



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 2022-04-11 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 :

A sold a mobile phone to B at a gain of 25% and B sold it to C at a loss of 10%. If C paid Rs. 5,625 for it, how much did A pay (in Rs) for the phone?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 4,500
2. 4,800
3. 5,100
4. 5,000

Solution :

The correct answer is **option 4** i.e. **5,000**

Let the cost price of mobile phone for A = $200x$

Now he sold it to B on profit of 25%, hence A sold it for = $200 + 1/4$ of $200 = 200 + 50 = 250x$

Now B sold it to C on loss of 10%, hence B sold it for = $250 - 1/10$ of $250 = 250 - 25 = 225x$

Now according to question,

$$225x = \text{Rs. } 5625$$

$$x = 5625/225 = 25$$

Hence A paid for it = $200x = 200 \times 25 = \text{Rs. } 5000$

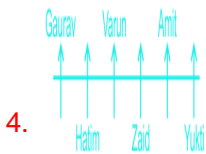
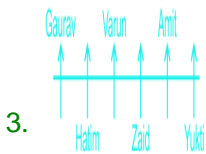
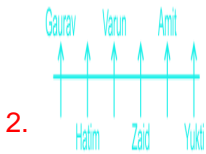
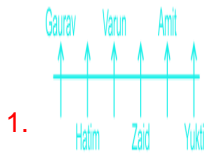
Question 2 :

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

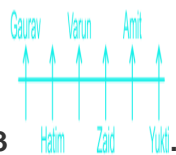
Difficulty : Moderate

Average Time : 51 Seconds

Options :



Solution :



The correct answer is **option 3**

The given figure is embedded in option 3, as shown below:



Question 3 :

In a certain language, CHHAPAK is coded as DJKEUGR. How will MALANGA be coded in that language?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. NCEOSMC
2. NCOCMSC
3. NCOCSMC
4. NCOESMH

Solution :

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

The logic used here is:

CHHAPAK is coded as DJKEUGR

$$C + 1 = D$$

$$H + 2 = J$$

$$H + 3 = K$$

$$A + 4 = E$$

$$P + 5 = U$$

$$A + 6 = G$$

$$K + 7 = R$$

Similarly;

Code for the word MALANGA:

$$M + 1 = N$$

$$A + 2 = C$$

$$L + 3 = O$$

$$A + 4 = E$$

$$N + 5 = S$$

$$G + 6 = M$$

$$A + 7 = H$$



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

Question 4 :

Select the number from among the given options that can replace the question mark (?) in the following series. 5, 18, 70, 278, ?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 328
2. 298
3. 592
4. 1110

Solution :

The correct answer is **option 4** i.e. **1110**.

Given series: 5, 18, 70, 278, ?

The series follows the pattern:

$$(5 \times 3) + (5 - 2) = 15 + 3 = 18$$

$$(18 \times 3) + (18 - 2) = 54 + 16 = 70$$

$$(70 \times 3) + (70 - 2) = 210 + 68 = 278$$

$$(278 \times 3) + (278 - 2) = 834 + 276 = 1110$$

So, the next term in the series is **1110**.

Question 5 :

Select the number from among the given options that can replace the question mark (?) in the following series. 237, 196, 155, 114, ?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 98
2. 73
3. 64



47

Solution :

The correct answer is **option 2** i.e. **73**.

Given series: 237, 196, 155, 114, ?

The series follows the pattern:

$$237 - 41 = 196$$

$$196 - 41 = 155$$

$$155 - 41 = 114$$

$$114 - 41 = 73$$

So, the next term in the series is **73**.

Question 6 :

Six letters and symbols, H, h, I @, %, and \$, are written on the different faces of a dice. Two positions of this dice are shown. Select the letter or symbol that will be on the face opposite to the one having 'H'.

Difficulty : Moderate**Average Time : 47 Seconds****Options :**

1. @

2. \$

3. %

4. h

Solution :

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

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

Clockwise direction:

Dice 1: I H %

Dice 2: I @ h

So, H is opposite to @.

Anticlockwise direction:

Dice 1: I % H

Dice 2: I h @

So, H is opposite to @.

Hence, @ is the correct answer.

Question 7 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary 1. Petitionary 2. Petitioning 3. Petition 4. Petitioners 5. Petitioned

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 3, 1, 4, 5, 2

2. 3, 1, 5, 4, 2

3. 4, 1, 2, 3, 5

4. 1, 2, 3, 4, 5

Solution :

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

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

So the arrangement is;

1. **Petition**

2. **Petitionary**

3. **Petitioned**

4. **Petitioners**

5. **Petitioning**

Hence, the correct answer is **3,1,5,4,2**

Question 8 :

Select the option that is related to the third term in the same way as the second term is related to the first term. BACTERIA : EXFWBUXF :: WOUNDS : ?



Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. ZLSQFW
2. ZLRQGV
3. YLRQFV
4. ZRXQGV

Solution :

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

The logic used here is:

Consonants + 3 = Code

Vowels - 3 = Code

BACTERIA: EXFWBUF~~X~~

B + 3 = E

A - 3 = X

C + 3 = F

T + 3 = W

E - 3 = B

R + 3 = U

I - 3 = F

A - 3 = X

Similarly,

WOUNDS:?
W + 3 = Z

O - 3 = L

U - 3 = R

N + 3 = Q



$$D + 3 = G$$

$$S + 3 = V$$

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

Question 9 :

If '@' means 'addition', '%' means 'multiplication', '\$' means 'division' and '#' means 'subtraction', then find the value of the following expression. $29 @ 128 \$ 16 \% 7 \# 22$

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 47

2. 58

3. 63

4. 23

Solution :

The correct answer is **option 3** i.e. **63**.

Given equation: $29 @ 128 \$ 16 \% 7 \# 22$

Given conditions:

@ +

% ×

\$ ÷

-

The expression becomes:

$$= 29 @ 128 \$ 16 \% 7 \# 22$$

$$= 29 + 128 \div 16 \times 7 - 22$$

$$= 28 + 8 \times 7 - 22$$

$$= 63$$

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

Question 10 :



Select the option that is related to the third number in the same way as the second number is related to the first number.
223 : 350 :: 519 : ?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 736
2. 687
3. 654
4. 645

Solution :

The correct answer is **option 1** i.e. **736**.

The logic used here is:

$$223 : 350$$

$$223 = 2 + 2 + 3 + 1 = 8$$

$$350 = 3 + 5 + 0 = 8$$

Similarly,

$$519 : ?$$

$$519 = 5 + 1 + 9 + 1 = 16$$

Option 1: 736

$$736 = 7 + 3 + 6 = 16$$

Hence, **736** is the correct answer.

Question 11 :

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

Difficulty : Moderate

Average Time : 45 Seconds

Options :

- 1.

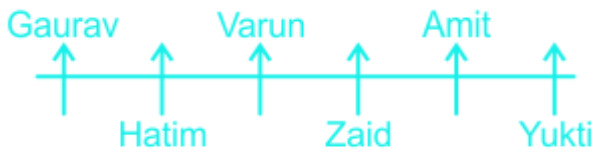
- 1.
- 2.
- 3.
- 4.

Solution :



The correct answer is **option 3**

After unfolding, the paper will appear as follows:



Question 12 :

Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 18

17

3. 21

4. 19

Solution :

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

The logic used here is:

Figure 1:

$$48 \div 8 = 6; 42 \div 14 = 3$$

$$6 \times 3 = 18$$

Figure 2:

$$63 \div 21 = 3; 45 \div 9 = 5$$

$$5 \times 3 = 15$$

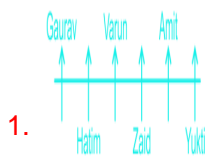
Figure 3:

$$56 \div 8 = 7; 51 \div 17 = 3$$

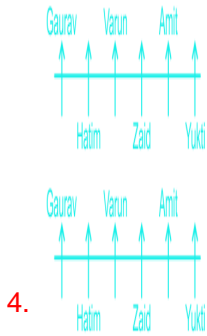
$$7 \times 3 = 21$$

Question 13 :

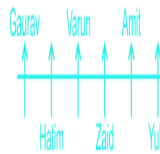
Select the figure from among the given options that can replace the question mark (?) in the following series.

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

3.



Solution :



The correct answer is **option 2**

The logic used here is:

1. The three figures at the top rotate in this manner
Outer figure in a clockwise direction
Inner figure in an anti-clockwise direction.
2. The two figures at the bottom interchange their positions.

The series of figures:



Question 14 :

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

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. PMN
2. GTQ
3. SPK

JGT**Solution :**

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

The logic used here is:

1st letter - 3 = 2nd letter

Opposite of 2nd letter = 3rd letter

Option 1: PMN

P - 3 = M

Opposite of M = N

This follows the logic.

Option 2: GTQ

G - 3 = D

Opposite of D = W

This does not follow the logic.

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

Question 15 :

Mohit and Sudesh bought pens and notebooks from the same shop. Mohit bought 3 pens and 6 notebooks by paying an amount of ₹1180. Sudesh bought 5 pens and 2 notebooks by paying an amount of ₹116. How much did Mohit spend on buying notebooks?

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

1. Rs 84
2. Rs 115
3. Rs 138
4. Rs 122

Solution :

The correct answer is **option 3** i.e. **Rs 138**.



Let the cost of one pen = Rs x

And the cost of one notebook = Rs y

According to the question;

1. $3x + 6y = 180$

$$y = (180 - 3x) / 6$$

2. $5x + 2y = 116$

$$5x + 2((180 - 3x) / 6) = 116$$

Solving these two linear equations;

$$x = 14 \text{ and } y = 23$$

So, cost of one pen = Rs 14.

