



Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2021-08-23 in the Evening exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 1 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Sameer gave very less information to Muneer about the progress of the work.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. gave very less informations
2. No substitution
3. give very less information
4. gave very little information

Solution :

The correct answer is **Option 4** i.e. **gave very little information**.

- The error lies in option 4 due to the wrong usage of adjective.
- 'Less' indicates a smaller quantity of something you cannot count than another one you are comparing it to. We use



'less' in comparative structures, especially before uncountable nouns.

- 'Less' is used to express inadequacy or insufficiency of something, but only in a comparative sense.
- 'Little' indicates a small size, amount, or degree of something you cannot. 'Little' refers to non-countable nouns and is used with the singular form.
- Therefore, the adjective '**little**' should be used in place of the adjective 'less'.

The correct sentence is:- **Sameer gave very little information to Muneer about the progress of the work.**

Hence, the correct answer is **Option 4** i.e. **gave very little information.**

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 2 :

Select the most appropriate option to fill in the blank. It is said that civilised man has _____ about twenty wild animals.

Difficulty : Moderate

Average Time : 102 Seconds

Options :

1. tamed
2. stunned
3. staggered
4. amazed

Solution :

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

- The given sentence is talking about the civilized man who has domesticated twenty wild animals. Therefore, the most appropriate word to be filled in the blank is '**tamed**'.
- The word '**tamed**' means '**to control something dangerous or powerful**'.

For example: *Lions can never be completely tamed.*

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 3 :

The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. It is misleading / to imagine that / computers can think / same like human beings.

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. same like human beings
2. computers can think
3. to imagine that
4. It is misleading

Solution :

The correct answer is **Option 1** i.e. **same like human beings**.

- The error lies in option 1 due to the wrong usage of preposition.
- The preposition **like** is used to compare two things or to compare appearance or behaviour. For example: *You look exactly like your father.*
- But in the given sentence, the quality of human beings is compared to that of computers.
- In such case, we use the preposition **as** which is *used to describe the purpose or quality of someone or something.*

The correct sentence is:- **It is misleading to imagine that computers can think the same as human beings.**

Hence, the correct answer is **Option 1** i.e. **same like human beings**.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 4 :

Select the option that expresses the given sentence in indirect speech. Kruti asked Gopal, "Have you heard the news

about the inauguration of the new bridge?"

Difficulty : Moderate

Average Time : 98 Seconds

Options :

1. Kruti asked Gopal if you have hear the news about the inauguration of the new bridge.
2. Kruti asked to Gopal you have heard the news about the inauguration of the new bridge.
3. Kruti asked Gopal if they have heard the news about the inauguration of the new bridge.
4. Kruti asked Gopal if he had heard the news about the inauguration of the new bridge.

Solution :

The correct answer is **Option 4** i.e. **Kruti asked Gopal if he had heard the news about the inauguration of the new bridge.**

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

- Inverted commas will get omitted and 'if' will be used, in case of interrogative sentences.
- The pronoun '**you**' becomes the pronoun '**he**'.
- The present perfect tense format '**have + V₃**' will be changed into the past perfect tense format '**had + V₃**'

After following these steps, we got the indirect speech as: **Kruti asked Gopal if he had heard the news about the inauguration of the new bridge.**

Hence, the correct answer is **Option 4** i.e. **Kruti asked Gopal if he had heard the news about the inauguration of the new bridge.**



Question 5 :

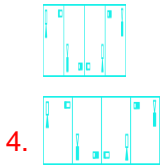
Select the option that is embedded in the given figures (rotation is NOT allowed).

Difficulty : Moderate

Average Time : 92 Seconds

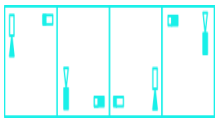
Options :

1. 
2. 

**Solution :**

The correct answer is **option 2**

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

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 6 :

Who is the author of the book 'Ethical Religion'?

Difficulty : Moderate

Average Time : 87 Seconds

Options :

1. Bipan Chandra
2. Swami Vivekananda
3. Vinoba Bhave
4. Mahatma Gandhi

Solution :

The correct answer is **option 4** i.e. **Mahatma Gandhi**

Mohandas Karamchand Gandhi (1869-1948), herein after Gandhiji, was undoubtedly the most authentic and celebrated representative of the wisdom and culture of India in our times.

For Many, among the greatest, Gandhiji was the great. He was a social reformer, an economist, a political philosopher and a seeker of truth.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 7 :

Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number pair that is different.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. 12: 288
2. 19: 622
3. 14: 392
4. 11: 242

Solution :

The correct answer is **option 2** i.e. **19: 622**.

The logic used here is:

$$(1\text{st number})^2 \times 2 = 2\text{nd number}$$

Option 1: 12: 288

$$(12)^2 \times 2 = 144 \times 2 = 288$$

This follows the logic.

Option 2: 19: 622

$$(19)^2 \times 2 = 361 \times 2 = 722$$

This does not follow the logic.

Hence, **option 2** is the odd one out.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on

Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 8 :

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

Difficulty : Moderate

Average Time : 72 Seconds

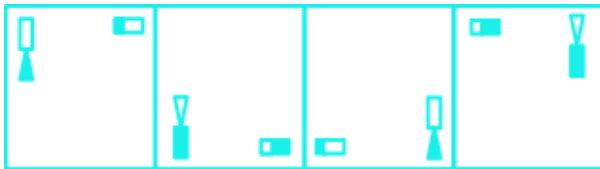
Options :

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

Solution :

The correct answer is **option 2**

The mirror image of the question figure is shown below:



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

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 9 :

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

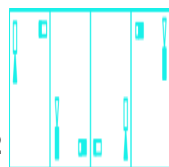
Average Time : 103 Seconds

Options :

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



Solution :



The correct answer is **option 2**.

After unfolding, the paper will appear as follows:



Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town

was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 10 :

Select the option in which the numbers are related in the same way as are the numbers of the following set. (44, 24, 132)

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

1. (46, 22, 306)
2. (56, 26, 182)
3. (16, 26, 186)
4. (32, 28, 250)

Solution :

The correct answer is **option 2** i.e. **(56, 26, 182)**.

The logic used here is:

(44, 24, 132)

$$(44 \times 24) \div 8 = 1056 \div 8 = 132$$

Option 1: (46, 22, 306)

$$(46 \times 22) \div 8 = 1012 \div 8 = 126.5$$

This does not follow the logic.

Option 2: (56, 26, 182)

$$(56 \times 26) \div 8 = 1456 \div 8 = 182$$

This follows the logic.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 11 :

If 19 July 2000 was a Wednesday, then what would be the day of the week on 15 June 2012?

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

1. Wednesday
2. Friday
3. Thursday
4. Sunday

Solution :

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

The number of leap years between 2000 and 2012 = 3 (2004, 2008, and 2012)

The number of non-leap years between 2000 and 2012 = 9 (2001, 2002, 2003, 2005, 2006, 2007, 2009, 2010, and 2011)

Total number of odd days between 2000 and 2012 = $3 \times 2 + 9 \times 1 = 6 + 9 = 15 = 1$ odd day

Given;

19 July 2000 was a Wednesday

So, 19 July 2012 will be = Friday

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 12 :

A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of numbers would be opposite to each other?

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

**Options :**

1. 1 and 6
2. 4 and 5
3. 3 and 4
4. 6 and 3

Solution :

The correct answer is **option 3** i.e. **3 and 4**.

When the paper is folded to make a cube;

1 is opposite to 2.

6 is opposite to 5.

4 is opposite to 3.

The pairs of numbers that would be opposite to each other is 3 and 4.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 13 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Cardinal 2. Cartography 3. Cardiac 4. Carrot 5. Callous 6. Careless

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 5, 3, 1, 4, 6, 2
2. 5, 1, 3, 6, 4, 2
3. 5, 3, 1, 6, 4, 2
4. 5, 3, 1, 6, 2, 4

Solution :

The correct answer is **option 3** i.e. **5, 3, 1, 6, 4, 2**.

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

So the arrangement is;

1. Callous
2. Cardiac
3. Cardinal
4. Careless
5. Carrot
6. Cartography

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 14 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Hepatology: Blood
2. Pomology: Fruits
3. Seismology: Pressure
4. Cytology: Metabolism

Solution :

The correct answer is **option 2** i.e. **Pomology: Fruits**.

