

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 2019-06-13 in the Morning exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :

If $a : b = 5 : 7$, then $(5a - 3b) : (4a - 2b)$ is equal to:

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 3 : 2
2. 4 : 3
3. 5 : 4
4. 2 : 3

Solution :

The correct answer is **Option 4** i.e. **2 : 3**

| Understanding | Application |
|--|--|
| $a : b = 5 : 7$ Let, $a = 5x$ and $b = 7x$ | $(5a - 3b) : (4a - 2b)$ $= (5 \times 5x - 3 \times 7x) : (4 \times 5x - 2 \times 7x)$ $= (25 - 21)x : (20 - 14)x$ $= 4 : 6 = 2 : 3$ |

Question 2 :

In ABC, P is a point on BC such that $BP : PC = 4 : 5$ and Q is the midpoint of BP, then $ar(ABQ) : ar(ABC)$ is equal to?

Difficulty : Moderate

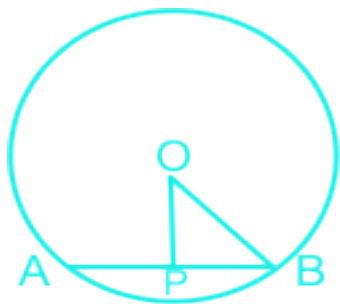
Average Time : 57 Seconds

Options :

1. 1 : 9
2. 2 : 5
3. 1 : 3
4. 2 : 9

Solution :

The correct answer is **option 4** i.e. **2 : 9**



| Concept | Understanding | Application |
|--|--|---|
| <p>If heights of 2 triangles are same:</p> <p>Ratio of areas of triangles = Ratio of Base of triangles</p> | <p>Given:</p> <p>$BP : PC = 4 : 5$</p> <p>Hence, $BC = 4x + 5x = 9x$</p> | <p>Since Q is the midpoint of BP:</p> <p>$BQ = BP/2 = 4x/2 = 2x$</p> <p>Here, the heights of triangles ABQ and ABC are same:</p> <p>$ar ABQ : ar ABC = BQ : BC$</p> <p>$ar ABQ : ar ABC = 2 : 9$</p> |

Question 3 :

Two articles are sold for Rs. 4,752 each. On one, the seller gains 32% and on the other he loses 28%. What is his overall gain or loss percentage, correct to one decimal place?

Difficulty : Moderate

Average Time : 117 Seconds

Options :

1. 6.8% loss
2. 7.3% gain
3. 7.3% loss
4. 6.8% gain

Solution :

Correct Answer is **option 1** i.e. **6.8% loss**

| Concept | Understanding | Application | Fair calculation |
|----------------|--|--|---|
| Loss = CP – SP | <p>Given:</p> <p>SP of each article = Rs. 4752</p> <p>Total SP of both article = $4752 \times 2 = 9504$</p> | <p>CP of first article = $4752 \times [100/132] = 3600$</p> <p>CP of second article = $4752 \times [100/72] = 6600$</p> <p>Hence,</p> <p>Total CP of both article = $3600 + 6600 = 10200$</p> <p>Hence,</p> <p>Loss percentage = $[(10200 - 9504)/10200] \times 100 = 6.8\%$ (Approx.)</p> | <p>$4752 \times [100/132]$</p> <p>$= 36 \times 100 = 3600$</p> <p>$4752 \times [100/72]$</p> <p>$= 66 \times 100 = 6600$</p> <p>$[(10200 - 9504)/10200] \times 100 = [696/10200] \times 100$</p> <p>$= 6.823$</p> |

Question 4 :

If $\sin 3 = \cos(20^\circ -)$, then is equal to?

Difficulty : Moderate

Average Time : 196 Seconds

Options :

1. 30
2. 25
3. 35

28

Solution :

Correct Answer is **option 3** i.e. **35**

| Concept | Understanding | Application |
|----------------------|---------------------------------------|--|
| $\sin(90 -) = \cos$ | Given $\sin 3 = \cos(20^\circ -)$ | $\sin 3 = \cos(20^\circ -)$ Use the formula: $\sin 3 = \sin[90^\circ - (20^\circ -)]$ $3 = 90^\circ - 20^\circ +$ $2 = 70^\circ$ $= 35^\circ$ |

Question 5 :

What is the economic impact of increase in productivity of firms?