Cost of one notebook = Rs 23

Mohit spent $6y = 6(23) = 138$ rupees on buying notebooks.

Question 16 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. TSF, RPJ, PMN, NJR, ?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. LGN
2. KGU
3. LGV
4. JFV

Solution :

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

Given series: TSF, RPJ, PMN, NJR, ?

The series follows the pattern:

TSF, RPJ

$T - 2 = R$

$S - 3 = P$

$F + 4 = J$

Similarly;

$NJR, ?$

$N - 2 = L$

$J - 3 = G$

$R + 4 = V$

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

Question 17 :

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 flowers are beautiful. Vaidehi is beautiful. Conclusions: I. Vaidehi is a flower. II. Some beautiful are flowers.

Difficulty : Moderate

Average Time : 63 Seconds

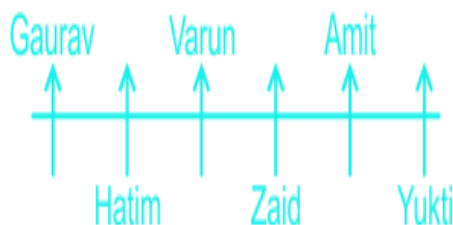
Options :

1. Only conclusion I follows.
2. Only conclusion II follows.
3. Both the conclusions follow
4. Only conclusion II follows.

Solution :

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

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



Conclusions:

I. Vaidehi is a flower **False** (It is possible, but no definite conclusion can be drawn).

II. Some beautiful are flowers **True** (As all flowers are beautiful, so some beautiful are also flowers).

Hence, the correct answer is **Only conclusion II follows**.

Question 18 :

Saloni is the daughter of the only son of Kartik. Nirupama is the mother of Deepak. Yamini's only son, Ankit, is married to Nirupama. Kartik is the paternal grandfather of Deepak. How is Kartik related to Ankit?

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

1. Brother
2. Son
3. Father
4. Parental uncle

Solution :

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

Saloni is the daughter of the only son of Kartik.

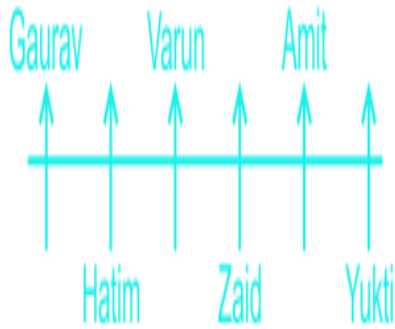
Nirupama is the mother of Deepak.

Yamini's only son, Ankit, is married to Nirupama.

Kartik is the paternal grandfather of Deepak.

In the diagram shown;

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



From the above figure, Kartik is the father of Ankit.

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

Question 19 :

Gaurav exits from the backdoor of his north-facing house and walks 25m straight, then he takes a left turn and walks 36m, then he turns left and walks 47m. He turns left again and walks 36m. How far and in which direction is he from his house now?

Difficulty : Moderate

Average Time : 72 Seconds

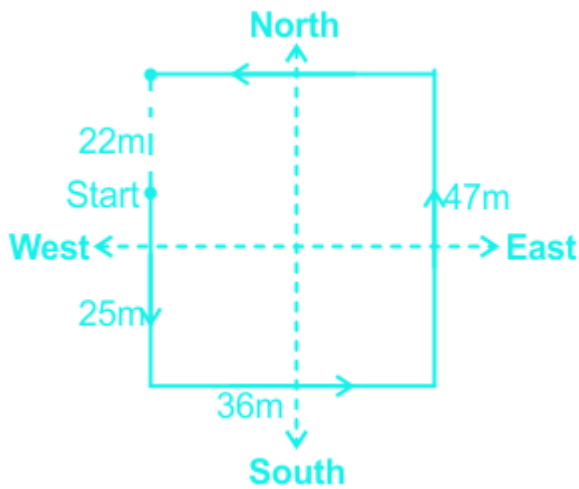
Options :

1. 22m, North
2. 11m, North
3. 22m, South
4. 11m, South

Solution :

The correct answer is **option 1** i.e. **22m, North**.

Using the above information we can draw the following diagram:



From the figure, Gaurav is 22 meters from his home in the North direction.

Hence, **22m, North** is the correct answer.

Question 20 :

Select the correct water image of the given combination of letters.

Difficulty : Moderate

Average Time : 48 Seconds

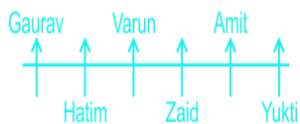
Options :

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

Solution :

The correct answer is **option 4**

The water image of the question figure is shown below:



In the water image of the given figure, the top and bottom of the figure get interchanged i.e. top becomes the bottom and the bottom becomes the top.

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

Question 21 :

Select the set of classes the relationship among which is best illustrated by the following Venn diagram.

Difficulty : Moderate

Average Time : 69 Seconds

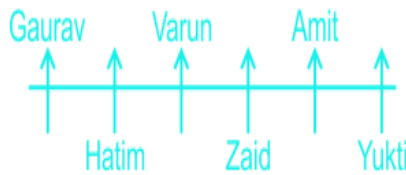
Options :

1. Fathers, Brothers, Males
2. Mothers, Aunts, Doctors
3. Literates, Engineers, Farmers
4. Grandfathers, Fathers, Males

Solution :

The correct answer is **option 4** i.e. **Grandfathers, Fathers, Males**.

The possible Venn diagram is:



All grandfathers are males.

All fathers and grandfathers are males.

Hence, the diagram given above shows the best relationship between them.

Question 22 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
 _ Z _ C _ L Z _ C _ L _ X _ V L _ _ _ V

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. L, X, V, V, X, C, C, X, Z, Z
2. L, X, C, X, V, C, Z, C, Z, C
3. X, Z, L, X, V, Z, C, C, C, L

L, X, V, X, V, Z, C, Z, X, C

Solution :

The correct answer is **option 4** i.e. **L, X, V, X, V, Z, C, Z, X, C**.

The sequence is – L, Z, X, C, V

Given sequence: _ Z _ C _ L Z _ C _ L _ X _ V L _ _ _ V

Option 1: L, X, V, V, X, C, C, X, Z, Z

L Z X C V / L Z V C X / L C X C V / L X Z Z V

Option 2: L, X, C, X, V, C, Z, C, Z, C

L Z X C C / L Z X C V / L C X Z V / L C Z C V

Option 3: X, Z, L, X, V, Z, C, C, C, L

X Z Z C L L Z X C V L Z X C V L C C L V

Option 4: L, X, V, X, V, Z, C, Z, X, C

L Z X C V / L Z X C V / L Z X C V / L Z X C V

Option 4 forms a particular pattern.

Hence, **L, X, V, X, V, Z, C, Z, X, C** is the correct answer.

Question 23 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation. $60 * 48 * 36 * 6 * 15 * 53$

Difficulty : Moderate

Average Time : 119 Seconds

Options :

1. +, ÷, ×, , =

2. +, ÷, , ×, =

3. ÷, +, ×, , =

4. ×, ÷, +, , =

Solution :

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



Given equation: $60 * 48 * 36 * 6 * 15 * 53$

Let us check all the options:

Option 1: +, ÷, ×, , =

The expression becomes:

$$= 60 + 48 \div 36 \times 6 - 15 = 53$$

= 53 is equal to 53.

As we have found our answer, we do not need to check the other options.

Hence, +, ÷, ×, , = is the correct answer.

Question 24 :

Amit, Gaurav, Hatim, Varun, Yukti, and Zaid are sitting in a straight line, all facing north. Gaurav is fourth to the left of Amit. Yukti is sitting in one corner. Hatim is fourth to the left of Yukti. Zaid is third to the right of Gaurav. Who is sitting in second place to the left of Zaid?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Yukti
2. Varun
3. Hatim
4. Amit

Solution :

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

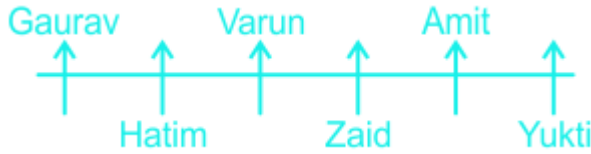
Gaurav is fourth to the left of Amit.

Yukti is sitting in one corner.

Hatim is fourth to the left of Yukti.

Zaid is third to the right of Gaurav.

According to the question, the arrangement is as follows:



From the above arrangement, Hatim is sitting in second place to the left of Zaid.

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

Question 25 :

In a certain code language, 'CROWD' is coded as 23415924 and 'TRHICK' is coded as 162491997. How will 'FRUGAL' be coded in that language?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 1221021186
2. 1226761821
3. 1521012291
4. 1512021921

Solution :

The correct answer is **option 4** i.e. **1512021921**.

The logic used here is:

'CROWD' is coded as 23415924

Opposite of C = X = 24

Opposite of R = I = 9

O = 15

Opposite of W = D = 4

Opposite of D = W = 23

CROWD = 23415924

Similarly;

Code for the word FRUGAL:

Opposite of F = U = 21

Opposite of R = I = 9

U = 21

Opposite of G = T = 20

A = 1

Opposite of L = O = 15

CROWD = 1512021921

Hence, **1512021921** is the correct answer.

Question 26 :

In a certain code language, 6219 means 'Sachin is a cricketer' and 2646 means 'He played from Mumbai'. Which of the following is the code for 'Mumbai is very famous'?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 7945
2. 2458
3. 6246
4. 6285

Solution :

The correct answer is **option 3** i.e. **6246**.