The logic used here is:

Pedology: Soil

Pedology is the science of soil resources.

Similarly,

Pomology: Fruits

Pomology is the science of fruit-growing.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 15 :

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

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Excited
2. Nostalgic
3. Energised
4. Timid

Solution :

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

The logic used here is:

Excited means to be very enthusiastic and eager.

Nostalgic means feeling, evoking, or characterized by nostalgia.

Energized means giving vitality and enthusiasm.

Timid means showing a lack of courage or confidence; easily frightened.

Excited, nostalgic, and energized are positive forms of energy and timid is a negative form of energy.

Hence, **option 4** is the odd one out.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 16 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. YTUQ, XVRU, ?, VZLC, UBIG

Difficulty : Moderate**Average Time : 78 Seconds****Options :**

1. WXPY
2. WXYO
3. WYOX
4. WYOY

Solution :

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

Given series: YTUQ, XVRU, ?, VZLC, UBIG

The series follows the pattern:

YTUQ, XVRU

$$Y - 1 = X$$

$$T + 2 = V$$

$$U - 3 = R$$

$$Q + 4 = U$$

Similarly,

XVRU, ?

$$X - 1 = W$$

$$V + 2 = X$$

$$R - 3 = O$$

$$U + 4 = Y$$

So, the missing term in the series is **WXOY**.

Question 17 :

How many triangles are there in the given figures?

Difficulty : Moderate

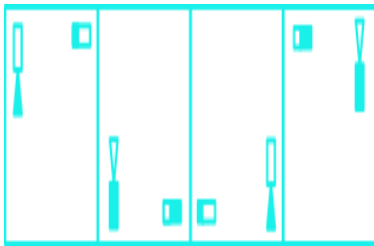
Average Time : 50 Seconds

Options :

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

Solution :

The correct answer is **option 4** i.e. **11**.



11 triangles: ABC, ACE, ADC, IKJ, ABE, CDE, CFE, CFG, AEG, CEG, HEI.

Question 18 :

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: No door is a window. No rack is a door. All cupboards are windows. Conclusions: I. Some cupboards are racks. II. No cupboard is a door. III. No rack is a window.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Only conclusion II follows
2. Only conclusion I and III follow

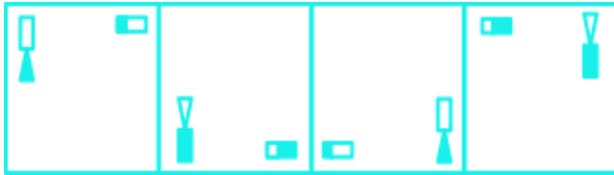
Only conclusion I follows

4. None of the conclusions follow

Solution :

The correct answer is **option 1** i.e. **Only conclusion II follows.**

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



Conclusions:

I. Some cupboards are racks **False** (It is possible but no definite conclusion can be drawn).

II. No cupboard is a door **True** (As no door is a window, and all cupboards are windows, so, no cupboard is a door).

III. No rack is a window **False** (It is possible but no definite conclusion can be drawn).

Hence, **Only conclusion II follows.**

Question 19 :

Select the option related to the fourth number in the same way as the first number is related to the second number and the fifth number is associated with the sixth number. 485: 25::? : 21:: 401: 23

Difficulty : Moderate

Average Time : 76 Seconds

Options :

- 1. 246
- 2. 325
- 3. 346
- 4. 225

Solution :

The correct answer is **option 2** i.e. **325.**

The logic used here is:

485: 25



$$(25 - 3)^2 + 1 = 485$$

$$401: 23$$

$$(23 - 3)^2 + 1 = 401$$

Similarly,

$$?: 21$$

$$(21 - 3)^2 + 1 = 325$$

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

Question 20 :

In a certain code language, 'PRINTER' is coded as '11181814759' and 'LOGIC' is coded as '151520924'. How will 'TERMITE' be coded in that language?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 7591418205
2. 75181392022
3. 75913182022
4. 2059131875

Solution :

The correct answer is **option 3** i.e. **75913182022**.

The logic used here is:

'PRINTER' is coded as '11181814759'

Opposite of P = K = 11

R = 18

Opposite of I = R = 18

N = 14

Opposite of T = G = 7

E = 5

Opposite of R = I = 9

Similarly,

Code for the word TERMITE:

Opposite of T = G = 7

E = 5

Opposite of R = I = 9

M = 13

Opposite of I = R = 18

T = 20

Opposite of E = V = 22

Hence, **option 3** 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 : 60 Seconds

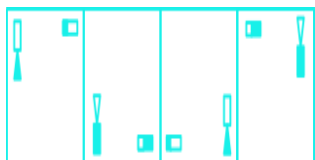
Options :

1. Literates, Girls, Females
2. Father, Males, Sons
3. Boys, Artists, Brothers
4. Bats, Humans, mammals

Solution :

The correct answer is **option 2** i.e. **Father, Males, Sons**.

The possible Venn diagram is:



All fathers are sons, and all sons and fathers are males.

**Question 22 :**

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation. $14 * 7 * 39 * 133 * 19 * 130$

Difficulty : Moderate

Average Time : 46 Seconds

Options :

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

Solution :

The correct answer is **option 2** i.e. $\times, +, -, \div, =$.

Given equation: $14 * 7 * 39 * 133 * 19 * 130$

Let us check all the options:

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

The expression becomes:

$$= 14 \div 7 - 39 + 133 \times 19 = 130$$

= 2490 is not equal to 130.

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

$$= 14 \times 7 + 39 - 133 \div 19 = 130$$

= 130 is equal to 130.

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

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

Question 23 :

Select the number from among the given options that can replace the question mark (?) in the following series. 18, 29, 42, 59, 78, 101, ?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

125

2. 137

3. 130

4. 121

Solution :

The correct answer is **option 3** i.e. **130**.

Given series: 18, 29, 42, 59, 78, 101, ?

The series follows the pattern:

$$18 + 11 = 29$$

$$29 + 13 = 42$$

$$42 + 17 = 59$$

$$59 + 19 = 78$$

$$78 + 23 = 101$$

$$101 + 29 = 130$$

So, the next term in the series is **130**.

Question 24 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. J

P _ L D _ P _ M D J _ C _ D _ P C _ D

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. C, J, N, P, O, J, O

2. C, J, C, P, O, J, P

3. C, J, C, P, N, P, O

4. C, J, C, P, N, J, O

Solution :

The correct answer is **option 4** i.e. **C, J, C, P, N, J, O**.

The sequence is – C, J, C, P, N, J, O

Given sequence: J P _ L D _ P _ M D J _ C _ D _ P C _ D

Option 1: C, J, N, P, O, J, O

J P C L D / J P N M D / J P C O D / J P C O D

Option 2: C, J, C, P, O, J, P

J P C L D / J P C M D / J P C O D / J P C P D

Option 3: C, J, C, P, N, P, O

J P C L D / J P C M D / J P C N D / P P C O D

Option 4: C, J, C, P, N, J, O

J P C L D / J P C M D / J P C N D / J P C O D

Option 4 forms a particular pattern.

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

Question 25 :

'A # B' means 'A is the brother 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 wife of B'. If 'W # Q @ T & Y @ M % K', then how is K related to T?

Difficulty : Moderate

Average Time : 119 Seconds

Options :

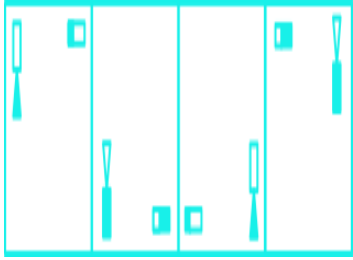
1. Father
2. Father-in-law
3. Mother-in-law
4. Mother

Solution :

The correct answer is **option 2** i.e. **Father-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 figure, K is the father-in-law of T.

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

Question 26 :

Select the option in which the numbers are related in the same way as are the numbers of the following set. (47, 64, 55)

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. (36, 100, 47)
2. (28, 25, 34)
3. (46, 49, 53)
4. (56, 80, 64)

Solution :

The correct answer is **option 3** i.e. (46, 49, 53).

The logic used here is:

(47, 64, 55)

$$(55 - 47)^2 = 8^2 = 64$$

Option 1: (36, 100, 47)

$$(47 - 36)^2 = 11^2 = 121$$

This does not follow the logic.

