitive form "pursue" to match the tense of the sentence.

The correct sentence should be:

*"After finishing high school, I **plan to pursue** law."*

Question 85 :
Select the most appropriate synonym of the given word. Confusion

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

Options :

1. Intrepidity

2. Stagnation

3. Perusal

4. Commotion

Solution :

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

The meanings of the given words are:

- **Confusion:** uncertainty about what is happening, intended, or required.
- **Commotion:** a state of confused and noisy disturbance.
- **Intrepidity:** characterized by resolute fearlessness, fortitude, and endurance.
- **Stagnation:** the state of not flowing or moving.
- **Perusal:** the action of reading or examining something.

*Thus, the most appropriate synonym for the given word is **Commotion.***

Question 86 :
Select the most appropriate option to substitute the underlined segment in the given sentence. Our guests arrived; they are sitting in the garden.

Difficulty : Moderate   **Average Time : 60 Seconds**

Options :
1. shall arrive
2. have arrived
3. are arriving
4. might arrive

Solution :
The correct answer is **Option 2** i.e. **have arrived.**

- The underlined segment in the given sentence is "they are sitting in the garden."
- This segment is in the present continuous tense, which is used to describe an action that is currently happening.
- However, the sentence does not require the present continuous tense because the guests' arrival and their current location are two separate events.
- Therefore, the most appropriate option to substitute the underlined segment would be "and are sitting in the garden," which uses the conjunction "and" to connect the two separate events.

The corrected sentence is:

"Our guests arrived, and they are sitting in the garden."

Question 87 :
The following sentence has been split into four segments. Identify the segment that contains a grammatical error. During an earthquake, / it is advised to take / cover above a table / to save your life.

Difficulty : Moderate   **Average Time : 70 Seconds**

Options :
1. cover above a table
2. During an earthquake,
3. it is advised to take
4. to save your life.

Solution :

The correct answer is **Option 1** i.e. **cover above a table.**

- The sentence is divided into four segments, and the error is in segment three, which says "cover above a table."
- This segment has a grammatical error because it does not use the correct preposition.
- The correct preposition to use in this sentence is "under" rather than "above." The correct segment would be "cover under a table."

Therefore, the corrected sentence would be:

"During an earthquake, it is advised to take cover under a table to save your life."

Question 88 :
Select the INCORRECTLY spelt word.

Difficulty : Moderate   **Average Time : 60 Seconds**

Options :

1. Finery
2. Hiest
3. Cringe
4. Defer

Solution :

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

The correct spelling and meaning of the given words are:

- **Heist**: A heist is a criminal act of stealing something, especially valuable goods or money, often done with meticulous planning and executed in a swift and surprising manner.
- **Finery**: Finery refers to elaborate or elegant clothing, jewelry, or accessories that are meant to enhance one's appearance or style, often associated with formal or ceremonial occasions.
- **Cringe**: Cringe is a strong feeling of embarrassment, awkwardness, or discomfort in response to something perceived as unpleasant, inappropriate, or socially unacceptable.
- **Defer**: To defer is to show respect or submission to someone else's judgment, opinion, or authority, often by yielding to their wishes or delaying action until a later time. It can also mean to put off or postpone something until a later time.

Question 89 :
Select the most appropriate meaning of the given idiom. All eyes

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Watching with anger
2. Watching eagerly
3. Watching with no interest
4. Not watching at all

Solution :

The correct answer is **Option 2** i.e. **Watching eagerly.**

- The idiom "All eyes" refers to a situation where everyone is paying close attention to or watching something or someone very closely.
- The idiom is often used to describe situations where there is a high level of interest, excitement, or tension, and everyone is waiting for something to happen or unfold.

*Thus, the most appropriate choice among the given idioms is **watching eagerly.***

Question 90 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. He was looking into his book for the last two hours but couldn't find it.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. looking down on his book
2. looking above his book
3. looking for his book
4. looking after his book

Solution :

The correct answer is **Option 3** i.e. **looking for his book.**

- The most appropriate option that can substitute the underlined segment "looking into his book" in the given sentence would be "searching in his book."
- This substitution is grammatically correct and makes sense in the context of the sentence because "searching" and

"looking" are synonyms in this context and can be used interchangeably.

- The use of "searching" in the sentence is a more specific and appropriate choice than "looking into," as it implies that the person is actively trying to find something, which is what is happening in the given sentence.

Therefore, the correct sentence is:

He was <u>looking for his book</u> for the last two hours but couldn't find it.