6219 means 'Sachin is a cricketer' and 2646 means 'He played from Mumbai'

Code for the word Sachin = Number of letters in the word = 6

Code for the word is = Number of letters in the word = 2

Code for the letter a = Number of letters in the word = 1

Code for the word cricketer = Number of letters in the word = 9

Code for the word he = Number of letters in the word = 2

Code for the word played = Number of letters in the word = 6

Code for the word from = Number of letters in the word = 4

Code for the word Mumbai = Number of letters in the word = 6

Similarly;

Code for the phrase, 'Mumbai is very famous' = 6246

Question 27 :

The British East India Company captured Pondicherry (Puducherry) from the French in the year _____.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 1674
2. 1699
3. 1738
4. 1761

Solution :

The correct answer is **option 4** i.e. **1761**.

The British East India Company captured Puducherry in **1761** from the French and restored the French Company administration by the **Treaty of Paris in 1763**.

- **Pondicherry** is a union territory in India.
- Pondicherry was the capital of the French colony in India. Pondicherry is also called '**India's Little France**'.
- The French laid their supremacy on Pondicherry in the year 1673. French East India Company set up a **trading center at Pondicherry in 1674**.
- Puducherry comprises the erstwhile French colonies viz. **Puducherry, Karaikal, Mahe, and Yanam**.
 - The Puducherry and Karaikal regions are surrounded by Tamilnadu.
 - Mahe is surrounded by Kerala.
 - Yanam is surrounded by Andhra Pradesh.
- **Pondicherry was under French rule for 138 years**.
- The British East India Company returned the Puducherry to the French East India Company in 1816.
- It was merged with the Indian Union on 1st November 1954.
- Puducherry became officially an integral part of India in 1963
- Pondicherry was renamed Puducherry in 2006.

Question 28 :

Who among the following Rajput rulers defeated Muhammad Ghori in the First Battle of Tarain in 1191 AD?

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. Maldeo Rathore
2. Rana Kumbha
3. Prithviraj Chauhan
4. Bappa Rawal

Solution :

The correct answer is **option 3** i.e. **Prithviraj Chauhan**.

- **The First Battle of Tarain**, also known as the **First Battle of Taroari**, took place near Tarain in 1191 between an invading Ghurid army led by Muhammad of Ghor and a Rajput confederacy led by **Prithviraj Chauhan**.
- The Rajput army of Chauhan defeated the **army of Mohammad Ghori**.
- Prithviraj Chauhan was the ruler of Delhi and Aimer. He was a very courageous and courageous ruler. He was also known as **Rai Pithora**.

Question 29 :

The allocation towards health and well-being was increased by _____ over the previous year in Union Budget 2021-22.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 140%
2. 125%
3. 137%
4. 100%

Solution :

The correct answer is **option 3** i.e. **137%**.

A) India's overall allocation for health and well-being has soared by **137%** in the financial year **2021-22** to **Rs. 2.23 lakh crore** compared to the budgeted spending in 2020-21 as the country seeks to boost the capacity of its healthcare system to detect and cure new and emerging diseases in the aftermath of the Covid-19 pandemic.

Question 30 :

Which of the following is also known as the 'White Mountain'?



Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Cho Oyu
2. Lhotse
3. Dhaulagiri I
4. Makalu

Solution :

The correct answer is **option 3** i.e. **Dhaulagiri I**.

A) **Dhaulagiri I** is located in the Dhaulagiri mountain range of the Nepal Himalayas. Dhaulagiri I is known as the **White Mountain**. Dhaulagiri, at 8,167 meters above sea level, is the world's **seventh-tallest mountain** and the highest mountain within **a single country's borders**.

B) When Dhaulagiri I was **discovered in 1808**, it was thought to be the highest mountain peak in the world. It was the highest peak for 30 years, then Kanchenjunga took its place.

Question 31 :

Pneumatophores are specialised _____ in hydrophytes.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Fruits
2. Roots
3. Flowers
4. Seeds

Solution :

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

A) **Pneumatophores** are specialized aerial roots that enable plants to breathe air in habitats that have waterlogged soil. These roots may grow down from the stem or up from typical roots. For example- the Mangrove family of plants (Rhizophoraceae).

Question 32 :

Which of the following is an Indirect Tax in India?



Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Goods and Services Tax
2. Corporate Tax
3. Income Tax
4. Capital Gains Tax

Solution :

The correct answer is **option 1** i.e. **Goods and Services Tax**.

- **Indirect tax** is the tax levied on the consumption of goods and services.
- It is not directly levied on the income of a person. Instead, he/she has to pay the tax along with the price of goods or services bought by the seller.
- Examples: Sales tax, per unit tax, value added tax (VAT), goods and services tax (GST), excise, consumption tax, and tariff.

Question 33 :

Which of the following statements is/are correct? I. Only marketed goods are considered while estimating Gross Domestic Product (GDP). II. The work done by a woman at her home is outside the purview of Gross Domestic Product. III. In estimating GDP, only final goods and services are considered.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Only I and III
2. Only II
3. I, II and III
4. Only II and III

Solution :

The correct answer is **option 3** i.e. **I, II and III**.

Gross Domestic Product is the total production of goods and services within the economic territory of the country for a specified time.

- It is calculated for finished and final goods and services.
- **GDP = C + I + G + (X-I)** is the formula through which GDP is calculated.



C is consumption, i.e. the money spent on the consumption of food, rent, jewelry, etc.

- **I is Investment**, i.e. this includes the construction of a new mine, purchase of software, or purchase of machinery and equipment for a factory. Spending by households (not the government) on new houses is also included in Investment.
- **G is Government spending**, i.e. the sum of government expenditures on final goods and services. It includes salaries of public servants, the purchase of weapons for the military, etc.
- **X is export**, i.e. it is the goods or services produced for the consumption of other nations.
- **I is Import**, i.e. it is the goods and services purchased from other nations.

Question 34 :

_____ was an important port city in ancient India.

Difficulty : Moderate**Average Time : 87 Seconds****Options :**

1. Tamralipti
2. Ahichhatra
3. Champa
4. Shravasti

Solution :

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

A) **Tamralipta or Tamralipti** was a port city and capital of the Suhma kingdom in **ancient Bengal**, located on the coast of the **Bay of Bengal**. The town of Tamluk, in present-day Purba Medinipur, West Bengal, is generally recognized as the site of Tamralipti.

B) Tamralipta was surrounded by the Bay of Bengal in the south, the Rupnarayan river in the east and the **Subarnarekha river in the west**.

Question 35 :

With which of the following oceans would you associate the 'Ring of Fire'?

Difficulty : Moderate**Average Time : 53 Seconds****Options :**

1. Pacific Ocean
2. Indian Ocean

Atlantic Ocean

4. Arctic Ocean

Solution :

The correct answer is **option 1** i.e. **Pacific Ocean**.

The **Ring of Fire**, also referred to as the **Circum-Pacific Belt**, is a path along the **Pacific Ocean** characterized by active volcanoes and frequent earthquakes.

- It is largely a result of Plate tectonics where the massive Pacific Plate interacts with less-dense plates surrounding it.
- The majority of Earth's volcanic eruptions and earthquakes take place along the **Ring of Fire**.
- The Ring of Fire is stretched to approximately **40,000 kilometers (24,900 miles)** tracing boundaries between several tectonic plates including the Pacific, Juan de Fuca, Cocos, Indian-Australian, Nazca, North American, and Philippine Plates.
- **Bolivia, Chile, Ecuador, Peru, Costa Rica, Guatemala, Mexico, United States, Canada, Russia, Japan, Philippines, Australia, Papua New Guinea, Indonesia, New Zealand, and Antarctica** are some of the important places located in the Ring of Fire.

Question 36 :

Who among the following became the Chief Minister of Uttarakhand in March 2021?

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. Madan Kaushik
2. Dhan Singh Rawat
3. BC Khanduri
4. Tirath Singh Rawat

Solution :

The correct answer is **option 4** i.e. **Tirath Singh Rawat**.

- Tirath Singh Rawat became the Chief Minister of Uttarakhand in March 2021. He was the Lok Sabha MP from Pauri in Uttarakhand,
- The appointment of Tirath Singh Rawat as the Chief Minister of Uttarakhand comes after Trivendra Singh Rawat resigned from the post.
- Pushkar Singh Dhama is the current Chief Minister of Uttarakhand(2022).

Question 37 :

In which of the following states/union territories was an election NOT held during March-April 2021?



Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. West Bengal
2. Bihar
3. Tamil Nadu
4. Puducherry

Solution :

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

No elections were held in **Bihar** during **March-April 2021**.

The list of states where elections were held in March and April 2021 are:

- West Bengal
- Assam
- Kerala
- Tamilnadu
- Puducherry

Question 38 :

Who among the following is the author of the book 'The Secret of the Veda'?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Swami Vivekananda
2. Annie Besant
3. Sri Aurobindo
4. J Krishnamurti

Solution :

The correct answer is **option 3** i.e. **Sri Aurobindo**.

The book '**The Secret of the Veda**' was written by Sri Aurobindo. This volume comprises Sri Aurobindo's writings on and translations of the Rig Veda that were published in the monthly review '**Arya**' between **1914 and 1920**.

Question 39 :



Which of the following teams won the Indian Super League 2020-21?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Kerala Blasters FC
2. ATK Mohun Bagan
3. Mumbai City FC
4. NorthEast United FC

Solution :

The correct answer is **option 3** i.e. **Mumbai City FC**.