Option 2: (28, 25, 34)

$$(34 - 28)^2 = 6^2 = 36$$

This does not follow the logic.

Option 3: (46, 49, 53)



$$(53 - 46)^2 = 7^2 = 49$$

This follows the logic.

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

Question 27 :

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 : 59 Seconds

Options :

1. LOUC
2. TXDL
3. BELT
4. LPVD

Solution :

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

The logic used here is:

1st letter + 4 = 2nd letter

3rd letter + 8 = 4th letter

Option 1: LOUC

L + 4 = P

U + 8 = C

This does not follow the logic.

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

Question 28 :

Select the option related to the third word in the same way as the second word is related to the first word. Coerce: Persuade:: Angry:?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

Furious

2. Damaging

3. Intimidate

4. Dangerous

Solution :

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

The logic used here is:

Coerce: Persuade

Coerce means to persuade (an unwilling person) to do something by using force or threats.

Persuade means to induce (someone) to do something through reasoning or argument.

Coerce and Persuade are different words for the same emotional state.

Similarly,

Angry:?

Angry means feeling or showing strong annoyance, displeasure, or hostility; full of anger.

Furious means extremely angry.

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

Question 29 :

In a certain code language, 'DARK' is written as 'CBQJ' and 'SOUND' is written as 'RPVMC'. How will 'TOXIC' be written in that language?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. SPWJB

2. UPYJD

3. SNWHB

4. PUYJD

Solution :

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

The logic used here is:

Vowels + 1 = Code

Consonants - 1 = Code

'DARK' is written as 'CBQJ'

D - 1 = C

A + 1 = B

R - 1 = Q

K - 1 = J

Similarly,

Code for the word TOXIC:

T - 1 = S

O + 1 = P

X - 1 = W

I + 1 = J

C - 1 = B

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

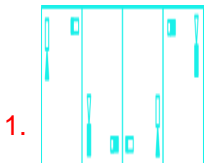
Question 30 :

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

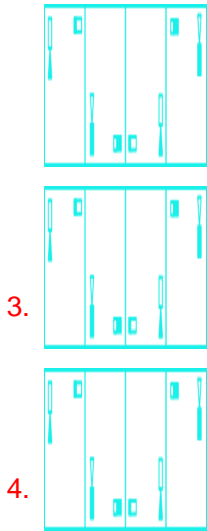
Difficulty : Moderate

Average Time : 57 Seconds

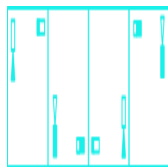
Options :



2.



Solution :

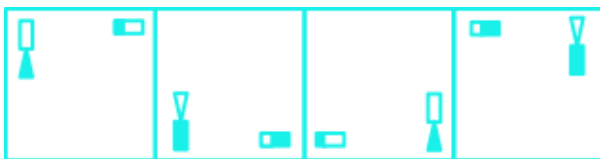


The correct answer is **option 2**.

The logic used here is:

1. The figure with the triangle rotates by 90 degrees in the anticlockwise direction and then the figure is changed to the water image and the shaded portion is interchanged.
2. The rectangle rotates by 90 degrees in the anticlockwise direction and the shaded portion is interchanged.

The series of figures:



Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 31 :



Which of the following is a flightless bird?

Difficulty : Moderate

Average Time : 98 Seconds

Options :

1. Hen
2. Peacock
3. Kiwi
4. Crane

Solution :

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

- The kiwi is a unique and curious bird: it **cannot fly, has loose, hair-like feathers**, strong legs and no tail.
- It is the **national icon of New Zealand and unofficial national emblem**.
- **New Zealanders have been called 'Kiwis' since the nickname was bestowed by Australian soldiers in the First World War.**
- There are **five species of kiwi**.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 32 :

The liver is affected; and skin and eyes turn yellow due to the deposit of bile pigments. Which of the following digestive disorders is described here?

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. Constipation
2. Vomiting
3. Jaundice

Diarrhoea

Solution :

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

The **inflammation of the intestinal tract is the most common ailment due to bacterial or viral infections**. The infections are **also caused by the parasites of the intestine** like tapeworm, roundworm, threadworm, hookworm, pin worm, etc

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 33 :

The lowest temperature at which a substance catches fire is called its:

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. melting points
2. boiling points
3. normal temperature
4. ignition temperature

Solution :

The correct answer is **option 4** i.e. **ignition temperature**

- The **lowest temperature at which a substance catches fire is called its ignition temperature**.
- A combustible substance cannot catch fire or burn as long as its temperature is lower than its ignition temperature.
- The **substances which have very low ignition temperature and can easily catch fire with a flame are called inflammable substances**. Examples of inflammable substances are petrol, alcohol, Liquefied Petroleum Gas (LPG), etc.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select



the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 34 :

Through which amendment was the Tenth Schedule added to the Constitution of India?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. 52nd
2. 42nd
3. 43rd
4. 53rd

Solution :

The correct answer is **option 1** i.e. **52nd**.

1. The anti-defection law **was passed in 1985 through the 52nd Amendment** to the Constitution.
2. The Amendment **added the Tenth Schedule** to the Indian Constitution, intending to curb "the evil of political defections".

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 35 :

Who among the following issued Mahzarnama in 1579?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Shah Jahan
2. Akbar



Humayun

4. Jahangir

Solution :

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

- We can perceive **three phases in the shaping of Akbar's Rajput policy**. During the **first phase, which ended in 1569-70**, Akbar tried to develop and extend the alliance with Rajputs. Rajputs had made an impression on Akbar's mind way back in 1557 when a Rajput contingent under Bhara Mal, the ruler of Amber, had demonstrated its loyalty to Akbar. This led to a matrimonial alliance between Bhara Mal's daughter and Akbar in 1562. The **liberal measures such as 'abolition of jiziya, remission of pilgrim taxes, etc. which Akbar introduced between 1562-64**, strengthened people's faith in Akbar as a liberal ruler.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 36 :

Which of the following waterfalls is located in Madhya Pradesh?

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. Shivasamudram
2. Dhuandhar
3. Dudhsagar
4. Khandadhar

Solution :

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

- It is a mesmerising experience to witness the marble rocks adjoining the graceful Narmada River in Bhedaghat, **Jabalpur**.
- The tranquil **Narmada** flows through high marble rocks and at a short distance, sited the remarkable spectacle of nature; **Dhuandhar falls**. The waterfall has been named so because of the smoky appearance of the water falling off the cliff with utmost force.

**Comprehension :**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 37 :

Who among the following hit the winning runs for India against Australia at the Brisbane Test of January 2021?

Difficulty : Moderate**Average Time : 75 Seconds****Options :**

1. Washington Sundar
2. Shardul Thakur
3. Rishabh Pant
4. Mohammad Siraj

Solution :

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

A truly remarkable end to a scarcely believable series. The record books will show India winning by three wickets in Brisbane and retaining the Border-Gavaskar Trophy courtesy of a 2-1 series verdict, but the bare facts tell none of the story.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 38 :

The Battle of Khanua was fought between Babur and _____.

Difficulty : Moderate**Average Time : 66 Seconds****Options :**

1. Rana Sanga

Todar Mal

3. Sher Shah Suri

4. Hemu

Solution :

The correct answer is **option 1** i.e. **Rana Sanga**

- Rana Sanga of Mewar was a power to reckon with. Babur, in his memoirs, has blamed Rana Sanga for breaking his promise by not siding with him in the battle of Panipat against Ibrahim Lodi.
- Rana expected Babur to return to Kabul and leave him free to establish his hegemony, if not over whole of Hindustan, at least over Rajputana. **Babur's decision to stay back must have given a big jolt to Rana's ambitions.** Babur was also fully aware of the fact that it would be impossible for him to consolidate his position in India unless he shattered the Rana's power.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 39 :

How many oxygen atoms are present in a molecule of potassium permanganate?