Question 91 :
Select the most appropriate collocating word to fill in the blank. Ram was praised for his_____ leadership.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. imaginary

2. visionary

3. magical

4. broad

Solution :
The correct answer is **Option 2** i.e. **visionary.**

- The most appropriate collocating word to fill in the blank in the given sentence would be "visionary."
- "Visionary" is often used to describe leaders who have a forward-thinking and innovative approach to problem-solving and decision-making.
- The other options, "imaginary," "magical," and "broad," do not fit as well in the context of leadership and are less commonly used to describe this type of quality.

Thus, the correct sentence is:

*Ram was praised for his **visionary** leadership.*

Question 92 :
Select the most appropriate word segment for the underlined word in the given sentence. Pintu has been advised to reduce smoking by his family doctor.

Difficulty : Moderate

Average Time : 61 Seconds

Options :
1. cut down

less down

3. lower down

4. up down

Solution :

The correct answer is **Option 1** i.e. **cut down.**

- The most appropriate word segment to replace the underlined word "reduce" in the given sentence would be "cut down on."
- This answer is grammatically correct because "cut down on" is an idiomatic expression that means to reduce the amount of something, particularly in the context of a habit or activity, which is exactly what Pintu's family doctor advised him to do.
- The use of "reduce" in the original sentence is also grammatically correct and makes sense in the context of the sentence, but "cut down on" is a more appropriate and specific choice in this case.

Thus, the correct sentence is:

Pintu has been advised to <u>cut down </u>smoking by his family doctor.

Question 93 :

Select the most appropriate ANTONYM of the given word. Rebellion

Difficulty : Moderate   **Average Time : 69 Seconds**

Options :

1. Uprising

2. Loyalty

3. Sedition

4. Allotment

Solution :

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

The meanings of the given words are:

- **Rebellion**: The act of defying or resisting an established authority, often in the form of an organized uprising or violent confrontation.
- **Loyalty**: The quality of being faithful and devoted to a person, group, or cause, often demonstrated through unwavering support and allegiance.

Uprising: A sudden and organized outbreak of resistance or rebellion against a government or authority, typically involving a large group of people.

- **Sedition**: The act of inciting or engaging in conduct that undermines the authority or stability of a government or state, often through speech or writing that is deemed seditious or treasonous.
- **Allotment**: The act of assigning or distributing something, typically resources or land, to individuals or groups based on predetermined criteria or rules.

*Thus, the most appropriateantonym for the given word is **Loyalty.***

Question 94 :

Select the most appropriate ANTONYM of the given word. Hospitality

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Complaint

2. Cordiality

3. Coldness

4. Wrathful

Solution :

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

- **Hospitality**: The act of being hospitable or the friendly and generous reception and entertainment of guests, visitors, or strangers.

- **Coldness**: The state or quality of being cold, unfriendly, or unresponsive, often indicating a lack of emotion or warmth.

- **Complaint**: The expression of dissatisfaction or criticism about something, often related to a problem, issue, or perceived injustice.

- **Cordiality**: The state or quality of being friendly, warm, and gracious in manner or behavior, often indicating a sincere willingness to be helpful or accommodating.

- **Wrathful**: The state or quality of being extremely angry or full of wrath, often indicating a strong and intense emotion.

STUDY CONTENTS THAT GET YOU SELECTED

5 LAKH+ STUDENTS
Already enrolled with our
selection focused courses.

30+ EXPERT INSTRUCTORS
Our instructors are the best
In the industry

10000+ HOURS OF VIDEOS
All videos are well-explained for you
to get every bit out of the videos

FREE PDF

Thus, the most appropriate antonym for the given word is **Coldness.**

Question 95 :

Select the sentence with the appropriate use of adverb of manner.

Difficulty : Moderate   **Average Time : 70 Seconds**

Options :
1. He done his work regularly.
2. He has just done his work.
3. He does his work carefully
4. He has done his work on my table.

Solution :

The correct answer is **option 3** i.e. **He does his work carefully.**

- An adverb of manner is a word that describes how an action or activity is carried out. It usually answers the question "how?" in a sentence.
- Out of the four given sentences, the third sentence "He does his work carefully" includes the appropriate use of the adverb of manner "carefully."
- This sentence describes how the action of doing work is carried out, indicating the manner in which it is done.
- The other sentences do not include adverbs of manner or include adverbs that do not describe how the action was performed.