A) Ahead of the seventh edition of the Indian Super League(2020-21), FC Goa's former head coach Sergio Lobera was handed the reins of Mumbai City FC to change the fortunes of the club. As it turned out, it was a masterstroke as **Mumbai City FC won their maiden ISL title by defeating ATK Mohun Bagan 2-1 at the Fatorda Stadium.**

B) **Hyderabad FC** defeated **Kerala Blasters FC** 3-1 in the penalty shootout to clinch their maiden Indian Super League title(2021-22) at the Pandit Jawaharlal Nehru Stadium in Fatorda, Goa.

Question 40 :

The theme for International Mother Earth Day, 2021 was '_____'.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Climate Action
2. Restore our Earth
3. End Plastic Pollution
4. Protect our Species

Solution :

The correct answer is **option 2** i.e. **Restore our Earth**.

The theme for International Mother Earth Day, 2021 was '**Restore our Earth**'.

- **World Earth Day**, also known as **International Mother Earth Day**, is celebrated every year on **April 22**.
- World Earth Day 2022 will mark the **52nd Anniversary of the day** since it started being observed in **1970**. Earth Day was renamed officially by the UN in 2009 as International Mother Earth Day.



The theme of Earth Day 2022 is to 'Invest in our planet'.

Question 41 :

Which of the following amendments of the Constitution of India added a new fundamental duty under Article 51A?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 87th Amendment Act, 2003
2. 88th Amendment Act, 2003
3. 86th Amendment Act, 2002
4. 85th Amendment Act, 2001

Solution :

The correct answer is **option 3** i.e. **86th Amendment Act, 2002**.

1. Article 51A was not included in the Draft Constitution, 1948. **It was inserted by the Constitution (42nd Amendment) Act, 1976**, and subsequently amended by the Constitution (86th Amendment) Act, 2002.

2. The 86th CAA added a fundamental duty which states that every citizen "who is a parent or guardian, to provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years".

Question 42 :

At least _____ of the carbon dioxide fixation on earth is carried out by algae through photosynthesis.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Quarter
2. One-tenth
3. One-third
4. Half

Solution :

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

At least half of the total carbon dioxide fixation on Earth is carried out by algae through photosynthesis. Being photosynthetic they increase the level of dissolved oxygen in their immediate environment. Carbon dioxide fixation means the conversion of inorganic carbon to organic carbon by living organisms.



Algae are chlorophyll-containing simple, thalloid, autotrophic, and largely aquatic organisms.

- These are found in both freshwater and marine habitats.
- Some algal forms are also found in moist habitats like wet rocks and soil, tree trunks, etc. About 70 species of marine algae are used as food.
- Algae are essential for the **respiration of aquatic life**.

Question 43 :

A Ghatam is a _____.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Small handheld drum that resembles a tambourine
2. Percussion instrument made of leather and jackwood
3. Large, narrow-mouthed earthenware pot used as a percussion instrument
4. Wind instrument made of wood and metal

Solution :

The correct answer is **option 3** i.e. **Large, narrow-mouthed earthenware pot used as a percussion instrument**

The ghatam is large, narrow-mouthed earthenware pot used as a percussion instrument is an ancient Indian percussion instrument that plays a large part in South Indian Carnatic classical music tradition.

- Other names for this instrument include **bada, ghara, matka, and noot**.
- The ghatam is considered an **idiophone** because the whole of it vibrates to produce a sound when struck—unlike membranophones which have drum heads that are struck, like the tabla or mridangam.

Question 44 :

Tribes of the Nicobar Islands pay their respects to the departed soul of the head of the family during the _____.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Ossuary Feast
2. Jagaddhatri Puja
3. Kalpataru Utsav
4. Ganjan Festival

Solution :



The correct answer is **option 1** i.e. **Ossuary Feast**.

A) The most important festival celebrated by the Nicobarese tribe is **Ossuary Feast**. On this festival, family members pay homage to the soul of the departed head of the family. This folk dance is also performed during canoe racing and other seasonal festivals. A pig fight takes place in the morning after a folk dance.

Question 45 :

Which of the following days is celebrated as 'World Water Day'?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 18 February
2. 29 March
3. 22 March
4. 5 April

Solution :

The correct answer is **option 3** i.e. **22 March**.

22 March is celebrated as **World Water Day**. It is celebrated so as to create awareness and seek the attention of people towards the importance of the conservation of water.

- According to the UN, around **2.2 billion people** are living without access to safe water.
- According to the UN, Asia and the Pacific region has the lowest per capita availability of water in the world, with groundwater use in the region expected to decrease by 30% by 2050.
- The theme of World Water Day 2022 was "**Groundwater: Making The Invisible Visible**".

Question 46 :

In which year was the 'Lotteries Regulation Act' passed?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 1991
2. 1993
3. 1999
4. 1998

Solution :

The correct answer is **option 4** i.e. **1998**.

• The Lotteries Regulation Act, 1998:

- The lottery is considered legal in India. Lottery should be organised by the state government and the place of Draw should be in that particular state.
- The court held that 'lottery' is a "species of gambling activity".
- 'Betting and gambling' is part of the state list in the Seventh Schedule of the Constitution.
- In 2020, the Supreme Court held that lottery, gambling and betting are taxable under the Goods and Services Tax (GST) Act, 2017.

Question 47 :

The numerical taxonomy of plants is based on which of the following?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. All observable characteristics
2. Chemical constituents
3. Structure
4. Chromosome number

Solution :

The correct answer is **option 1** i.e. **All observable characteristics**.

A) **Numerical taxonomy** is carried out using computers. It is based on **all observable characteristics**. In numerical taxonomy, numbers and codes are assigned to all the characters and every character is given equal importance.

B) **Plant taxonomy** can be defined as the branch of botany which deals with characterisation, identification, classification and nomenclature of plants based on their similarities and differences.

Question 48 :

According to the Ramsar Convention, which of the following is World Wetlands Day?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 2nd February
2. 15th January



19th December

4. 18th March

Solution :

The correct answer is **option 1** i.e. **2nd February**.

- World Wetlands Day is celebrated every year on **2 February**. This day marks the date of the adoption of the Convention on Wetlands on **2 February 1971**, in the **Iranian city of Ramsar** on the shores of the Caspian Sea.
- **“Wetlands Action for People and Nature”** was the theme for 2022.

Question 49 :

The former Spanish footballer, Antonio Lopez Habas, was the coach at the Hero ISL 2020-21 of which of the following football teams?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. FC Goa
2. ATK Mohun Bagan
3. Kerala Blasters
4. SC East Bengal

Solution :

The correct answer is **option 2** i.e. **ATK Mohun Bagan**.

The former Spanish footballer, **Antonio Lopez Habas**, was the coach at the Hero ISL 2020-21 of **ATK Mohun Bagan**.

- He is a former defender and manager in the **Spanish Professional Football League**.
- On March 15, 2020, he signed the newly created ATK Mohun Bagan.
- ATK Mohun Bagan FC is a **West Bengal** based Indian professional football team.

Question 50 :

An equilateral triangle ABC is inscribed in a circle with centre O. D is a point on the minor arc BC and $\angle CBD = 40^\circ$. Find the measure of $\angle BCD$.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 40°

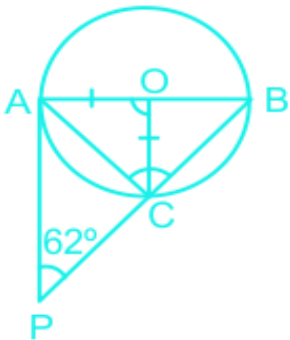
30°

3. 50°

4. 20°

Solution :

The correct answer is **option 4** i.e. 20°



ABC is an equilateral triangle and $\angle CBD = 40^\circ$

$\angle ABC = \angle ACB = \angle BAC = 60^\circ$ [Because tri(ABC) is an equilateral triangle]

Also, $\angle BAC + \angle BDC = 180^\circ$

$= 60^\circ + \angle BDC = 180^\circ$

$\angle BDC = 180^\circ - 60^\circ = 120^\circ$

Also, $\angle CBD + \angle BDC + \angle BCD = 180^\circ$

$= 40^\circ + 120^\circ + \angle BCD = 180^\circ$

$\angle BCD = 180^\circ - 40^\circ - 120^\circ = 20^\circ$

Therefore, The value of BCD is 20°

Question 51 :

On which day was the National Emblem of India adopted?

Difficulty : Moderate

Average Time : 106 Seconds

Options :

1. 15th August 1947

26th January 1959

3. 26th January 1950

4. 15th August 1952

Solution :

The correct answer is **option 3** i.e. **26th January 1950**

National Emblem of India is a representative seal of the Republic of India that is adapted from the **Lion Capital of Ashoka Pillar (based in Sarnath, Uttar Pradesh.)** India adopted it as the State Emblem on **26th January 1950.**

1. The motto of the Indian National Emblem is **'Satyamev Jayate' or 'Truth Alone Triumphs.'**
2. National Emblem is the **symbol of authority** and is present in all the official communications of the government.

Question 52 :

_____ is reducing the degree or intensity of, or eliminating pollution.

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

1. Aeration
2. Aerosol
3. Absorption
4. Abatement

Solution :

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

Abatement is the reduction or elimination of the degree or intensity of pollution. Like- Restoration, improvement, or recovery of natural resources are examples of methods of **reducing the degree or intensity of pollution.**

- Pollution mitigation strategies can be successfully implemented only after the causes of pollution are fully known.
- Sublimation is a physical or chemical phenomenon in which atoms, molecules, or ions enter a macroscopic phase such as a liquid or solid material. Like- Aerosol.
- While Absorption is the primary chemical function of the small intestines. It describes the transfer of nutrients from our diet into circulation. We have specialised mechanisms for the absorption of many substances including carbohydrates, proteins, lipids, iron and calcium.