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. One
2. Four
3. Three
4. Two

Solution :

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

- Potassium permanganate is prepared by fusion of MnO_2 with an alkali metal hydroxide and an oxidising agent like KNO_3 . This produces the dark green K_2MnO_4 which disproportionates in a neutral or acidic solution to give **permanganate $KMnO_4$.**

Potassium permanganate forms **dark purple (almost black) crystals** which are isostructural with those of KClO_4 . The salt is **not very soluble in water** (6.4 g/100 g of water at 293 K), but when heated it decomposes at 513 K

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 40 :

_____ is one of the most popular folk dances of Odisha.

Difficulty : Moderate**Average Time : 79 Seconds****Options :**

1. Hojagiri
2. Giddha
3. Rauf
4. Dalkhai

Solution :

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

- Dalkahi is a **ritual folk dance of western Orissa in Sambalpur region.**
- This is **dedicated to Dalkhai Devi, Goddess Durga, Parvati and Kali.** It is the **form of Shakti or power of the Goddess which is worshiped during Dalkahai.**
- On this day the **devotees create a rectangular or square shaped area and arrange sixteen Gods all around with Dalkahi Devi at the center.**
- **Ravana is also worshiped for his wisdom.** It is a festival of nine days. It is a matter to consider that Dalkahi songs and dances are becoming modern day by day and the village folks are using these for commercial purposes.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 41 :

Which of the following is located in Gujarat?

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. Alai Darwaza
2. Rani-ki-Vav
3. Humayun Tomb
4. Bibi Ka Maqbara

Solution :

The correct answer is **option 2** i.e. **Rani-ki-Vav**

- **Rani-ki-Vav, on the banks of the Saraswati River, was initially built as a memorial to a king in the 11th century AD.**
- Stepwells are a distinctive form of subterranean water resource and storage systems on the Indian subcontinent, and have been constructed since the 3rd millennium BC. They evolved over time from what was basically a pit in sandy soil towards elaborate multi-storey works of art and architecture.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 42 :

India's first seaplane service, that was launched in November 2020, operates between Kevadiya and _____.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Surat
2. Vadodara
3. Rajkot
4. Ahmedabad

**Solution :**

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

- The **Prime Minister inaugurated Water Aerodrome at Kevadia** and the **Sea-plane Service connecting Statue of Unity in Kevadia with Sabarmati Riverfront** in Ahmedabad on 31 OCT 2020.
- Seaplanes have the ability to land and take-off from water thus offering access to areas that do not have landing strips or runways. Thus it **can help in connecting the geographies/regions that have challenges owing to its topography and bring the remotest parts of India into the mainstream aviation network without the high cost of building airports and runways.**
- These smaller fixed wing airplanes can land on water bodies like lakes, backwaters and dams, gravel and grass, thus offering easy access to numerous tourist spots as well.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 43 :

With which sports do you associate the name Prasanta Dora, who passed away at the age of 44 in January 2021?

Difficulty : Moderate

Average Time : 91 Seconds

Options :

1. Wrestling
2. Football
3. Volleyball
4. Cycling

Solution :

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

- Former **Indian goalkeeper Prasanta Dora**, who made a name for himself while playing for **big three clubs of Kolkata** Maidan died at the age of 44.
- Having made debut in the group IX Olympic qualifier home match against Thailand in 1999, Prasanta went on to represent India at the SAFF Cup, SAF Games later and made five appearances.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 44 :

The name 'QSRAM' was in the news in November 2020. What is QSRAM?

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. Anti-tank weapon system
2. Indigenously designed torpedoes
3. Short range surface-to-air missile system
4. Inter-continental ballistic missile system

Solution :

The correct answer is **option 3** i.e. **Short range surface-to-air missile system**

Quick Reaction Surface to Air Missile (QRSAM) System has achieved a major milestone by a direct hit on to a Banshee Pilotless target aircraft at medium range & medium altitude.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 45 :

Which of the following was NOT a part of Gondwanaland?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Australia
2. India



North America

4. South America

Solution :

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

- **Alfred Lothar Wegener** (1880-1930) was a German meteorologist, climatologist and geophysicist is credited for formally developing **continental drift hypothesis**.
- His hypothesis was an innovative scientific concept that developed in the years 1908-1912 and popularly known as Wegener's Continental Drift Hypothesis.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 46 :

The Indian Mutiny began from Meerut on 10 May 1857 and ended in:

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Gwalior on 20 June 1858
2. Jhansi on 15 August 1860
3. Delhi on 18 September 1859
4. Kolkata on 13 May 1858

Solution :

The correct answer is **option 1** i.e. **Gwalior on 20 June 1858**

- The revolt of 1857 forms one of the most important chapters in the history of the struggle of the Indian people for liberation from the British rule.
- What **started merely as a sepoy mutiny soon engulfed the peasantry and other civilian population** over wide areas in northern India. The upsurge was so widespread that some of the contemporary observers called it - a - "**national revolt**".

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 47 :

Which of the following body parts behaves like a stretched rubber sheet?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Tongue
2. Nostril
3. Eye lens
4. Eardrum

Solution :

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

- The ears perform two sensory functions, hearing and maintenance of body balance. Anatomically, the ear can be divided into three major sections called the outer ear, the middle ear and the inner ear.
- The outer ear consists of the pinna and external auditory meatus (canal). The pinna collects the vibrations in the air which produce sound.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 48 :

The rupee symbol, which was introduced in India in 2010, is an amalgamation of the Devanagari 'Ra' and the _____ 'R' without the stem.

Difficulty : Moderate

Average Time : 74 Seconds

Options :



1. Brahmi
2. Roman
3. Ol Chiki
4. Cyrillic

Solution :

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

- The Indian currency is called the Indian Rupee (INR). One Rupee consists of 100 Paise. The symbol of the Indian Rupee is ₹. The design resembles both the **Devanagari letter "₹" (ra)** and the **Latin capital letter "R"**, with a double horizontal line at the top.
- **July 15, 2010 turned out to be a historic day**, as the Indian Rupee got the much awaited symbol, just like other leading currencies of the world viz – Dollar, Euro, Pound Sterling and the Yen. The **new symbol is an amalgamation of Devanagari –‘Ra’ and the Roman ‘R’ without the stem**. Till now, the rupee was written in various abbreviated forms in different languages

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 49 :

The initiative of jail tourism, a first of its kind, was launched in January 2021 in the state of _____.

Difficulty : Moderate

Average Time : 89 Seconds

Options :

1. Maharashtra
2. Chhattisgarh
3. Uttar Pradesh
4. Andhra Pradesh

Solution :

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

- **On Republic Day of 2021**, the **Prison Department of Maharashtra** launched its **jail tourism initiative** starting

with more than 150-year-old Yerawada Central Prison in Pune.

- **Constructed in 1866, Yerawada Central Prison is the largest jail in Maharashtra** and one of the largest maximum security prisons in the country.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 50 :

Gautamiputra Satakarni was a _____ ruler.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Mauryan
2. Eastern Ganga
3. Satavahana
4. Parthian

Solution :

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

- **Contemporary to the Sakas were the Satavahanas in the Deccan.** The Satavahana family laid the foundation of the **first monarchical polity in Deccan in the post-Mauryan period.**
- The Satavahanas are **identical with the Andhras of Puranas.** The Sanskrit Puranic texts mention the Satavahanas as belonging to the **Andhra-jati or as Andhrabhrityas.** The Puranas provide us with varying lists of rulers of the Andhra origin; **Matsya and the Brahmanda Purana** mention a list of 30 kings who were assigned a period of 460 years whereas the Vayu Purana gives a list of 17 kings covering 300 years.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 51 :

Which of the following is NOT a traditional water storage structure?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. Johad
2. Haryali
3. Kund
4. Tanka

Solution :

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

- Indigenous Traditional Knowledge is based on common sense and wisdom of local people of area.
- The people may not be essentially literally qualified but they make use of their ancestral skills efficiently for making necessary improvements in the existing water harvesting structures as per need.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 52 :

Who among the following appoints the Speaker 'Pro tem' of the Lok Sabha?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. President
2. Chief Election Commissioner
3. Chief Justice of Supreme Court
4. Prime Minister

Solution :

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



As per the second provision to article 94 of the Constitution, the office of the Speaker becomes vacant immediately before the first meeting of the new Lok Sabha.

- As provided by the Constitution, the Speaker of the Lok Sabha vacates his office.
- Therefore, **the President appoints a member of Lok Sabha as the Speaker Pro Tem.**

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 53 :

What are the two variables whose relationship is given by the environmental Kuznets curve?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Inequality and tax revenue
2. Inequality and per capita income
3. Environmental degradation and tax revenue
4. Environmental degradation and per capita income

Solution :

The correct answer is **option 4** i.e. **Environmental degradation and per capita income**

Kuznet **hypothesized that the relationship between the level of economic development and income inequality** takes the form of an **inverted U-curve**.