Difficulty : Moderate

Average Time : 174 Seconds

Options :

1. The impact may vary among nations and their economic conditions
2. Increase in Gross Domestic Product
3. No change in Gross Domestic Product
4. Decrease in Gross Domestic Product

Solution :

The correct answer is option 2, i.e. Increase in Gross Domestic Product.

| | |
|---|---|
| What is the economic impact of increase in productivity of firms? | Increase in Gross Domestic Product |
|---|---|

Gross Domestic Product:-

- Gross Domestic Product (GDP) is the total monetary or market value of all the finished goods and services produced within a country's borders in a specific time period.
- As a broad measure of overall domestic production, it functions as a comprehensive scorecard of the country's economic health.

Question 6 :

Select the correctly spelt word.

Difficulty : Moderate

Average Time : 112 Seconds

Options :

1. centiment
2. serenity
3. taelant
4. claever

Solution :

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

| Word meaning | Other words |
|--------------|-------------|
|--------------|-------------|

| | |
|---|--|
| <p>The only word that is correctly spelt here is Serenity which means the state of being calm, peaceful, and untroubled.</p> <p>Ex: Her advice was often comfort and solace in itself and her ways were the ways of goodness and serenity.</p> | <p>The other words should be spelt as:</p> <p>Centiment - Sentiment</p> <p>Taelant - Talent</p> <p>Claever – Cleaver</p> <p>Therefore, option 2 is correct.</p> |
|---|--|

Question 7 :

Select the correct active form of the given sentence. He was given a book for his birthday by her.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. She give a book to him for his birthday.
2. She has gave him a book for his birthday
3. She will be giving him a book for his birthday.
4. She gave him a book for his birthday.

Solution :

The correct answer is **option 4** i.e. **She gave him a book for his birthday.**

| | |
|------------------------------|--------------------|
| Concept/Grammar rules | Application |
|------------------------------|--------------------|

The sentence is in passive form of past indefinite tense. The structures for active/passive voices are:

Passive Voice: Object to subject + was/were + past participle form of verb + by + subject to object.

Active Voice: Subject + second form of verb + s/es + object.

Hence, the correct active form will be:

'She gave him a book for his birthday'.

Going by the above rules, the **correct option is 4.**

When there are double objects, choose any object to subject, (it is better to use person object as a subject) + auxiliary verb (according to tense and person) + put another object + by + subject to object.

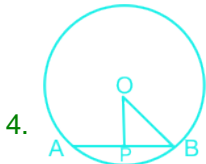
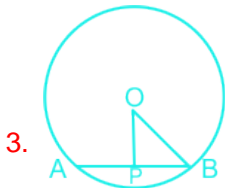
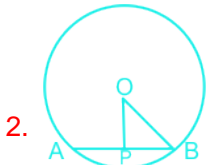
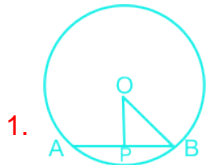
Question 8 :

Select the figure that will come next in the following figure series.

Difficulty : Moderate

Average Time : 89 Seconds

Options :



Solution :

The correct answer is **option 4**

| Understanding | Application |
|--|---|
| <p>Pattern is as follows:</p> <p>Arrow is rotated in clockwise direction in every step and position of arrow is changed by one step in anticlockwise direction and arrow is colored in alternate step.</p> <p>The triangle is moved ahead by one step in clockwise direction and filled with colors in alternate step.</p> | <p>Hence, figure in option 4 is the correct figure.</p> |

Question 9 :

Surendranath Banerjee and Ananda Mohan Bose founded _____ in Bengal in 1876.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Tathaghat Association
2. Indian Association
3. Oriental Association
4. Bengal Association

Solution :

The correct answer is **option 2** i.e. **Indian Association**.

| | |
|--|--------------------|
| Surendranath Banerjee and Ananda Mohan Bose founded _____ in Bengal in 1876. | Indian Association |
|--|--------------------|

What is Indian association?

- Indian Association, nationalist political group in India that favoured local self-government and served as a preparatory agent for the more truly national Indian National Congress.
- The association was founded in Bengal in 1876 by Surendranath Banerjea and Ananda Mohan Bose.
- After the Indian National Congress was founded in 1885, the association gradually lost ground; it was not heard of after 1888.

Question 10 :

Which one of the following is the largest recognised constellation?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Crux
2. Antila
3. Hydra

Dorado

Solution :

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

| | |
|--|--|
| The largest recognised constellation is ____ | Hydra |
| What is Hydra? | <ul style="list-style-type: none">• Hydra is the largest of the 88 modern constellations, measuring 1303 square degrees, and also the longest at over 100 degrees.• Its southern end abuts Libra and Centaurus and its northern end borders Cancer.• It was included among the 48 constellations listed by the 2nd century astronomer Ptolemy. |

Question 11 :

The process of change from liquid to gas is called _____.