Question 53 :

The average weight of P and his three friends is 55kg. If P has 4 kg more weight than the average weight of his three



friends, what is P's weight (in kg)?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 60
2. 54
3. 58
4. 62

Solution :

The correct answer is **option 3** i.e. **58**.

Given:

The average weight of P and his three friends = 55kg

Explanation:

Let the weight of P be x kg,

Then total weight of P and her friends = $55 \times 4 = 220$ kg

Then according to question, P has 4 kg more weight than average weight of her 3 friends, thus

$$(220 - x)/3 + 4 = x$$

$$232 = 4x$$

$$x = 58 \text{ kg}$$

Hence the weight of P is 58 Kg.

Question 54 :

The angle of elevation of the top of an unfinished tower at a point distant 78 m from its base is 30° . How much higher must the tower be raised (in m) so that the angle of elevation of the top of the finished tower at the same point will be 60° ?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 523
2. 263

80

4. 783

Solution :

The correct answer is **option 1** i.e. **523**

Let the Initial height of the unfinished tower be h , and the base given as 78 m

then according to question,

$$\tan 30^\circ = h/78$$

$$1/3 = h/78$$

$$h = 78/3 = 783/3 = 263 \text{ m}$$

Now let the height that it must be raised be x , then for the angle of elevation 60° , as the base is constant

$$\tan 60^\circ = (263 + x)/78$$

$$3 = (263 + x)/78$$

$$x = 783 - 263 = 523 \text{ m}$$

Question 55 :

A motorboat whose speed is 20 km/h in still water takes 30 minutes more to go 24 km upstream than to cover the same distance downstream. If the speed of the boat in still water is increased by 2 km/h, then how much time will it take to go 39 km downstream and 30 km upstream?

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

1. 2 h 50 m

2. 3 h 10 m

3. 3 h 40 m

4. 2 h 40 m

Solution :

The correct answer is **option 3** i.e. **3 h 40 m**

Given:

Speed of motorboat in still water = 20 km/h

**Concept USed:**

Time = Distance/speed

Explanation:

Let the stream of speed be 'x'

$$(1/2) = 24/(20 - x) - 24/(20 + x)$$

$$(1/2) = 24(2x/(400 - x^2))$$

$$(1/2) = 48x/(400 - x^2)$$

$$400 - x^2 = 96x$$

$$x^2 + 96x - 400 = 0$$

$$x^2 - 4x + 100x - 400 = 0$$

$$x(x - 4) + 100(x - 4) = 0$$

$$(x - 4)(x + 100) = 0$$

$$x = 4$$

New upstream speed = $22 - 4 = 18$ km/h

New downstream speed = $22 + 4 = 26$ km/h

Time taken = $39/18 + 39/26$

$$13/6 + 3/2 = (13 + 9)/6$$

$22/6$ or $11/3$ 3 hours 40 minutes

Hence it take 3 h 40 min to go 39 km downstream and 30 km upstream.

Question 56 :

If $4 \sin^2 = 3(1 + \cos)$, $0^\circ < \theta < 90^\circ$, then what is the value of $(2 \tan + 4 \sin - \sec)$?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. $415 - 3$

2. $315 - 4$

3. $153 + 3$

153 - 4**Solution :**

The correct answer is **option 2** i.e. **315 - 4**

$$4 \sin^2 = 3(1 + \cos)$$

$$4(1 - \cos^2) = 3(1 + \cos)$$

$$4 - 4\cos^2 = 3 + 3\cos$$

$$4\cos^2 + 3\cos - 1 = 0$$

Let $\cos = t$

$$4t^2 + 3t - 1 = 0$$

$$4t^2 + 4t - t - 1 = 0$$

$$4t(t + 1) - 1(t + 1) = 0$$

$$(4t - 1)(t + 1) = 0$$

$$\cos = -1 \text{ or } 1/4$$

We can't take \cos as -1 as its not in the range.

$$\cos = 1/4$$

$$\sin^2 = (1 - 1/16)$$

$$\sin = (15)/4$$

$$\tan = (15)$$

$$\sec = 1/(1/4) = 4$$

$$2 \tan + 4\sin - \sec = 2(15) + 4((15)/4) - 4$$

$$= 215 + 15 - 4$$

$$= 315 - 4$$

Question 57 :

Find the greatest number $23a68b$, which is divisible by 3 but NOT divisible by 9.

Difficulty : Moderate

Average Time : 74 Seconds

Options :



238689

2. 239685

3. 239688

4. 237687

Solution :

The correct answer is **option 2** i.e. **239685**

We have given a number that is 23a68b.

The number is divisible by 3 if the sum of the digits of the number is divisible by 3.

The number is divisible by 3 if the sum of the digits of the number is divisible by 9.

So,

$$2 + 3 + a + 6 + 8 + b = 19 + a + b$$

Question 58 :

Some students (only boys and girls) from different schools appeared for an Olympiad exam. 20% of the boys and 15% of the girls failed the exam. The number of boys who passed the exam was 70 more than that of the girls who passed the exam'. A total of 90 students failed. Find the number of students that appeared for the exam.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 350

2. 420

3. 400

4. 500

Solution :

The correct answer is **option 4** i.e. **500**

Let the Number of boys and Girls who appeared in the exam be a and b respectively,

So, according to the question

$$\text{Number of boys passed in exam} = [(100 - 20) \times a] / 100 = 0.80a$$

$$\text{Number of girls passed in exam} = [(100 - 15) \times b] / 100 = 0.85b$$



Given condition (1)

$$0.80a = 0.85b + 70$$

$$0.80a - 0.85b = 70 \dots(i)$$

Given condition (2)

$$\text{Total failed students} = 90$$

$$= 0.20a + 0.15b = 90 \dots(ii)$$

From eqⁿ (1) - [4 × eqⁿ (ii)]

$$(-0.85b) - 0.60b = 70 - 360$$

$$1.45b = 290$$

$$b = 200$$

Put this value in eqⁿ (i)

$$0.80a = 0.85 \times 200 + 70$$

$$0.80a = 170 + 70 = 240$$

$$a = 300$$

$$\text{Total number of students appeared} = 200 + 300 = 500$$

Question 59 :

If $(x + 6y) = 8$, and $xy = 2$, where $x > 0$, what is the value of $(x^3 + 216y^3)$?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 476

2. 368

3. 224

4. 288

Solution :

The correct answer is **option 3** i.e. **224**

We have given,

$$(x + 6y) = 8, \text{ and } xy = 2$$

$$x + 6y = 8$$

Cubing on both sides

$$x^3 + 216 y^3 + 18xy(x + 6y) = 512$$

$$x^3 + 216 y^3 + 18 \times 2 \times (8) = 512$$

$$x^3 + 216 y^3 = 512 - 288 = \mathbf{224}$$

Question 60 :

If a $\triangle ABC$, points P, Q and R are taken on AB, BC and CA, respectively, such that BQ = PQ and QC = QR. If $\angle BAC = 75^\circ$, what is the measure of $\angle PQR$ (in degrees)?

Difficulty : Moderate

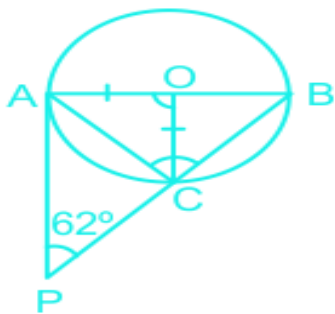
Average Time : 53 Seconds

Options :

1. 75
2. 50
3. 30
4. 40

Solution :

The correct answer is **option 3** i.e. **30**



$$\angle BAC = 75^\circ$$

$$\angle ABC + \angle ACB + \angle BAC = 180^\circ$$

$$\angle ABC + \angle ACB + 75^\circ = 180^\circ$$

$$\angle ABC + \angle ACB = 180^\circ - 75^\circ = 105^\circ$$

Let, $\angle ABC = \angle PBQ = 70^\circ$ and $\angle ACB = \angle RCQ = 35^\circ$

So, $\angle PQR = 180^\circ - (\angle PQB + \angle RQC)$

$= 180^\circ - [(180^\circ - 2\angle PBQ) + (180^\circ - 2\angle RCQ)]$ [$BQ = PQ$; $QC = QR$]

$= 180^\circ - [(180^\circ - 2 \times 70^\circ) + (180^\circ - 2 \times 35^\circ)]$

$= 180^\circ - (40^\circ + 110^\circ)$

$= 180^\circ - 150^\circ$

$= 30^\circ$

Question 61 :

A can finish a piece of the work in 16 days and B can finish it in 12 days. They worked together for 4 days and then A left. B finished the remaining work. For how many total days did B work to finish the work completely?

Difficulty : Moderate

Average Time : 132 Seconds

Options :

1. 6

2. 4

3. 8

4. 9

Solution :

The correct answer is **option 4** i.e. **9**

A can finish a piece of the work = 16 days

B can finish it = 12 days

Their total work = LCM of 16 and 12 = 48 unit

Efficiency of A = $48/16 = 3$

Efficiency of B = $48/12 = 4$

So, according to the question

Their 4 days work = $(3 + 4) \times 4 = 28$ unit

Remaining work done by B = $(48 - 28)/4 = 5$ days



So, the total number of days did B work to finish the work completely = 4 + 5 = **9 days**

Question 62 :

The value of is:

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 0
2. 4
3. 3
4. 2

Solution :

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

$$\sin 23^\circ \cos 67^\circ + \sec 52^\circ \sin 38^\circ + \cos 23^\circ \sin 67^\circ + \operatorname{cosec} 52^\circ \cos 38^\circ / (\operatorname{cosec}^2 20^\circ - \tan^2 70^\circ)$$

$$(\sin 23^\circ \cos 67^\circ + \cos 23^\circ \sin 67^\circ) + (\operatorname{cosec} 38^\circ \sin 38^\circ + \sec 38^\circ \cos 38^\circ) / (\operatorname{cosec}^2 20^\circ - \tan^2 70^\circ)$$

$$((\sin(23 + 67)) + 1 + 1) / (\sec^2 70^\circ - \tan^2 70^\circ)$$

$$(\sin 90^\circ + 2) / 1$$

$$(1 + 2) = 3$$

Question 63 :

LCM of two numbers is 56 times their HCF, with the sum of their HCF and LCM is 1710. If one of the two numbers is 240, then what is the other number?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 210
2. 171
3. 57
4. 1680

Solution :

The correct answer is **option 1** i.e. **210**



Let the number be x and y

Let their HCF and LCM be H and L respectively.