This hypothesis is commonly referred to as the inverted-U hypothesis and the curve is called the Kuznets' curve.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 54 :

Who among the following earned the sobriquet 'Bharat Kokila' from Mahatma Gandhi?



Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. Annie Besant
2. Sucheta Kriplani
3. Sarojini Naidu
4. Toru Dutt

Solution :

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

- Sarojini Naidu also known as **Bharatiya Kokila(The nightingale of India)** was more than a poet. She was one of the most illustrious Indians who contributed to the cultural, political and social advancement of the nation in numerous ways.
- Naidu was **born on February 13, 1879**. Her father Aghoranath Chattopadhyaya was a scientist and philosopher. He **was the founder of the Nizam College Hyderabad**.

Question 55 :

→ ABC is an equilateral triangle with side 18 cm. D is a point on BC such that $BD = \frac{1}{2} BC$. Then length (in cm) of AD is :

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 67
2. 83
3. 76
4. 63

Solution :

The correct answer is **option 1** i.e. **67**

In ABD

$$\cos B = \frac{AB^2 + BD^2 - AD^2}{2 \times AB \times BD}$$

$$\cos 60^\circ = \frac{18^2 + 6^2 - AD^2}{2 \times 18 \times 6}$$



$$1/2 = (324 + 36 - AD^2)/216$$

$$216 = 648 + 72 - 2AD^2$$

$$2AD^2 = 648 + 72 - 216$$

$$AD^2 = 252$$

$$AD = 67$$

Question 56 :

The given histogram represent the marks obtained by 128 students. Read the graph and answer the question that follows. What percent of students got marks less than 60?

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

1. 67.5%
2. 72.5%
3. 75%
4. 62.5%

Solution :

The correct answer is **option 4** i.e. **62.5%**

Total no. of students = 128

no. of students below 60 marks = 80

percent of students below 60 marks = $(80/128) \times 100 = 62.5\%$

Question 57 :

If the 9 -digit number $89x64287y$ is divisible by 72, then what is the value of $(3x + 2y)$?

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

1. 28
2. 30
3. 25

**31****Solution :**

The correct answer is **option 1** i.e. **28**

$$89x64287y$$

87y is divisible by 8 (divisibility rule of 8 last three digits divisible by 8 then no. is divisible by 8)

$$y = 2$$

$$8 + 9 + x + 6 + 4 + 2 + 8 + 7 + 2 = 46 + x$$

$$x = 8$$

$$3x + 2y = 3 \times 8 + 2 \times 2 = 24 + 4 = 28$$

Question 58 :

There are some children in a camp and their average weight is 40 kg. If 5 children with average weight 36 kg join the camp or if 5 children with average weight 43.2 kg leave the camp , the average weight of children in both cases is equal. How many children are there in the camp , initially ?

Difficulty : Moderate**Average Time : 50 Seconds****Options :****1. 45****2. 50****3. 40****4. 35****Solution :**

The correct answer is **option 1** i.e. **45**

Let total number of children in the camp be x

$$\text{Average weight of } x \text{ children} = 40$$

$$\text{Sum of weight of } x \text{ children} = 40x$$

$$\text{Average weight of 5 children} = 36$$

$$\text{Sum of weight of first 5 children} = 36 \times 5 = 180$$

$$\text{Average weight of second 5 children} = 43.2$$



Sum of weight of 5 children = $43.2 \times 5 = 216$

$$(40x + 180)/(x + 5) = (40x - 216)/(x - 5)$$

$$(40x + 180)(x - 5) = (40x - 216)(x + 5)$$

$$40x^2 - 200x + 180x - 900 = 40x^2 + 200x - 216x - 1080$$

$$4x = 180 = 45$$

Question 59 :

Lucky spends 85% of her income. If the expenditure by x % savings increase by 60% and income increases by 26% , then what is the value of x ?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 34

2. 30

3. 20

4. 26

Solution :

The correct answer is **option 3** i.e. **20**

Let the income of lucky be $100x$

increased income = $126x$

Expenditure of lucky = $85x$

Saving = $15x$

$$15x \times \frac{8}{5} = 24x$$

$$\text{expenditure} = 126x - 24x = 102x$$

$$\text{Increase in expenditure} = 102x - 85x = 17x$$

$$\text{percentage increased} = (17x/85x) \times 100 = 20\%$$

Question 60 :

A person marked price of an articles is Rs180. Renu sells it after 20% discount on its markes price and still gains 25%. The cost price (in Rs) of the articles is :



Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 120.80
2. 110.80
3. 115.20
4. 125.50

Solution :

The correct answer is **option 3** i.e. **115.20**

$$MP = 180$$

$$\text{Profit percentage} = 25\%$$

$$\text{Discount} = 20\%$$

$$SP = 180 \times \frac{4}{5} = 144$$

$$CP = 144 \times \frac{4}{5} = 115.2$$

Question 61 :

If $\theta = 4\sec^{-1} \cot \theta$, $0^\circ < \theta < 90^\circ$, then the value of $\cot \theta + \operatorname{cosec} \theta$ is :

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. $\frac{5\sqrt{3}}{3}$
2. 3
3. $\frac{5\sqrt{3}}{3}$
4. 33

Solution :

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

$$\frac{1}{1+\sin \theta} \times \frac{1 - \sin \theta}{1 - \sin \theta} + \frac{1}{1 - \sin \theta} \times \frac{1 + \sin \theta}{1 + \sin \theta}$$



$$(1 + \sin / 1 - \sin^2) + (1 - \sin / 1 - \sin^2) = 4\sec$$

$$(1 + \sin / \cos^2) + (1 - \sin / \cos^2) = 4\sec$$

$$(1 + \sin + 1 - \sin) / \cos^2 = 4\sec$$

$$2 / \cos^2 = 4\sec$$

$$2\sec^2 = 4\sec$$

$$\sec = 2$$

$$= 60^\circ$$

$$\cot + \operatorname{cosec} = \cot 60^\circ + \operatorname{cosec} 60^\circ$$

$$\cot + \operatorname{cosec} = (1/3) + (2/3)$$

$$\cot + \operatorname{cosec} = 3/3 = 3$$

Question 62 :

The bisector of $\angle A$ in $\triangle ABC$ meets side BC at D . If $AB = 12$ cm, $AC = 15$ cm and $BC = 18$ cm, then the length of DC is :

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

1. 9 cm

2. 6 cm

3. 8 cm

4. 10 cm

Solution :

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

$$DC/BD = AC/AB$$

$$DC/BD = 15/12$$

$$DC : BD = 15x : 12x$$

$$BC = BD + DC$$

$$18 = 12x + 15x$$

$$18 = 27x$$



$$x = 18/27$$

$$x = 2/3$$

$$DC = 15x = 15 \times 2/3 = 10$$

Question 63 :

The perimeter of a circular lawn is 1232 m . There is 7 m wide path around the lawn. The area (in m²) of the path is :(

Take $= (\frac{22}{7})$)

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 8778
2. 8558
3. 8800
4. 8756

Solution :

The correct answer is **option 1** i.e. **8778**

$$\text{Perimeter} = 2r$$

$$\text{Area of the path} = (R^2 - r^2)$$

$$2r = 1232$$

$$r = 616$$

$$\frac{22}{7} \times r = 616$$

$$r = 196$$

$$\text{Radius with the path} = 196 + 7 = 203$$

$$\text{Area of the path} = (203^2 - 196^2)$$

$$= \frac{22}{7} \times 399 \times 7$$

$$= 8778$$

Question 64 :

Triangles ABC and DBC are right angled triangles with common hypotenuse BC , BD and AC intersect at P when produced . If P of BD, PA = 8 cm, PC = 4 cm and PD = 3.2 cm , then the length of BD, in cm is :



Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 5.6
2. 6.8
3. 7.2
4. 6.4

Solution :

The correct answer is **option 2** i.e. **6.8**

ABP and DCP are similar

$$PA/PD = PB/PC$$

$$PA \times PC = PB \times PD$$

$$8 \times 4 = 3.2 \times PB$$

$$32 = 3.2 \times PB$$

$$32/3.2 = PB$$

$$PB = 10$$

$$BD = PB - PD = 10 - 3.2 = 6.8$$

Question 65 :