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. Precipitation
2. Condesation
3. Decantation
4. Vaporisation

Solution :

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

| | |
|---|--------------|
| The process of change from liquid to gas is called _____. | Vaporisation |
|---|--------------|

- Vaporization of an element or compound is a phase transition from the liquid phase to vapor.
- There are two types of vaporization: evaporation and boiling. Evaporation is a surface phenomenon, whereas boiling is a bulk phenomenon.

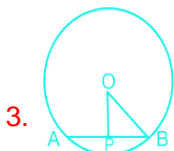
Question 12 :

Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Difficulty : Moderate

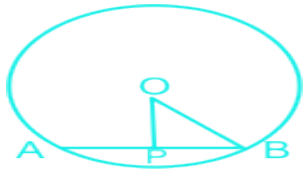
Average Time : 74 Seconds

Options :



Solution :

Correct Answer is **option 4**



| Concept | Understanding |
|---------------------------|---|
| Mirror Image: Observation | After carefully observing the options, it is very clear that the option 4 is the correct mirror image of question figure. |

Question 13 :

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

Difficulty : Moderate

Average Time : 119 Seconds

Options :

1. UWYAC
2. PRTWY
3. CEGIK
4. MOQSU

Solution :

Correct Answer is option 2 i.e. PRTWY

| | |
|---------|-------------|
| Concept | Application |
|---------|-------------|

There is a gap of 2 alphabets between adjacent alphabets.

$$U + 2 = W + 2 = Y$$
$$+ 2 = A + 2 = C$$

$$P + 2 = R + 2 = T$$
$$+ 2 \quad W + 1 = Y$$

$$C + 2 = E + 2 = G$$
$$+ 2 = I + 2 = K$$

$$M + 2 = O + 2 = Q$$
$$+ 2 = S + 2 = U$$

Hence, PRTWY is the odd one.

Question 14 :

Select the most appropriate meaning of the underlined idiom in the given sentence. We now have an ex-Minister in the running from our constituency for the post of Member of Parliament.

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

1. Jogging everyday
2. Teaching yoga
3. Giving speeches
4. Contesting the seat

Solution :

The correct answer is **option 4 i.e. Contesting the seat.**

The meaning of the given idiom is-

In the running- having a chance of being successful, esp. in a competition or election.

Ex: She's still in the running for Treasurer.

As the meaning of the given idiom is the same as the chosen option it will be the correct answer.

Question 15 :

Select the most appropriate SYNONYM of the given word. OBSTACLE

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

Options :

1. accessory
2. clearance
3. benefit
4. barrier

Solution :

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

| Word meaning | Usage | Synonym | Antonym |
|---|--|--|--------------------------------|
| The word obstacle is defined as something that blocks one's way forward. Barrier means a fence or other obstacle that prevents movement or access. | For E.g. He made a brief gesture, like one wiping an obstacle out of the way. | bump difficulty disincentive handicap | advantage aid assistance |

| | | | |
|---|--|--|--|
| <p>Meaning of other words:-</p> <p>Accessory : a thing that can be added to something else in order to make it more useful, versatile, or attractive.</p> <p>Clearance: the action or process of removing or getting rid of something or of something's dispersing.</p> <p>Benefit: receive an advantage; profit; gain.</p> | <p>Out of the given options, this is closest in meaning to the word barrier. Hence, the correct answer is option 4.</p> | | |
|---|--|--|--|

Question 16 :

In the sentence identify the segment which contains the grammatical error. The cost of fruits and vegetables have risen abnormally this month.

Difficulty : Moderate

Average Time : 97 Seconds

Options :

this month

2. have risen

3. abnormally

4. The cost of fruits and vegetables

Solution :

The correct answer is **option 2 i.e. have risen.**

| Concept/Grammar rules | Usage |
|---|---|
| Here, the subject ' Cost ' is singular in meaning and must be followed by ' singular verb ' only. | Hence, ' have ' must be replaced with ' has ' Hence, option 2 is correct. |

Question 17 :

Select the most appropriate option to fill in the blank. Charlie Chaplin's rise to fame paralleled the _____ growth of Hollywood movies in the first decades of the century.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. sluggish

2. progressing

3. delayed

4. explosive

Solution :

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

| Concept/Grammar rules | Meaning of other words |
|-----------------------|------------------------|
|-----------------------|------------------------|

The word in the blank should mean something like **sudden** and **exponential**.

The word **explosive** (when used as an **adjective**) is appropriate.