Given that $L = 56 \times H$

And, $H + 56H = 1710$

$$57H = 1710 \quad H = 30$$

We know, Product of the numbers = Their HCF \times Their LCM

$$x \times y = H \times 56H \quad x \times y = 30 \times 30 \times 56$$

We have one number = 240.

Then, $240 \times x = 900 \times 56$

Solving this equation, we get $x = 210$

Thus, The other number is 210

Question 64 :

The following bar graph shows exports of cars of type A and B (in Rs millions) from 2014 to 2018. What is the ratio of the total exports of cars of type A in 2014 and 2017 to the total exports of cars of type B in 2015 and 2016?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. 5 : 6
2. 3 : 2
3. 10 : 9
4. 11 : 10

Solution :

The correct answer is **option 1** i.e. **5 : 6**

Total exports of cars of type A in 2014 and 2017 = $200 + 175 = 375$ millions

Total exports of cars of type B in 2015 and 2016 = $250 + 200 = 450$ millions

Required ratio = $375/450 = 5 : 6$

Question 65 :

A certain sum is deposited for 4 years at a rate of 10% per annum on compound interest compounded annually. The



difference between the interest at the end of 2 years and then at the end of 4 years is Rs 5,082. Find the sum (in Rs).

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 20,000
2. 10,164
3. 50,820
4. 25,500

Solution :

The correct answer is **option 1** i.e. **20,000**

We know, the successive interest of $a\%$ and $b\%$ = $(a + b + ab/100)\%$

The successive interest for 2 years = $[10 + 10 + (10 \times 10)/100]\%$ = 21%

The successive interest for 3 years = $[21 + 10 + (21 \times 10)/100]\%$ = 33.1%

The successive interest for 4 years = $[33.1 + 10 + (33.1 \times 10)/100]\%$ = 46.41%

The difference of interest between 4 and 2 years = $46.41 - 21 = 25.41\%$

So, 25.41% is 5082

Then, $100\% (5082/25.41) \times 100 = 20000$

Therefore, the sum (in Rs.) is **Rs. 20000**

Question 66 :

The lengths of the three sides of a right-angled triangle are $(x - 1)$ cm, $(x + 1)$ cm and $(x + 3)$ cm, respectively. The hypotenuse of the right-angled triangle (in cm) is:

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 6
2. 12
3. 7
4. 10

**Solution :**

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

According to the question,

The lengths of the three sides of a right-angled triangle are $(x-1)$ cm, $(x+1)$ cm and $(x+3)$ cm

Hypotenuse is the biggest side on the triangle.

By using Pythagoras theorem

$$(x + 3)^2 = (x - 1)^2 + (x + 1)^2$$

$$x^2 + 6x + 9 = x^2 + 1 - 2x + x^2 + 1 + 2x$$

$$x^2 + 6x + 9 = 2x^2 + 2$$

$$x^2 - 6x - 7 = 0$$

$$x^2 - 7x + x - 7 = 0$$

$$(x - 7)(x + 1) = 0$$

$x = 7$, and (-1) can't possible

So, hypotenuse = $x + 3 = 7 + 3 = 10$

Question 67 :

The given histogram represents the marks of students in the Mathematics test of a certain class. The total number of students is 350. Study the graph and answer the question that follows What is the ratio of the total number of students who scored 140 marks and above to the total number of students who scored marks between 60 to 120?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 11 : 9
2. 9 : 11
3. 110 : 137
4. 137 : 110

Solution :

The correct answer is **option 3** i.e. **110 : 137**

Number of students who obtained 140 or above marks = $55 + 40 + 15 = 110$



Number of students who obtained 60 to 120 marks = $45 + 60 + 32 = 137$

Required Ratio = $110 : 137$

Question 68 :

The ratio of the monthly incomes of A and B is $11 : 13$ and the ratio of their expenditures is $9 : 11$. If both of them manage to save Rs 4,000 per month, then find the difference in their incomes (in Rs).

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 4,000
2. 2,500
3. 3,000
4. 3,200

Solution :

The correct answer is **option 1** i.e. **4,000**

The ratio of the income of A : B = $11 : 13$

The ratio of the expenditure A : B = $9 : 11$

Income - Expenditure = Savings

So, saving of each person $(11 - 9) = 4000 = (13 - 11)$

$2 = 4000$

$1 = 2000$

So, the difference in their incomes = $(13 - 11) \times 2000 = \text{Rs } 4000$

Question 69 :

A solid cube of side 8 cm is dropped into a rectangle container of length 16 cm, breadth 8 cm, and height 15 cm which is partly filled with water. If the cube is completely submerged, then the rise of water level (in cm) is :

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 6
2. 4

2

4. 3

Solution :

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

Each side of the cube = 8 cm

The rectangular container has a length of 16 cm, a breadth of 8 cm, and a height of 15 cm

The volume of cube = (Edge)³

The volume of a cuboid = Length × Breadth × Height

The volume of cube = The volume of the rectangular container with a length of 16 cm, breadth of 8 cm, and height of the water level rise

Let, the height of the water level will rise = x cm

$$\text{So, } 8^3 = 16 \times 8 \times x$$

$$512 = 128 \times x$$

$$x = 512/128 = 4$$

Thus, the rise of water level (in cm) is 4 cm

Question 70 :

The number of cars passing the road near a colony from 6 am to 12 noon has been shown in the following histogram.

What is the ratio of the number of cars passed between 6 am and 8 am to the number of cars passed between 9 am and 11am?

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

1. 7 : 4

2. 21 : 19

3. 14 : 23

4. 5 : 6

Solution :

The correct answer is **option 4** i.e. **5 : 6**

Total number of cars passing between 6 am and 8 am = $70 + 105 = 175$

Total number of cars passing between 9 am and 11 am = $115 + 95 = 210$

Required Ratio = $175/210 = 35/42 = 5:6$

Question 71 :

An item costs Rs 400. During a festival sale, a company offer a sale discount that offers $x\%$ off on its regular price along with a discount coupon of 10%. The price of the item after using both the sale discount and the discount coupon, is Rs 216. What is the value of x ?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 30
2. 40
3. 35
4. 25

Solution :

The correct answer is **option 2** i.e. **40**

The cost of the item = Rs 400

The selling price of the item = Rs. 216

Sale discount = $x\%$

Coupon discount = 10%

The discount = $400 - 216 = \text{Rs } 184$

The total discount = $(184/400) \times 100 = 46\%$

So, $x + 10 - (10x/100) = 46$

$$x + 10 - x/10 = 46$$

$$9x/10 + 10 = 46$$

$$9x/10 = 46 - 10$$

$$9x/10 = 36$$

$$x = 36 \times (10/9) = 40$$



Therefore, The value of x is 40

Question 72 :

If $x + y + 3 = 0$, then find the value of $x^3 + y^3 - 9xy + 9$.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. -36
2. -18
3. 36
4. 18

Solution :

The correct answer is **option 2** i.e. **-18**

$$x + y + 3 = 0$$

$$x + y = -3$$

Cube on both sides:

$$x^3 + y^3 + 3xy(x + y) = -27$$

$$x^3 + y^3 + 3xy(-3) = -27$$

$$x^3 + y^3 - 9xy = -27$$

$$x^3 + y^3 - 9xy + 9 = -18$$

Question 73 :

AB is a diameter of a circle with center O. A tangent is drawn at point A. C is a point on the circle such that BC produced meets the tangent at P. If $\angle APC = 62^\circ$, then find the measure of the minor arc AC.

Difficulty : Moderate

Average Time : 62 Seconds

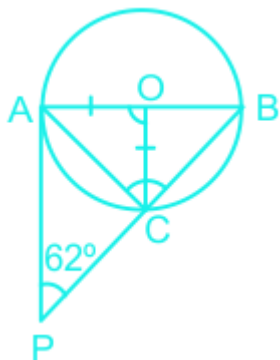
Options :

1. 31°
2. 62°
3. 28°

56°

Solution :

The correct answer is **option 4** i.e. **56°**



Here, Diameter AB is perpendicular to tangent AP

$$\text{angle}(BAP) = 90^\circ$$

The angle subtended by the diameter on the circumference is 90°

$$\text{angle}(ACB) = 90^\circ$$

$$\text{angle}(ACP) = 90^\circ \text{ ----- (By Linear pair)}$$

In tri(APC),

$$\text{angle}(PAC) + 90^\circ + 62^\circ = 180^\circ$$

$$\text{angle}(PAC) = 28^\circ$$

$$\text{Now, angle}(OAC) = 90^\circ - 28^\circ - 62^\circ$$

$$\text{Now, angle}(OAC) = \text{angle}(OCA) = 62^\circ \text{ -----(Angle opposite to equal side)}$$

The measure of the minor arc (AC) = angle(AOC)

In tri(AOC)

$$\text{angle}(AOC) + 62^\circ + 62^\circ = 180^\circ$$

$$\text{angle}(AOC) = 56^\circ$$

The measure of the minor arc AC is 56°

Question 74 :

Monthly expenditure of a family on different heads is shown in the following pie chart. The amount spent on Children



Education, Transport and Rent is what percentage of the total earnings?