Find the value of $\operatorname{cosec}(60^\circ + A) - \sec(30^\circ - A) + .$

Difficulty : Moderate

Average Time : 41 Seconds

Options :

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

Solution :

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

$$\operatorname{cosec} (90 - 60 - A) - \sec (30 - A) + \operatorname{cosec} (90 - 49) / \sec 41$$

$$\sec (30 - A) - \sec (30 - A) + \sec 41 / \sec 41$$

1

Question 66 :

The value of $54 \div 16 \text{ of } 3 \times [12 \div 4 \text{ of } \{6 \times 3 \div (11 - 2)\}] \div (12 \div 8 \times 2)$ is :

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. $3/4$
2. $9/8$
3. $3/8$
4. $9/16$

Solution :

The correct answer is **option 4** i.e. **9/16**

$$54 \div 16 \text{ of } 3 \times [12 \div 4 \text{ of } \{6 \times 3 \div 9\}] \div (3/2 \times 2)$$

$$54 \div 16 \text{ of } 3 \times [12 \div 4 \text{ of } 2] \div 3$$

$$54 \div 16 \text{ of } 3 \times [12 \div 8] \div 3$$

$$54 / 48 \times 3/2 / 3$$

$$54/48 \times 3/6$$

$$54/48 \times 3/6$$

$$9/16$$

Question 67 :

Study the following table and answer the question : Number the students enrolled for Vocational courses (VC) in five institutes - A, B, C, D & E. Year/Institute 2013 2014 2015 2016 2017 2018 A 120 135 130 135 128 140 B 125 132 138 132 135 142 C 125 120 125 138 140 135 D 100 125 122 140 128 138 E 105 110 115 147 130 145 What is the sum of the average number of students enrolled for VC in institutes B in 2014, 2015 and 2017 and the average number of students enrolled in institutes E in 2013 and 2018?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

250

2. 265

3. 260

4. 255

Solution :

The correct answer is **option 3** i.e. **260**

sum of the average number of students enrolled for VC in institutes B in 2014, 2015 and 2017 = $132 + 138 + 135 = 405/3 = 135$

the average number of students enrolled in institutes E in 2013 and 2018 = $105 + 145 = 250/2 = 125$

sum = $135 + 125 = 260$

Question 68 :

Study following table and answer the question : Number of students enrolled for Vocational Courses (VC) in five institutes - A,B,C,D and E. Year/Institutes 2013 2014 2015 2016 2017 2018 A 120 135 130 135 128 140 B 125 132 138 132 135 142 C 125 120 125 138 140 135 D 100 125 122 140 128 138 E 105 110 115 147 130 145 The total number of students enrolled for VC in institutes A, B and D in 2015 is what percent more than the total number of students enrolled in institutes C and E in 2018? (correct to one decimal point)

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

1. 28.2

2. 36.8

3. 35.7

4. 39.3

Solution :

The correct answer is **option 4** i.e. **39.3**

total number of students enrolled for VC in institutes A, B and D in 2015 = $130 + 138 + 122 = 390$

the total number of students enrolled in institutes C and E in 2018 = $135 + 145 = 280$

% more = $[(390 - 280)/280] \times 100$

= 39.3%

**Question 69 :**

A train running at 48 km/h crosses a man going with the speed of 12 km/h, in the same direction, in 18 second and passes a woman from coming from the opposit direction in 12 seconds . The soeed (in km/h) of the woman is :

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

1. 6
2. 8
3. 9
4. 10

Solution :

The correct answer is **option 1** i.e. **6km**

Relative speed = $48 - 12 = 36$ km/h

Speed = $36 \times \frac{5}{18} = 10$ m/sec

length of the train = $18 \times 10 = 180$ m

speed = $180/12 = 15$ m/sec = 54 km/h

Speed of the woman = $54 - 48 = 6$ km

Question 70 :

ABCD is a cyclic quadrilateral in which A - x° , B - $5y^\circ$, C - $2x^\circ$ and D - y° . What is the value of $(3x - y)$?

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

1. 120
2. 90
3. 150
4. 60

Solution :

The correct answer is **option 3** i.e. **150**

The sum of a pair of opposite angles is 180°



$$A + C = 180^\circ$$

$$x + 2x = 180^\circ$$

$$3x = 180^\circ$$

$$x = 60^\circ$$

$$B + D = 180^\circ$$

$$5y + y = 180^\circ$$

$$6y = 180^\circ$$

$$y = 30^\circ$$

$$(3x - y) = (60 \times 3 - 30) = 150$$

Question 71 :

To do a certain work, the ratio of efficiencies of X and Y is 5 : 7. Working together, X and Y can complete the same work in 70 days. X alone started the work and left after 42 days. Y alone will complete the remaining work on :

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

1. 90 days
2. 72 days
3. 96 days
4. 80 days

Solution :

The correct answer is **option 1** i.e. **90 days**.

$$\text{Efficiencies ratio X to Y} = 5 \hat{=} 7$$

$$\text{Total work} = (5 + 7) \times 70 = 840$$

$$\text{Work done by X in 42 days} = 42 \times 5 = 210$$

$$\text{Remaining work} = 840 - 210 = 630$$

$$\text{Remaining work completed by Y in} = 630/7 = 90 \text{ days}$$

Question 72 :

If $x + y + z = 2$, $x^3 + y^3 + z^3 - 3xyz = 74$, then $(x^2 + y^2 + z^2)$ is equal to :

**Difficulty : Moderate****Average Time : 44 Seconds****Options :**

1. 24
2. 26
3. 29
4. 22

Solution :The correct answer is **option 2** i.e. **26**

$$a^3 + b^3 + c^3 - 3abc = (a + b + c)/2 [3(a^2 + b^2 + c^2) - (a + b + c)^2]$$

$$2/2 [3(x^2 + y^2 + z^2) - 2^2] = 74$$

$$3(x^2 + y^2 + z^2) = 74 + 4$$

$$x^2 + y^2 + z^2 = 78/3 = 26$$

Question 73 :

A dealer bought some toys for Rs 1800. He sold 40% of these at a loss of 15% and $33\frac{1}{2}\%$ of the remaining toys at 20% profit. At what percent profit should he sell remaining toys to earn an overall profit of 10%?

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

1. 20%
2. 25%
3. 30%
4. 24%

Solution :The correct answer is **option 3** i.e. **30%**

$$\text{Profit} = 1800 \times 1/10 = 180$$

$$\text{SP of 40\%} = 1800 \times 2/5 \times 17/20 = 612$$

$$\text{SP of 33.33\% of the remaining} = 1800 \times 3/5 \times 1/3 \times 6/5 = 432$$



$$\text{Remaining toys} = 1800 \times \frac{3}{5} \times \frac{2}{3} = 720$$

$$\text{SP of remaining} = 1980 - 612 - 432 = 936$$

$$\text{Profit \%} = \frac{(936 - 720)}{720} \times 100 = 30\%$$

Question 74 :

If $\sin \theta + \sin \phi = \cos \theta + \cos \phi = 1$, then $\sin \theta + \cos \phi = ?$

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

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

Solution :

The correct answer is **option 3** i.e. **1**

The value of θ and ϕ from the above eqn we can say be either 0 or 90 vice versa

thus putting the values in the eqn we will get

$$\sin 90 + \cos 90 = 1$$

$$\sin 0 + \cos 0 = 1$$

Question 75 :

If $(2x + y)^3 - (x - 2y)^3 = (x + 3y) [Ax^2 + By^2 + Cxy]$, then what is the value of $(A + 2B + C)$?