Ex: It is decomposed by water with explosive violence.

Sluggish - moving slowly.

Progressing - moving forward.

Delayed - late or slow.

Question 18 :

Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Comical
2. Hilarious
3. Humorous
4. Gagster

Solution :

Correct Answer is option 4 i.e. Gagster

| | |
|----------|--|
| Concept | Understanding |
| Odd word | Comical, Hilarious, Humorous all means Something is funny. But meaning of Gagster is Someone who write gags. Hence, Gagster is the odd among them. |

Question 19 :

The current age of Savan is four times the age of Akshan. 10 years from now, Savan's age will be twice the age of Akshan. What is Savan's current age?

Difficulty : Moderate

Average Time : 101 Seconds

Options :

1. 30
2. 10

20

4. 5

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

| Understanding | Application |
|---|---|
| Suppose Current age of Akshan = A Current age of Savan = 4A Age of Akshan after 10 years = A + 10 Age of Savan after 10 years = 4A + 10 | As given in question, $4A + 10 = 2(A + 10)$ $4A + 10 = 2A + 20$ P = 5 and $4A = 20$ Hence age of Savan is 20 years . |

Question 20 :

In a code language, ROUTINE is written as 181521209145. How will VEHICLE be written as in that language?

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

1. 225793125
2. 215893125
3. 225893115
4. 225893125

Solution :Correct Answer is **option 4** i.e. **225893125**

| Concept | Understanding | Application |
|---------|---------------|-------------|
|---------|---------------|-------------|

| | | |
|--|---|---|
| <p>Each alphabet is coded as its respective numerical position from 1 to 26.</p> | <p>R = 18, O = 15, U = 21, T = 20, I = 9, N = 14, E = 5</p> | <p>Similarly, V = 22, E = 5, H = 8, I = 9, C = 3, L = 12, E = 5 Hence, answer is VEHICLE = 225893125.</p> |
|--|---|---|

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. M. Ananda Kumar, scientist, of the Nature Conservation Foundation says that elephants are "engineers of the eco-system. He explains: they are seed (1) _____. Forests without (2) _____ have been observed to not have young (3) _____ at all. This is because (4) _____ species disperse seeds only through elephants." The animals are phenomenal at (5) _____ themselves to new ecological conditions and negotiating a problem.

Question 21 :

Select the most appropriate option to fill in blank No.(2)

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. engineers
2. conservation
3. seeds
4. elephants

Solution :

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

| Concept/Grammar rules | Application |
|--|--|
| The sentence is focusing on elephants only as discussed in previous sentences. | Hence, 'Elephant' will be the appropriate answer here. |

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. M. Ananda Kumar, scientist, of the Nature Conservation Foundation says that elephants are "engineers of the eco-system. He explains: they are seed (1) _____. Forests without (2) _____ have been observed to not have young (3) _____ at all. This is because (4) _____ species disperse seeds only through elephants." The animals are phenomenal at (5) _____ themselves to new ecological conditions and negotiating a problem.

Question 22 :

Select the most appropriate option to fill in blank No.(3)

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. saplings
2. species
3. elephants
4. seeds

Solution :

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

| Concept/Grammar rules | Application |
|--|--|
| In the previous sentences, it is written that elephants disperse seeds and help in the growth of the eco-system. | Sapling: a young tree, especially one with a slender trunk. After reading all the words we conclude that saplings which mean young trees , is the apt. option. Hence, option 1 is correct. |

Question 23 :

Select the most appropriate meaning of the underlined idiom in the given sentence. The idea of making a children's park has been nipped in the bud by the local council.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Dropped at an early stage



Encouraged strongly

3. Will be considered at a later time

4. Changed completely

Solution :

The correct answer is **option 1** i.e. **Dropped at an early stage**.

- The meaning of the given idiom i.e., **nip in the bud** is 'to halt something at an early stage'.
- **Ex:** By arresting all the leaders, they nipped the rebellion in the bud.

As the meaning of the given idiom is the same as the chosen option it will be the correct answer.

Question 24 :

Which of the following is called the 'Grand Canyon of India'?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Laitlum Canyon
2. Gangani Grand Canyon
3. Great Canyon of Gandikota
4. Chambal River Canyon

Solution :

The correct answer is **option 3** i.e. **Great Canyon of Gandikota**.

| | |
|--------------------------------|----------------------------------|
| The 'Grand Canyon of India' is | Great Canyon of Gandikota |
|--------------------------------|----------------------------------|

- The Gorge of Gandikota is situated on the Pennar River in Andhra Pradesh.
- The Grand Canyon is located in Arizona, USA.