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. 50%
2. 45%
3. 55%
4. 40%

Solution :

The correct answer is **option 1** i.e. **50%**

There is the monthly expenditure of a family on different heads is shown in the following pie chart

The total angle of all expenditures = $75^\circ + 60^\circ + 70^\circ + 65 + 50^\circ + 40^\circ = 360^\circ$

The total angle of the amount spent on Children's Education, Transport and Rent = $70^\circ + 50^\circ + 60^\circ = 180^\circ$

The percentage = $(180/360) \times 100 = 50\%$

Thus, The amount spent on Children's Education, Transport, and Rent is 50% of the total earnings.

Question 75 :

Find the value of the following expression: $372 \div 56 \times 7 - 5 + 2$

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 58
2. $43 \frac{1}{2}$
3. -2
4. 2

Solution :

The correct answer is **option 2** i.e. $43 \frac{1}{2}$

Explanation:

From the given question,



$$372 \div 56 \times 7 - 5 + 2$$

By Using BODMAS Rule:

$$\left(\frac{93}{2}\right) - 5 + 2$$

$$\left(\frac{93}{2}\right) - 3$$

$$43 \frac{1}{2}$$

Hence the value of $372 \div 56 \times 7 - 5 + 2$ is $43 \frac{1}{2}$.

Question 76 :

Select the most appropriate meaning of the given idiom. Be hard up

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Find it very difficult to wake up early
2. Have very little money
3. Unable to calculate
4. Have difficulty in climbing stairs

Solution :

The correct answer is **option 2** i.e. **Have very little money.**

Idioms: A group of words established by usage as having a meaning not deducible from those of the individual words.

"Be hard up" means having very little money.

Example: I was so hard up, I couldn't afford to buy food.

Question 77 :

The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. It was / the very well-directed film / and we enjoyed it.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. It was
2. No error



the very well-directed film

4. and we enjoyed it

Solution :

The correct answer is **option 3** i.e. **the very well-directed film.**

Given sentence: It was / the very well-directed film / and we enjoyed it.

The article "a" should be used instead of "the."

Correct sentence: It was / **a very well-directed film** / and we enjoyed it.

Question 78 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Every / curious child / want to / rip open a toy.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. rip open a toy
2. want to
3. curious child
4. Every

Solution :

The correct answer is **option 2** i.e. **want to.**

Given sentence: Every / curious child / want to / rip open a toy.

Singular noun, adverb, and adjective is used after the words like every, each, everyone, someone, etc.

Correct sentence: Every / curious child / **wants to** / rip open a toy.

Question 79 :

Select the most appropriate synonym of the given word. Avert

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Face



Permit

3. Confront

4. Prevent

Solution :

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

Synonym: Words that have the same or nearly the same meaning.

Given word: Avert

Meaning: turn away

The word that seems to be its synonym is 'prevent' as it means to keep (something) from happening.

Meaning of other words:

Face: confront and deal with or accept a difficult or unpleasant task.

Permit: officially allow to do something.

Confront: come face to face with someone.

Question 80 :

Select the option that expresses the given sentence in direct speech. He asked me when I had booked the flight tickets.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. He said to me, "When did you book the flight tickets?"
2. He said to me, "When are you booking the flight tickets?"
3. He said to me, "When do you book the flight tickets?"
4. He said to me, "When you had book the flight tickets?"

Solution :

The correct answer is **option 1** i.e. **He said to me, "When did you book the flight tickets?"**

Given sentence: He asked me when I had booked the flight tickets.

In direct speech, we need to add commas and inverted commas.

Asked is changed to said to.



Second-person pronouns are changed according to the object of the reporting verb, so, I is changed to you.

had booked is changed to did book.

So, the final sentence is:

He said to me, "When did you book the flight tickets?"

Question 81 :

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 required'. The authorities are assured the people that they will look into the matter.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. have been assured
2. No substitution required
3. has assured
4. have assured

Solution :

The correct answer is **option 4** i.e. **have assured**.

Statement: The authorities are assured the people that they will look into the matter.

The given sentence is in the present perfect tense.

Structure: has/have + past participle.

Correct statement: The authorities have assured the people that they will look into the matter.

Question 82 :

The following sentence has been divided into parts. One of them may contain a grammatical error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. If the economy fails / this year it reflect badly / on the government.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. No error



on the government

3. this year it reflect badly

4. If the economy fails

Solution :

The correct answer is **option 3** i.e. **this year it reflect badly**.

Given sentence: If the economy fails / this year it reflect badly / on the government.

The given sentence is a conditional sentence. So, 'this year it reflect badly' should be replaced by 'this year it will reflect badly.'

Type 1 conditional sentence refers to the present or future.

Correct sentence: If the economy fails / **this year it will reflect badly** / on the government.

Question 83 :

The following sentence has been split into segments. One of them may contain an error. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer. No one were/present when I / entered the hall.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. present when I

2. No one were

3. No error

4. entered the hall

Solution :

The correct answer is **option 2** i.e. **No one were**.

Given sentence: No one were/present when I / entered the hall.

The indefinite pronouns are always singular.

Ex: No one, nobody, anybody, somebody, etc.

So, "no one were" should be replaced by "no one was."

Correct sentence: **No one was**/present when I / entered the hall.

**Question 84 :**

Select the option that can be used as a one-word substitute for the given group of words. The study of earthquakes

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

1. Geography
2. Seismology
3. Topography
4. Geology

Solution :

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

One Word Substitution means using a specific word to replace a wordy phrase or sentence and making it shorter, concise, and clearer to understand.

The study of earthquakes is known as seismology.

Geography is the study of places and the relationships between people and their environments.

The arrangement of the natural and artificial physical features of an area is known as topography.

Geology is the study of the structure, evolution, and dynamics of the Earth and its natural mineral and energy resources.

Question 85 :

Select the most appropriate option to fill in the blank. The increasing concerns about climate change point to the need for enhanced efforts towards _____ sustained growth.

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

1. to achieve
2. achieve
3. achieved
4. achieving

Solution :

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



The preposition towards should be followed by a verb in the ing form. So, "achieving" should be used in the blank.

The increasing concerns about climate change point to the need for enhanced efforts towards **achieving** sustained growth.

Question 86 :

Select the INCORRECTLY spelled word.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Circuit
2. Genuine
3. Manners
4. Tution

Solution :

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

The incorrectly spelled word is "Tution".

Correctly spelled word: Tuition

Meaning: teaching or instruction

Example: Her uncle agreed to pay part of her tuition.

Question 87 :

Select the most appropriate ANTONYM of the given word. Raze

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Comfort
2. Ease
3. Ruin
4. Build

Solution :

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

Antonym: a word opposite in meaning to another.

Raze means completely destroy.

Build is the correct antonym which means to construct (something) by putting parts or material together.

Meaning of other words:

Comfort: a state of physical ease and freedom from pain or constraint.

Ease: absence of difficulty or effort.

Ruin: reduce to a state of decay.

Question 88 :

Select the most appropriate synonym of the given word. Retaliate

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Facilitate
2. Rotate
3. Clap
4. React

Solution :

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

Synonym: Words that have the same or nearly the same meaning.

Given word: Retaliate

Meaning: make an attack in return for a similar attack.

The word that seems to be its synonym is 'react' as it means to act in response to something; respond in a particular way.

Meaning of other words:

Facilitate: make it easy or easier.

Rotate: move or cause to move in a circle around an axis or center.



Clap: strike the palms of (one's hands) together repeatedly

Question 89 :

Select the option that can be used as a one-word substitute for the given group of words. To walk aimlessly

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Amble
2. Sprint
3. Crawl
4. Slither

Solution :

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

One Word Substitution means using a specific word to replace a wordy phrase or sentence and making it shorter, concise, and clearer to understand.

To walk aimlessly is known as amble. (Amble means walking or moving at a slow, relaxed pace.)

To run at full speed over a short distance is known as a sprint.

To move forward on the hands and knees or by dragging the body close to the ground is known as crawling.

To move smoothly over a surface with a twisting or oscillating motion is known as slithering.

Question 90 :

Select the option that expresses the given sentence in passive voice. She handles all tasks efficiently.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. All tasks are handled efficiently by her
2. All tasks were handled efficiently by her
3. All tasks have been handled efficiently by her.
4. All tasks are being handled efficiently by her.

Solution :

Page No: 65

Follow us on



Address : 1997, Mukherjee Nagar, 110009

Email : online@kdcampus.org

Call : +91 95551 08888

Download the App





The correct answer is **option 1** i.e. **All tasks are handled efficiently by her.**

Given sentence: She handles all tasks efficiently. (Active voice)

Active voice: Subject + V1 + Object

Passive voice: Object + is/am/are + V3 + Subject

Sentence in passive voice: All tasks are handled efficiently by her.

Question 91 :

Select the most appropriate ANTONYM of the given word. Modest

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Unhappy
2. Conceited
3. Sullen
4. Glum

Solution :

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

Antonym: a word opposite in meaning to another.

Modest means relatively moderate, limited, or small.

Conceited is the correct antonym that means excessively proud of oneself; vain.

Meaning of other words:

Unhappy: not happy.

Sullen: bad-tempered and sulky.

Glum: looking or feeling dejected; morose.