Therefore, the sentence "He does his work carefully" is the appropriate sentence with the correct use of an adverb of manner.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Digital India can be the prime (1)_____ behind making a reality of the government's promise of minimum government, maximum governance. Such a transformation requires technology to be firmly (2)_____ into government, something that the Digital India project lists as one of its foremost objectives. Embedding technology into government (3) _____ will do three things; transform the government and make it more transparent and efficient, transform the lives of citizens especially those at the bottom of the (4)_____ pyramid and make our economy more efficient and competitive. A 2014 McKinsey Global Institute report predicts that the large-scale (5) _____ of technology through Digital India positions India with the biggest opportunity yet to accelerate economic growth.

Question 96 :

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

Difficulty : Moderate

Average Time : 108 Seconds

Options :

1. impact

2. might

3. factors

4. force

Solution :

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

The meaning of the given words is:

- **Force:** strength or energy as an attribute of physical action or movement.
- **Impact:** a marked effect or influence.
- **Might:** used tentatively to ask permission or to express a polite request.
- **Factors:** a circumstance, fact, or influence that contributes to a result.

Thus, the most appropriate filler for the given blank is **force**.

Therefore, the correct sentence is:

Digital India can be the prime **force** *behind making a reality of the government's promise of minimum government, maximum governance.*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Digital India can be the prime (1)_____ behind making a reality of the government's promise of minimum government, maximum governance. Such a transformation requires technology to be firmly (2)_____ into government, something that the Digital India project lists as one of its foremost objectives. Embedding technology into government (3) _____ will do three things; transform the government and make it more transparent and efficient, transform the lives of citizens especially those at the bottom of the (4)_____ pyramid and make our economy more efficient and competitive. A 2014 McKinsey Global Institute report predicts that the large-scale (5) _____ of technology through Digital India positions India with the biggest opportunity yet to accelerate economic growth.

Question 97 :

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

Difficulty : Moderate   **Average Time : 101 Seconds**

Options :

1. inserted

2. embedded

3. planted

4. stuck

Solution :

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

The meanings of the given words are:

- **Embedded:** existing or firmly attached within something or under a surface
- **Inserted:** place, fit, or push (something) into something else.
- **Planted:** set or place in a particular position.
- **Stuck:** push a sharp or pointed object into or through (something).

Thus, the most appropriate filler for the given blank is **embedded.**

Therefore, the correct sentence is:

*Such a transformation requires technology to be firmly **embedded** into government, something that the Digital India project lists as one of its foremost objectives.*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Digital India can be the prime (1)_____ behind making a reality of the government's promise of minimum government, maximum governance. Such a transformation requires technology to be firmly (2)_____ into government, something that the Digital India project lists as one of its foremost objectives. Embedding technology into government (3) _____ will do three things; transform the government and make it more transparent and efficient, transform the lives of citizens especially those at the bottom of the (4)_____ pyramid and make our economy more efficient and competitive. A 2014 McKinsey Global Institute report predicts that the large-scale (5) _____ of technology through Digital India positions India with the biggest opportunity yet to accelerate economic growth.

Question 98 :

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

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

Options :

1. offices
2. details
3. processes
4. hierarchies

Solution :

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

The meaning of the given words is:

- **Processes**: Refers to a series of actions or steps taken in order to achieve a particular goal or outcome.

- **Offices**: Refers to a place or room used for conducting administrative or professional work, often in a formal or official capacity.

- **Details**: Refers to specific and precise information or facts about something.

- **Hierarchies**: Refers to a system or organization in which people or groups are ranked or ordered according to status, authority, or importance.

Thus, the most appropriate filler for the given blank is **processes.**

Therefore the correct sentence is:

Embedding technology into government **processes** *will do three things.*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Digital India can be the prime (1)_____ behind making a reality of the government's promise of minimum government, maximum governance. Such a transformation requires technology to be firmly (2)_____ into government, something that the Digital India project lists as one of its foremost objectives. Embedding technology into government (3) _____ will do three things; transform the government and make it more transparent and efficient, transform the lives of citizens especially those at the bottom of the (4)_____ pyramid and make our economy more efficient and competitive. A 2014 McKinsey Global Institute report predicts that the large-scale (5) _____ of technology through Digital India positions India with the biggest opportunity yet to accelerate economic growth.