A gorge is a valley formed by a source of water flowing between tall slabs of steep rocks. The Pennar river must have cut rocks in Gandikota over centuries to have formed the Canyon which we see today.

Question 25 :

What would happen to the demand curve when there is an increase in the price of substitute products?

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

1. **Outward shift**
2. **Initially inward and then after a period outward shift**
3. **Inward shift**
4. **Remain constant in Inward shift**

Solution :

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

What would happen to the demand curve when there is an increase in the price of substitute products?

Outward shift

What is an outward shift in the demand curve?

An outward shift in demand will occur if income increases, in the case of a normal good; however, for an inferior good, the demand curve will shift inward noting that the consumer only purchases the good as a result of an income constraint on the purchase of a preferred good.

Question 26 :

'Rehuke khim' or 'cowrie shawl' are traditional textiles of _____.

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

**Options :**

1. Nagaland
2. Jharkhand
3. Assam
4. Odisha

Solution :

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

| | |
|--|---|
| 'Rehuke khim' or 'cowrie shawl' are traditional textiles of _____. | Nagaland |
| What is 'Rehuke khim' or 'cowrie shawl'? | Rehuke Khim or cowrie shawl is the most important cloth meant for the rich man of the Yimchunger tribe in Nagaland. In Naga society, cowrie is a symbol of marital status. |

Question 27 :

Who is the author of the book 'The Bird of Time: Songs of Life, Death and the Spring'?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Vikram Seth
2. Kamala Suraiyya
3. Rabindranath Tagore



Sarojini Naidu

Solution :

The correct answer is **option 4** i.e. **Sarojini Naidu**.

Sarojini Naidu:

1. She was an Indian political activist and poetess.
2. She was an important figure in India's struggle for independence from colonial rule. Naidu's work as a poet earned her the sobriquet Nightingale of India.
3. She was the first female to become the governor of an Indian state (Uttar Pradesh).
4. Her other works include The Golden Threshold, The Broken Wing, The Sceptred Flute, and The Indian Weavers.

Question 28 :

Three different positions of the same dice are shown. Which number will be on the face opposite to the one having 4?

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

1. 3
2. 2
3. 6
4. 1

Solution :

The correct answer is **option 3** i.e. **6**

| | |
|---------------|-------------|
| Understanding | Application |
|---------------|-------------|

| | |
|--|---|
| <p>In this type of question, we pick the common side and go in a clockwise direction in both positions.</p> <p>In cases like this where we have three positions of the dice, we choose those two positions where there is only one common side.</p> <p>2nd position: 5 2 6</p> <p>3rd position: 5 1 4</p> | <p>We can see that the side opposite '4' is '6'</p> |
|--|---|

Question 29 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement'. Meera has a friend who parents live in Dubai.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. No improvement.
2. have a friend whom parents live
3. has a friend which parents live
4. has a friend whose parents live

Solution :

The correct answer is **option 4 i.e. has a friend whose parents live.**

| | |
|------------------------------|--------------------|
| Concept/Grammar rules | Application |
|------------------------------|--------------------|

1. **'Who'** is a subject pronoun like **'he'**, **'she'** and **'they'**. We use **'who'** to ask which person did an action or which person is in a certain state.

2. **'Whom'** is an object pronoun like **'him'**, **'her'** and **'us'**. We use **'whom'** to ask which person received an action.

3. **'Whose'** is a possessive pronoun like **'his'**, and **'our'**. We use **'whose'** to find out which person something belongs to.

Ex: Whose turn is it to move?

In the above given sentence, **'whose'** is the correct possessive pronoun to be used here. As here **'Parents of Meera's friend'** are referred.

No other option is apt. according to the question.

Question 30 :

Arrange the following words in a logical and meaningful order. 1. Accident 2. Ambulance 3. Rash Driving 4. Injury 5. Hospital 6. Treatment

Difficulty : Moderate

Average Time : 87 Seconds

Options :

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

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

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

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

Solution :

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

| Concept | Application |
|--|---|
| Sequence followed at the time of accident is being talked about. | The sequence is as follows: Rash driving – Accident – Injury – Ambulance – Hospital – Treatment |

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. M. Ananda Kumar, scientist, of the Nature Conservation Foundation says that

elephants are "engineers of the eco-system. He explains: they are seed (1) _____. Forests without (2) _____ have been observed to not have young (3) _____ at all. This is because (4) _____ species disperse seeds only through elephants." The animals are phenomenal at (5) _____ themselves to new ecological conditions and negotiating a problem.