Question 92 :

Select the most appropriate meaning of the given idiom. In the same breath

Difficulty : Moderate

Average Time : 49 Seconds

Options :



- Try and hold your breath
2. Practice breathing exercises
3. Say two contradictory things at the same time
4. Able to get a foul smell

Solution :

The correct answer is **option 3** i.e. **Say two contradictory things at the same time.**

Idioms: A group of words established by usage as having a meaning not deducible from those of the individual words.

"In the same breath" means to say two things that are so different that if one is true, the other must be false.

Example: You say he treats you badly but in the same breath you tell me how much you love him!

Question 93 :

Select the most appropriate synonym of the given word. Ostentatious

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. showy
2. tasteful
3. quick
4. sudden

Solution :

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

Synonym: Words that have the same or nearly the same meaning.

Given word: Ostentatious

Meaning: characterized by pretentious or showy display; designed to impress.

The word that seems to be its synonym is 'showy' as it means having a striking appearance or style, typically by being excessively bright.

Meaning of other words:



Tasteful: showing good aesthetic judgment.

Quick: moving fast or doing something in a short time.

Sudden: occurring or done quickly and unexpectedly or without warning.

Question 94 :

Select the option that expresses the given sentence in active voice. All weapons were surrendered by them.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. They had surrendered all weapons.
2. They surrendered all weapons.
3. They are surrendering all weapons.
4. They have surrendered all weapons.

Solution :

The correct answer is **option 2** i.e. **They surrendered all weapons.**

Given sentence: All weapons were surrendered by them. (Passive voice)

Structure of passive voice: Object + was/were + V2 + Subject

Structure of active voice: Subject + V2 + Object

Sentence in active voice: They surrendered all weapons.

Question 95 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required.' A tigress has given birth to a cub in the Ranthambore Tiger Reserve, taking the big cat population to 78.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. was birthed
2. has give birth
3. is given births
4. no substitution required

**Solution :**

The correct answer is **option 4** i.e. **no substitution required**.

Statement: A tigress has given birth to a cub in the Ranthambore Tiger Reserve, taking the big cat population to 78.

The given sentence is correct contextually and grammatically. Hence, no improvement is required.

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. The rise in the Irrawaddy dolphin (1) _____ in Chilika can be attributed to the eviction of (2) _____ fish enclosures. After thousands of hectares of Chilika lake were made (3) _____ free, Irrawaddy dolphins found unobstructed areas for movement. (4) _____, due to the COVID-19 lockdown last year, there were comparatively fewer tourist boats on Chilika lake, which made it (5) _____ for dolphins to move from one part of the lake to another.

Question 96 :

Select the most appropriate option to fill in blank no.1.

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

1. natives
2. inhabitants
3. population
4. clan

Solution :

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

- On close observation of the given paragraph, we can easily narrow down the context of the passage to ' how there was a rise in the number of Irrawaddy dolphins in the Chilika lake.
- Thus, the first blank talks about an increase in the number i.e., **population** of the dolphins in Chilika lake.
- So, the most appropriate filler for the given blank is **population**.

Therefore, the correct sentence is:

*The rise in the Irrawaddy dolphin **population** in Chilika can be attributed to the eviction of illegal fish enclosures.*

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. The rise in the Irrawaddy dolphin (1) _____ in Chilika can be attributed to the eviction of (2) _____ fish enclosures. After thousands of hectares of Chilika lake were made (3) _____ free, Irrawaddy dolphins found

unobstructed areas for movement. (4) _____, due to the COVID-19 lockdown last year, there were comparatively fewer tourist boats on Chilika lake, which made it (5) _____ for dolphins to move from one part of the lake to another.

Question 97 :

Select the most appropriate option to fill in blank no.2.

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. unconstitutional
2. illegal
3. unwarranted
4. illegitimate

Solution :

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

Let's understand the meaning of the given words:

- **Illegal**: Contrary to or prohibited by law; not authorized or permitted.
- **Unconstitutional**: In violation of the principles or provisions set forth in a constitution; not in accordance with the constitution.
- **Unwarranted**: Not justified or warranted; lacking sufficient reason or justification.
- **Illegitimate**: Not authorized by law or rules; not conforming to established standards or norms; lacking legitimacy or legality.
- *Thus, the most appropriate filler for the given blank is **illegal**.*

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. The rise in the Irrawaddy dolphin (1) _____ in Chilika can be attributed to the eviction of (2) _____ fish enclosures. After thousands of hectares of Chilika lake were made (3) _____ free, Irrawaddy dolphins found unobstructed areas for movement. (4) _____, due to the COVID-19 lockdown last year, there were comparatively fewer tourist boats on Chilika lake, which made it (5) _____ for dolphins to move from one part of the lake to another.

Question 98 :

Select the most appropriate option to fill in blank no.3.



Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. intervention
2. trespass
3. confiscation
4. encroachment

Solution :

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

Let's understand the meaning of the given words:

- **Encroachment:** Unauthorized or illegal occupation or use of someone else's property.
- **Intervention:** Deliberate involvement or action taken to address or manage a situation, typically to improve it or resolve a problem.
- **Trespass:** Unlawfully entering or intruding upon someone else's property without permission or legal right.
- **Confiscation:** Seizure or taking possession of property by authorities or individuals in power, typically due to illegal activities, violations, or as a penalty.
- Thus, the most appropriate filler for the given blank is **encroachment**

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. The rise in the Irrawaddy dolphin (1) _____ in Chilika can be attributed to the eviction of (2) _____ fish enclosures. After thousands of hectares of Chilika lake were made (3) _____ free, Irrawaddy dolphins found unobstructed areas for movement. (4) _____, due to the COVID-19 lockdown last year, there were comparatively fewer tourist boats on Chilika lake, which made it (5) _____ for dolphins to move from one part of the lake to another.

Question 99 :

Select the most appropriate option to fill in blank no.4.

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. Nevertheless
2. Whereas
3. However



Moreover

Solution :

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

- The words like **nevertheless, whereas, however**, are used when a contradictory statement is coming next.
- Whereas, conjunction **moreover** is used to bring in a piece of additional information to sustain the continuation of the given sentence.
- Therefore, the most appropriate filler for the given blank is **moreover**.

Thus, the correct sentence is:

***Moreover**, due to the COVID-19 lockdown last year, there were comparatively fewer tourist boats on Chilika lake, which made it conducive for dolphins to move from one part of the lake to another.*

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. The rise in the Irrawaddy dolphin (1) _____ in Chilika can be attributed to the eviction of (2) _____ fish enclosures. After thousands of hectares of Chilika lake were made (3) _____ free, Irrawaddy dolphins found unobstructed areas for movement. (4) _____, due to the COVID-19 lockdown last year, there were comparatively fewer tourist boats on Chilika lake, which made it (5) _____ for dolphins to move from one part of the lake to another.

Question 100 :

Select the most appropriate option to fill in blank no.5.

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. hurtful
2. disturbing
3. detrimental
4. conducive

Solution :

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

- The word, conducive means **making a certain situation or outcome likely or possible**.
- Clearly, in the given part of the passage, a suitable condition for the movement of dolphins is referred to.
- All the other given options do not align with the given context of the sentence.

Thus, the correct sentence is:



...due to the COVID-19 lockdown last year, there were comparatively fewer tourist boats on Chilika lake, which made it **conducive** for dolphins to move from one part of the lake to another.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-11 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 Quantitative Aptitude, 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness and 25 questions were asked from English Language
4. 17 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Quantitative Aptitude

1. Simplification - 1
2. Average - 1
3. Data Interpretation - 7
4. Time And Work - 1
5. Time Speed And Distance - 1
6. Interest - 1
7. Ratios And Proportion - 2
8. Geometry - 3
9. Trigonometry - 2
10. Mensuration - 1
11. Algebra - 2
12. Number System - 1
13. Profit And Loss - 2

Logical Reasoning

1. Coding Decoding - 3



- Analogy - 2
- 3. Classification - 1
- 4. Seating Arrangement - 1
- 5. Blood Relations - 1
- 6. Distance And Direction - 1
- 7. Syllogism - 1
- 8. Venn Diagrams - 1
- 9. Dictionary Based - 1
- 10. Figure Based - 4
- 11. Matrix - 1
- 12. Series - 4
- 13. Mathematical Reasoning - 3
- 14. Cubes And Dice - 1

General Awareness

- 1. History - 2
- 2. Polity - 1
- 3. Economics - 2
- 4. Science - 4
- 5. Geography - 2
- 6. GK Misc - 1
- 7. Current Affairs - 12
- 8. Art And Culture - 1

English Language

- 1. Cloze Test - 5
- 2. Spotting Error - 4
- 3. Idioms - 2
- 4. One Word Substitution - 2
- 5. Fillers - 1
- 6. Voice - 2
- 7. Transformation Of Sentence - 1
- 8. Sentence Improvement - 2
- 9. Synonym - 3
- 10. Antonym - 2
- 11. Incorrectly Spelt - 1

Incorrectly Spelt - 1

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



Page No: 75

Follow us on



Address : 1997, Mukherjee Nagar, 110009

Email : online@kdcampus.org

Call : +91 95551 08888

Download the App



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](#)
- [English Language](#)
- [Today In History](#)
- [Syllabus](#)
- [Know Your State](#)
- [Know Your Country](#)
- [Know Your City](#)
- [Know Your Leader](#)
- [Books And Authors](#)
- [Daily Vocabulary](#)
- [Daily Editorial](#)
- [Latest Notifications](#)
- [Exam Dates](#)
- [Admit Card](#)



[Exam Results](#)
[Exam Cutoff](#)
[Exam Eligibility](#)
[Exam Pattern](#)
[Answer Key](#)
[Important Days](#)

Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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.