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

1. 13
2. 14
3. 7
4. 10

Solution :

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

$$x^3 - y^3 = (x - y)(x^2 + y^2 + xy)$$

$$(2x + y)^3 - (x - 2y)^3 = (2x + y - x + 2y) [(2x + y)^2 + (x - 2y)^2 + (2x + y)(x - 2y)]$$

$$(x + 3y) [4x^2 + y^2 + 4xy + x^2 + 4y^2 - 4xy + 2x^2 - 4xy + xy - 2y^2]$$

$$(x + 3y) [7x^2 + 3y^2 - 3xy]$$

$$A = 7B = 3C = -3$$

$$(A + 2B + C) = 7 + 6 - 3 = 10$$

Question 76 :

The following bar graph shows the amount (in Lakh Rs) invested by a Company in purchasing raw material over the years and the value (in Lakh Rs) of finished goods sold by the Company over the years. The ratio of total amount invested for purchasing raw material from 2013 to 2015 to the total sales of finished goods in 2014, 2016, and 2017 is :

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. 27 : 56

2. 56 : 27

3. 64 : 37

4. 37 : 64

Solution :

The correct answer is **option 4** i.e. **37 : 64**

$$\text{Total amount invested in 2013 ,2014 ,2015} = 250 + 350 + 325 = 925$$

$$\text{Total sales of finished goods in 2014,2016,2017} = 475 + 600 + 525 = 1600$$

$$\text{Ratio} = 925 : 1600$$

$$37 : 64$$

Question 77 :

When x is subtracted from each of the numbers 54, 49, 22, and 21 the numbers so obtained are in proportion. The ratio of $(8x - 25)$ to $(7x - 26)$ is :

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. 5 : 4

2. 27 : 26

3. 29 : 24

4. 15 : 13

Solution :The correct answer is **option 3** i.e. **29 : 24**

$$p/q = r/s$$

$$(54 - x)/(49 - x) = (22 - x)/(21 - x)$$

$$(54 - x)(21 - x) = (49 - x)(22 - x)$$

$$1134 - 54x - 21x + x^2 = 1078 - 49x - 22x + x^2$$

$$4x = 56$$

$$x = 14$$

$$= (8x - 25) : (7x - 26)$$

$$= (8 \times 14 - 25) : (7 \times 14 - 26)$$

$$= (112 - 25) : (98 - 26)$$

$$= 87 : 72 = 29 : 24$$

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 78 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. The mouse, however, reached his hole in safety. B. A bull was bitten by a mouse, and, pained by the wound, tried to capture him. C. The mouse, peeping out, crept up his flank and, again biting him, retreated to his hole. D. The bull dug into the walls with his horns until, wearied, he crouched down and slept by the hole.

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

**Options :**

1. BCDA
2. BADC
3. ADBC
4. DACB

Solution :

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

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

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

- Sentence B is the independent sentence as it is giving general information about "a bull bitten by a mouse". So, **sentence B** is the first sentence after rearrangement.
- Sentence A is telling that the mouse reached safely in his hole after biting the bull. Hence, **sentence A follows sentence B**.
- **Sentence D** is explaining what the bull had done to catch the mouse should come after sentence A, to maintain continuity on the topic.
- **Sentence C** is the **concluding statement** of the passage because it is telling how the mouse again succeeded in biting the bull.
- Thus, the correct order after rearrangement is **option 2** i.e. **BADC**.

The paragraph is: **A bull was bitten by a mouse, and, pained by the wound, tried to capture him. The mouse, however, reached his hole in safety. The bull dug into the walls with his horns until, wearied, he crouched down and slept by the hole. The mouse, peeping out, crept up his flank and, again biting him, retreated to his hole.**

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 79 :

Select the INCORRECTLY spelt word.



Difficulty : Moderate

Average Time : 125 Seconds

Options :

1. Deceive
2. Review
3. Reciept
4. Perceive

Solution :

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

The correct word is '**Receipt**' which means '**something such as a piece of paper or message proving that money, goods, or information have been received**'.

For example: *Make sure you are given a receipt for everything you buy.*

All other words are correctly spelt.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 80 :

Select the most appropriate meaning of the given idiom. On edge

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Keeping things safely
2. Doing exercises regularly
3. Playing a tiring game
4. Nervous and unable to relax

Solution :

The correct answer is **Option 4** i.e. **Nervous and unable to relax.**

The idiom '**On edge**' means '**feeling nervous**' or '**not calm and relaxed**'.

For example: *The students were on edge before the final exam in their math class.*

From the given options, '**nervous and unable to relax**' is the most appropriate meaning of the given idiom.

Hence, the correct answer is **Option 4** i.e. **Nervous and unable to relax.**

Question 81 :

Select the option that can be used as a one-word substitute for the given group of words. An incongruous or chaotic mixture

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Harmony
2. Cacophony
3. Discord
4. Melody

Solution :

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

The word '**Cacophony**' means '**A harsh discordant mixture of sounds**'.

For example: *As we entered the farmyard we were met with a cacophony of animal sounds.*

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 82 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Many artisans were almost without any work during the pandemic.



Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. any without almost
2. without any almost
3. No substitution
4. almost any without

Solution :

The correct answer is **Option 3** i.e. **No substitution**.

- In the underlined segment of the sentence, no correction or substitution is required.
- The given sentence is telling that many craftsmen were nearly unemployed during the pandemic.
- The adverb '**almost**' is correctly used as it means **very nearly; not quite**.
- The preposition '**without**' is correctly used as it means **not having or showing something**.
- The determiner '**any**' is correctly used as it is used to refer to one or some of a thing or a number of things, no matter how much or how many.

Hence, the correct answer is **Option 3** i.e. **No substitution**.

Question 83 :

Select the most appropriate ANTONYM of the given word. Ramify

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Divide
2. Insulate
3. Unite
4. Isolate

Solution :

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

- The word '**Ramify**' means **to divide or spread out into branches or branchlike parts; extend into subdivisions**.

For example: *Younger branches of the family moved beyond the parish boundaries and ramified the surname widely.*

- The most appropriate antonym of the given word is '**Unite**' which means '**to join together as a group, or to make people join together as a group; to combine**'.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 84 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. It is essential for the marketer to study the behaviour of the consumers in order to make better strategic marketing decisions. B. The study of consumer behaviour is equally important for the non-profit organisations such as governmental agencies, hospitals, NGOs, charitable organisations. C. Thus, by studying the consumer behaviour before and during purchase helps in production scheduling, designing, pricing, positioning, segmentation, advertising and other promotional activities. D. If the marketer has complete knowledge about the consumer's likings or disliking, then he can predict the response of the potential customers towards his offerings.

Difficulty : Moderate

Average Time : 108 Seconds

Options :

1. CDBA
2. BCAD
3. ADCB
4. ACBD

Solution :

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

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

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

- Sentence A is the independent sentence as it is giving general information about "studying the behavior of the



- consumers by the marketer. So, **sentence A** is the first sentence after rearrangement.
- Sentence D is explaining how the marketer can predict the response of the potential customers. Hence, **sentence D follows sentence A**.
 - **Sentence C** is explaining how the customer behavior study helps the marketer should come after sentence D, to maintain continuity on the topic.
 - **Sentence B** is the **concluding statement** of the passage because it is telling how the study of consumer behavior helps other non-profit organizations as well.
 - Thus, the correct order after rearrangement is **option 3** i.e. **ADCB**.

The paragraph is: **It is essential for the marketer to study the behaviour of the consumers in order to make better strategic marketing decisions. If the marketer has complete knowledge about the consumer's likings or disliking, then he can predict the response of the potential customers towards his offerings. Thus, by studying the consumer behaviour before and during purchase helps in production scheduling, designing, pricing, positioning, segmentation, advertising and other promotional activities. The study of consumer behaviour is equally important for the non-profit organisations such as governmental agencies, hospitals, NGOs, charitable organisations.**

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 85 :

Select the most appropriate synonym of the given word. Shimmer

Difficulty : Moderate

Average Time : 137 Seconds

Options :

1. Shine
2. Shiver
3. Quake
4. Shake

Solution :

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

- The word '**Shimmer**' means '**to shine with a soft light that changes strength**'.



For example: *The stars shimmered in the night sky.*

- The most appropriate synonym of the given word is 'Shine' which means 'to reflect light; to be bright.'

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

Question 86 :

Select the option that can be used as a one-word substitute for the given group of words. A family of young birds

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Kids
2. Litter
3. Offspring
4. Brood

Solution :

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

The word '**Brood**' means '**a group of young birds all born at the same time**'.

For example: *The blackbird flew back and forth to its brood.*

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

Question 87 :

Select the most appropriate ANTONYM of the given word. Impoverished

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Unlucky
2. Rich
3. deprived
4. Needy

Solution :

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



The word '**Impoverished**' means '**very poor**'.