Question 99 :

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

Difficulty : Moderate   **Average Time : 106 Seconds**

Options :

1. mythical

2. proverbial

3. hypothetical

4. classified

Solution :

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

The meaning of the given sentence is:

- **Proverbial**: Refers to something that is well-known, often as a result of being referred to in a proverb or common saying. It can also refer to something that is widely regarded as being characteristic of a particular person or group.
- **Mythical**: Refers to something that is based on or described in mythology, which is a collection of stories and beliefs about supernatural beings and events. It can also refer to something that is imaginary or fictitious, often involving creatures or beings from mythology.
- **Hypothetical**: Refers to something that is based on a hypothesis or assumption, rather than being proven or established as a fact. It can also refer to something that is proposed as a possible explanation or solution to a problem, but has not been confirmed or proven.
- **Classified**: Refers to something that is organized or categorized according to a particular system or criteria. It can also refer to information or documents that have been designated as confidential or secret, and are therefore restricted or protected from public access or dissemination.

Thus, the most appropriate filler for the given word is **proverbial.**

Therefore, the correct sentence is:

*"...transform the government and make it more transparent and efficient, transform the lives of citizens especially those at the bottom of the **proverbial** pyramid and make our economy more efficient and competitive."*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Digital India can be the prime (1)_____ behind making a reality of the government's promise of minimum government, maximum governance. Such a transformation requires technology to be firmly (2)_____ into government, something that the Digital India project lists as one of its foremost objectives. Embedding technology into government (3) _____ will do three things; transform the government and make it more transparent and efficient, transform the lives of citizens especially those at the bottom of the (4)_____ pyramid and make our economy more efficient and competitive. A 2014 McKinsey Global Institute report predicts that the large-scale (5) _____ of technology through Digital India positions India with the biggest opportunity yet to accelerate economic growth.

Question 100 :

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

Difficulty : Moderate

Average Time : 135 Seconds

Options :

1. enhancement

2. anticipation

3. adaptation

4. monitoring

Solution :

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

The meaning of the given words is:

- **Adaptation:** the action or process of adapting or being adapted.
- **Enhancement:** an increase or improvement in quality, value, or extent.
- **Anticipation:** the action of anticipating something; expectation or prediction.
- **Adaptation:** a modification of an organism or its parts that makes it more fit for existence.
- **Monitoring**: observe and check the progress or quality of (something) over a period of time; keep under systematic review.

Thus, the most appropriate filler for the given blank is **adaptation.**

Therefore, the correct sentence is:

*A 2014 McKinsey Global Institute report predicts that the large-scale **adaptation** of technology through Digital India positions India with the biggest opportunity yet to accelerate economic growth.*

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-12-01 in the Morning 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.

STUDY CONTENTS THAT GET YOU SELECTED

5 LAKH+ STUDENTS
Already enrolled with our
selection focused courses.

30+ EXPERT INSTRUCTORS
Our instructors are the best
In the industry

10000+ HOURS OF VIDEOS
All videos are well-explained for you
to get every bit out of the videos

FREE PDF

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Logical Reasoning

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

Quantitative Aptitude

1. Arithmetic - 25

General Awareness

1. GK Misc - 25

English Language

1. Cloze Test - 5
2. Spotting Error - 2
3. Parajumbles - 1
4. Idioms - 2
5. Narration - 1
6. Voice - 2
7. Sentence Improvement - 4
8. Synonym - 1
9. Antonym - 2
10. Filler (Vocab) - 2

12. Incorrectly Spelt - 3

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.

Daily Current Affairs

STUDY CONTENTS THAT GET YOU SELECTED

5 LAKH+ STUDENTS
Already enrolled with our selection focused courses.

30+ EXPERT INSTRUCTORS
Our instructors are the best In the industry

10000+ HOURS OF VIDEOS
All videos are well-explained for you to get every bit out of the videos

FREE PDF

KD Live is providing Current Affairs on a daily basis for SSC and a Current Affairs Quiz too for the practice.

KD Live Free Offerings

KD Live is Offering Every Information and Study Material required for the self study. Please click on the following links for accessing those.

Study Plan
General Science
General Awareness
General Knowledge
Quantitative Aptitude
Logical Reasoning

Page No: 81

Follow us on

Address : 1997, Mukherjee Nagar, 110009
Email : online@kdcampus.org
Call : +91 95551 08888

Download the App
GET IT ON Google Play

Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

For Asking any query on Ssc Cgl Tier I Previous Year Question Paper please mail Send Email or you can fill the form at KD Live.

About KD Live

KD live has an expertise in providing apt explanations for the Ssc Cgl Tier I Previous Year Question Paper since 2008. More than 10 lakh aspirants have cleared competitive exams under the guidance of Neetu Mam. Study.kdcampus.live is providing free information on various topics and for the Ssc Cgl Exam you can refer the following link Click Here however if you want to practice more questions then please refer the following link Click Here.

About Neetu Mam

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.