Question 31 :

Select the most appropriate option to fill in blank No.(5)

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. structuring
2. expanding
3. adapting
4. explaining

Solution :

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

| Concept/Grammar rules | Application |
|--|---|
| From the last line of the passage it is clear that the blank requires a verb that signifies 'the animals can adjust themselves to ecological condition' . | Adapting: become adjusted to new conditions. The word adapting is apt. word here. Hence, option 3 is correct. |

Question 32 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. Its value is linked to what it is being used for. B. Such questions often baffle you. C. How emotional should one get about money and its value? D. Money on its own has no value, until you have some use for it.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. DBAC
2. ACDB

CABD

4. CBDA

Solution :

The correct answer is **option 4** i.e. 'CBDA'.

| Concept/Grammar rules | Application |
|---|--|
| <p>We can solve it using the elimination method.</p> <p>Sentence A cannot be the opening sentence as it is starting with 'its'.</p> <p>Sentence B indicates that there must be a questioning sentence before it, so it cannot also be the opening sentence.</p> <p>Sentence C can be the opening sentence as it displays a question.</p> <p>Therefore, Sentence B will follow it.</p> <p>Sentence D cannot be the first sentence, as if it will be the opening sentence then it will be followed by sentence B (see option 1), which is not making any sense.</p> | <p>Sentence D will be the third sentence as it is the answer to the question in sentence B.</p> <p>The last sentence will be sentence A. As the pronoun 'it' is used it refers to the 'Money' in the previous sentence.</p> <p>Hence, option 4 is correct.</p> |

Question 33 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. Only natural dyes are used in Kalamkari and it involves several steps. B. There are two distinctive styles of Kalamkari in India. C. They are the Sri Kalahasti style and the Machlipatnam style. D. Kalamkari is a type of hand-painted or block-printed cotton textile, produced in the Indian states of Andhra Pradesh and Telangana.

Difficulty : Moderate

Average Time : 101 Seconds

Options :

1. DABC
2. ACBD
3. DCBA
4. CBDA

Solution :

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

| Concept/Grammar rules | Application |
|---|---|
| <p>The first sentence always introduces a topic and is independent in its meaning.</p> <p>Sentence D introduces the topic i.e. 'Kalamkari' and hence will be 1st sentence.</p> | <p>BC forms a mandatory pair as sentence C tells about 2 styles of "kalamkari" which is mentioned in sentence B only.</p> <p>The last sentence will be sentence A as it further tells about the steps in Kalamkari.</p> <p>Hence, DABC is the correct sequence here as it has D as the first sentence and the mandatory pair BC.</p> |

Question 34 :

Select the correctly spelt word

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. fortieth
2. fourthieth
3. fortyeth
4. fortyth

Solution :

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

| Word meaning | Application |
|---|--|
| <p>Fortieth: constituting number forty in a sequence; 40th.</p> <p>Ex: She spent her fortieth birthday incommunicado, in Scotland.</p> | <p>The correct spelling of the word is fortieth.</p> <p>Hence, option 1 is correct.</p> |

Question 35 :

What is the other name for 'Orion' Constellation?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Piper

Hunter

3. Fighter

4. Boxer

Solution :

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

| | |
|---|---|
| The other name for 'Orion' Constellation is | Hunter |
| What is 'Orion' constellation? | <ul style="list-style-type: none">• Orion, in astronomy, major constellation lying at about 5 hours 30 minutes right ascension and 0° declination, named for the Greek mythological hunter.• Orion is one of the most conspicuous constellations and contains many bright stars. |

Question 36 :

Which number will replace the question mark (?) in the following series? 116, 128, 146, 170, 200, ?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 264

2. 232

3. 236

4. 260

Solution :

The correct answer is **option 3** i.e. **236**.

| Understanding | Application |
|--|---|
| Difference between consecutive terms is multiples of 6 starting from 12. $116 + 12 = 128$ $128 + 18 = 146$ $146 + 24 = 170$ $170 + 30 = 200$ | Similarly, $200 + 36 = 236$ Hence, the correct answer is 236 . |

Question 37 :

Select the option that is related to the third number in the same way as the second number is related to the first number. $1 : 2 :: 5 : ?$

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 128
2. 129
3. 130
4. 120

Solution :

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

| Understanding | Application |
|---|-------------------------------------|
| $x : (x^3 + 1)$ As, $1 : (1^3 + 1)$ | Similarly, $5 : (5^3 + 5) = 130$ |

Question 38 :

Three of the following four number-pairs are alike in a certain way and one is different. Pick the number-pair that is

different from the rest.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 4 : 15
2. 7 : 46
3. 9 : 80
4. 6 : 35

Solution :

Correct Answer is **option 2** i.e. **7 : 46**

| Concept | Understanding | Application |
|-----------------------------|--|---|
| Pattern: $X : (X^2 - 1)$ | 4 : 15 ($4^2 - 1$) 7 : 46 ($7^2 - 3$) 9 : 80 ($9^2 - 1$) 6 : 35 ($6^2 - 1$) | 7 : 46 does not follow the pattern. Hence, odd one. |

Question 39 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement'. Applications are to be sent to the Principal before 30 May.