- The most appropriate antonym of the given word is '**Rich**' which means '**having a great deal of money or assets; wealthy**'.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 88 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Impeccable
2. Incandescent
3. Impervious
4. Inconclusive

Solution :

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

The correct word is '**Incandescent**' which means '**producing a bright light from a heated filament or other part; extremely bright**'.

For example: *The mountain's snow-white peak was incandescent against the blue sky.*

All other words are correctly spelt.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____



stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 89 :

Select the most appropriate synonym of the given word. Uncanny

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Mysterious
2. Unprotected
3. Exposed
4. Plain

Solution :

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

- The word '**Uncanny**' means '**strange or mysterious, especially in an unsettling way**'.
- The most appropriate synonym of the given word is '**Mysterious**' which means '**strange, not known, or not understood**'.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 90 :

Select the option that expresses the given sentence in passive voice. The armed forces put up an impressive parade on Republic Day.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. An impressive parade have been put up by the armed forces on Republic Day.
2. An impressive parade is putting up by the armed forces on Republic Day.
3. An impressive parade was being put up on Republic Day by the armed forces.

An impressive parade was put up by the armed forces on Republic Day.

Solution :

The correct answer is **Option 4** i.e. **An impressive parade was put up by the armed forces on Republic Day.**

Active form: **The armed forces put up an impressive parade on Republic Day.**

Rules for changing Active form to Passive from:

- Simply exchange the places of the subject and the object. The subject should become the object and vice-versa while changing a sentence from Active to Passive voice or reverse.
- Now, convert the main verb into its past participle or third form while converting from active to passive voice.
- Use the word "by" before the subject in the passive sentence.

Now, the given sentence is in simple past tense. When the active form is in "**V₂**" form then the passive voice should follow the format "**was/were + V₃**" form.

The passive form will be: **An impressive parade was put up by the armed forces on Republic Day.**

Hence, the correct answer is **Option 4** i.e. **An impressive parade was put up by the armed forces on Republic Day.**

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 91 :

Select the most appropriate meaning of the given idiom. A square deal

Difficulty : Moderate

Average Time : 122 Seconds

Options :

1. A nice decoration
2. A dishonest transaction
3. A fair agreement
4. An unfair agreement

Solution :

The correct answer is **Option 3** i.e. **A fair agreement.**

Idiom '**A square deal**' means '**a fair agreement**'.

For example: *I reckon we got a square deal on that car.*

From the given options, **a fair agreement** is the most appropriate meaning of the given idiom.

Hence, the correct answer is **Option 3** i.e. **A fair agreement**.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 92 :

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 there is no error, select 'No error'. The balloon flew up / as soon as / the man cutting the string.

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. No error
2. as soon as
3. the man cutting the string
4. The ballon flew up

Solution :

The correct answer is **Option 3** i.e. **the man cutting the string**.

- The error lies in option 3 due to the wrong usage of tense.
- The given sentence is in the past tense.
- Therefore, the past tense form of the verb '**cut**' should be used.

The correct sentence is:- **The balloon flew up as soon as the man cut the string.**

Hence, the correct answer is **Option 3** i.e. **the man cutting the string**.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Essaouira's origins stretch back to prehistoric times, and this spot on

Morocco's Atlantic coast (1)_____ a centre of culture and commerce ever since. (2)_____ centuries, the harbour town was an important trading post (3)_____ both a seaport and as the north-western terminus of a caravan (4)_____ stretching across the desert to Timbuktu (5)_____ Africa's interior.

Question 93 :

Select the most appropriate option to fill in the blank. The invention of fertilisers and insecticides has increased agricultural _____ which is required to feed the swelling population of the world.

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. cargo
2. goods
3. output
4. product

Solution :

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

- The given sentence is talking about the increase in agricultural production because of the invention of fertilizers and insecticides.
- Therefore, the most appropriate word to be filled in the blank is '**output**' which means '**the action or process of producing something**'.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

Question 94 :

Select the most appropriate option to fill in blank 1.

Difficulty : Moderate

Average Time : 75 Seconds

Options :



growth

2. height

3. summit

4. peak

Solution :

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

- The given blank is talking about the waterfalls those have less height.
- The use of the word 'steepness' indicates having an almost vertical slope.
- Therefore, '**height**' which means '**the measurement of something from base to top**' is the correct word for the given blank.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

Question 95 :

Select the most appropriate option to fill in blank 2.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. example

2. term

3. idiom

4. call

Solution :

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

- The given blank is further describing about the word cascades.

Therefore, 'term' which means 'a word or expression used in relation to a particular subject, often to describe something official or technical' is the most appropriate word for the given blank.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

Question 96 :

Select the most appropriate option to fill in blank 3.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. above
2. beyond
3. along
4. overhead

Solution :

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

- The given blank is talking about a series of small waterfalls from one end to the other end of the river.
- In the given blank, '**along**' is most appropriate preposition, as it is used to indicate '**from one end to or towards the other end of something**'.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

**Question 97 :**

Select the most appropriate option to fill in blank 4.

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. flourish
2. exhibit
3. boast
4. parade

Solution :

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

- The given blank talks about the irregular fluctuations or mixing of water in the river.
- After going through the option, we can easily find that the most appropriate word for the given blank is 'exhibit' which means 'to show something'.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Waterfalls, sometimes called cataracts, arise from an abrupt steepening of a river channel that causes the flow of water to drop vertically, or nearly so. Waterfalls of small (1)_____ and lesser steepness are called cascades; the (2)_____ is often applied to a series of small falls (3)_____ a river. Still gentler reaches of rivers that nonetheless (4)_____ turbulent flow and white water in response to a local (5)_____ in channel gradient are rapids.

Question 98 :

Select the most appropriate option to fill in blank 5.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. intensification
2. proliferation
3. spread
4. growth

**Solution :**

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

The given blank is talking about a part of a river where the water flows very fast.

Let's see the meanings of the given words:

- **Intensification** - the fact of becoming greater, more serious, or more extreme, or of making something do this.
- **Proliferation** - a rapid increase in the number or of something.
- **Spread** - to affect a larger area or a bigger group of people.
- **Growth** - the process of growing and developing.

After going through the meanings of the words, we can easily find that the word '**intensification**' is the most appropriate word for the given blank.

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

Question 99 :

A person borrowed a sum of Rs 30800 at 10%p.a. for 3 years , interest compounded annually .At the end of two years, he paid a sum of Rs13268. At the end of 3rd year, he paid Rs x to clear of the debt. What is the value of x?

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. 26400
2. 26510
3. 26200
4. 26620

Solution :

The correct answer is **option 1** i.e. **26400**

$$A = P(1 + r/100)^t$$

$$\text{After 2 years amount will be} = 30800 \times 11/10 \times 11/10 = 37268$$

$$\text{He paid} = 13268$$

$$\text{sum now} = 37268 - 13268 = 24000$$

$$\text{Amount after one year} = 24000 \times 11/10 = 26400$$

Question 100 :



If $9(a^2 + b^2) + c^2 + 20 = 12(a + 2b)$, then the value of $(\sqrt{6a+9b+2c})$ is:

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. 4

2. 3

3. 6

4. 2

Solution :

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

$$9(a^2 + b^2) + c^2 + 20 = 12(a + 2b)$$

$$9a^2 + 9b^2 + c^2 + 20 = 12a + 24b$$

$$9a^2 - 12a + 9b^2 - 24b + c^2 + 20 = 0$$

$$9a^2 - 12a + 4 + 9b^2 - 24b + 16 + c^2 = 0$$

$$(3a - 2)^2 + (3b - 4)^2 + c^2 = 0$$

$$(3a - 2) = 0$$

$$(3b - 4) = 0$$

$$c = 0$$

$$a = 2/3$$

$$b = 4/3$$

putting the value then we get,

$$(6 \times 2/3 + 9 \times 4/3)^{1/2} = 4$$

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-23 in the Evening exam is as follows:

1. 100 questions were moderate.



The safe score is 140 marks.

- 25 questions were asked from English Language, 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness, 14 questions were asked from Quantitative Aptitude and 11 questions were asked from Hindi
- 47 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

English Language

1. Reading Comprehension - 24
2. One Word Substitution - 1

Logical Reasoning

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

General Awareness

1. GK Misc - 23
2. Law & Constitution - 1
3. Art And Culture - 1

Quantitative Aptitude

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

Hindi

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

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