Difficulty : Moderate

Average Time : 130 Seconds

Options :

1. No improvement
2. will be send to
3. are sending to
4. were being send to

Solution :

The correct answer is **option 1** i.e. 'No improvement'.

| Concept/Grammar rules | Application |
|---|--|
| <p>Here, the sentence indicates that it is a type of instruction or something that has to be done.</p> <p>Ex. The books are to be bought for the study.</p> | <p>Hence, the given statement is in correct form and needs 'No improvement'.</p> |

Question 40 :

Select the missing number from the given options.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 277
2. 361
3. 625
4. 281

Solution :

The correct answer is **option 1** i.e. **277**

| Understanding | Application |
|--|---|
| <p>Number at 3rd row = Sum of squares of numbers at 1st and 2nd rows</p> <p>1st row: $7^2 + 8^2 = 49 + 64 = 113$</p> <p>2nd row: $11^2 + 12^2 = 121 + 144 = 265$</p> | <p>Similarly,</p> <p>$14^2 + 9^2 = 196 + 81 = 277$</p> |

Question 41 :

Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Resistance : Ohm

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Time : Clock
2. Length : Metre
3. Temperature : Thermometer
4. Pressure : Barometer

Solution :

Correct Answer is **option 2** i.e. **Length :Metre**

| Concept | Understanding | Application |
|-----------------|-------------------------------|--|
| Quantity : Unit | Ohm is the unit of Resistance | Similarly, Metre is the unit of Length. |

Question 42 :

Select the word which means the same as the group of words given. That which can be drawn into a thin wire.

Difficulty : Moderate**Average Time : 116 Seconds****Options :**

1. flexible
2. ductile
3. brittle
4. smooth

Solution :

The correct answer is **option 2**, i.e. **ductile**.

| Word meaning | Meaning of the other word |
|--------------|---------------------------|
|--------------|---------------------------|

| | |
|---|--|
| <p>Ductile - able to be drawn into a thin wire.</p> <p>Ex: It is a silver-white ductile metal which melts at 8000.</p> | <p>Flexible - able to be easily bent without breaking.</p> <p>Brittle - delicate and easily broken.</p> <p>Smooth - having an even, regular surface.</p> <p>Here, Ductile is apt. option to be used.</p> <p>Hence, option 2 is correct.</p> |
|---|--|

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. M. Ananda Kumar, scientist, of the Nature Conservation Foundation says that elephants are "engineers of the eco-system. He explains: they are seed (1) _____. Forests without (2) _____ have been observed to not have young (3) _____ at all. This is because (4) _____ species disperse seeds only through elephants." The animals are phenomenal at (5) _____ themselves to new ecological conditions and negotiating a problem.

Question 43 :

Select the most appropriate option to fill in blank No.(1)

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. eaters
2. collectors
3. makers
4. dispersers

Solution :

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

| | |
|------------------------------|--------------------|
| Concept/Grammar rules | Application |
|------------------------------|--------------------|

| | |
|--|---|
| <p>The word 'disperse' means 'to spread over a wide area'.</p> <p>Ex: "storms can disperse seeds via high altitudes".</p> | <p>The sentence says that Elephant are the engineers of the eco-system that means they actively participate in something.</p> <p>The word 'disperse' is the correct to be used here.</p> |
| <p>Meaning of other words:</p> <p>Eaters: a person or animal that consumes food in a specified way or of a specified kind.</p> <p>Collectors: a person who collects things of a specified type, professionally or as a hobby.</p> <p>Makers: a person or thing that makes or produces something.</p> | |

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. M. Ananda Kumar, scientist, of the Nature Conservation Foundation says that elephants are "engineers of the eco-system. He explains: they are seed (1) _____. Forests without (2) _____ have been observed to not have young (3) _____ at all. This is because (4) _____ species disperse seeds only through elephants." The animals are phenomenal at (5) _____ themselves to new ecological conditions and negotiating a problem.

Question 44 :

Select the most appropriate option to fill in blank No.(4)

Difficulty : Moderate

Average Time : 98 Seconds

Options :

1. all
2. certain
3. no
4. every

Solution :

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

| | |
|-----------------------|-------------|
| Concept/Grammar rules | Application |
|-----------------------|-------------|

Certain means some but not all.

Ex: I'm certain he doesn't realize it, but he does put himself first.

From the context of the sentence, only possible option is '**certain**'.

Hence, option 2 is correct.

Question 45 :

Select the most appropriate SYNONYM of the given word. ENDEAVOUR

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Attempt
2. Triumph
3. Consequence
4. Accomplishment

Solution :

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

The meaning of the given words is:

- **Endeavour** means an attempt to achieve a goal.
- **Attempt**: make an effort to achieve or complete (something difficult).
- **Triumph**: a great victory or achievement.
- **Consequence**: a result or effect, typically one that is unwelcome or unpleasant.
- **Accomplishment**: something that has been achieved successfully.

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

Question 46 :

'A + B' means 'A is the daughter of B'. 'A - B' means 'A is the brother of B'. 'A × B' means 'A is the mother of B'. 'A ÷ B' means 'A is the son of B'. If $U + C \times Q - P \div R \div S - T$, then how is S related to U?

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Maternal grandfather
2. Paternal grandmother

Mother

4. Paternal grandfather

Solution :

The correct answer is **option 4** i.e. **Paternal grandfather**

| Understanding | Application |
|---|---|
| <p>If $U + C \times Q - P \div R \div S - T$ is decoded it means:</p> <p>U is daughter of C C is mother of Q Q is brother of P P is son of R R is son of S S is brother of T</p> | <p>As per the given data, following family tree can be drawn:</p> <pre> graph TD S --- T S --- R C --- R C --- U R --- Q Q --- P </pre> <p>Hence, S is the paternal grandfather of U.</p> |

Question 47 :

Select the correct passive form of the given sentence. The artist played the violin.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. The violin had been played by the artist.
2. The violin is being played by the artist
3. The violin will be played by the artist.
4. The violin was played by the artist

Solution :

The correct answer is **option 4** i.e. **The violin was played by the artist.**

| Concept/Grammar rules | Application |
|---|--|
| <p>The sentence is in active form of past indefinite tense. The structures for active/passive voices are:</p> <p>Active Voice: Subject + second form of verb + s/es + object.</p> <p>Passive Voice: Object to subject + was/were + past participle form of verb + by + subject to object.</p> | <p>The following rules should be considered while changing active form to passive voice:</p> <ul style="list-style-type: none"> • The places of subject and object will be interchanged in the sentence. • Only 3rd form of the verb or Past Participle will be used as a main verb in the Passive Voice. <p>An active sentence in the simple past tense is converted into passive with the following pattern:</p> <p>Object + was/were + past participle of verb + by + Subject</p> <p>Hence, correct passive form will be:</p> <p>“The violin was played by the artist” is the correct answer.</p> |

Question 48 :

Select the word which means the same as the group of words given. Too unimportant to consider.

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. nothing
2. diminutive
3. trivial
4. noticeable

Solution :

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

| Word meaning | Meaning of the other words |
|--------------|----------------------------|
| | |

| | |
|--|--|
| <p>Trivial means too unimportant to consider.</p> <p>Ex: And at least it was not a trivial view, nor an ill meant one.</p> <p>Here Trivial is apt. option to be used here.</p> <p>Hence, option 3 is correct.</p> | <p>Diminutive means extremely small while.</p> <p>Noticeable means easily seen or noticed.</p> |
|--|--|

Question 49 :

Select the most appropriate ANTONYM of the given word. TYRANT

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. benefactor
2. champion
3. patron
4. rival

Solution :

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

| Word meaning | Usage | Synonym | Antonym |
|---|---|---|--|
| <p>Tyrant means a cruel and oppressive ruler.</p> <p>Benefactor means someone who helps another person or cause.</p> <p>Hence, these 2 are antonyms.</p> | <p>For E.g. The man is the head of the family, but he must not be a tyrant.</p> | <p>autocrat</p> <p>bully</p> <p>despot</p> <p>dictator</p> <p>oppressor</p> | <p>Democrat</p> <p>benefactor</p> <p>backer</p> <p>contributor</p> <p>patron</p> <p>philanthropist</p> |

| | | | |
|--|--|--|--|
| <p>Meaning of other words:-</p> <p>Champion - a person who surpasses all rivals.</p> <p>Patron - a person who supports an organization or cause.</p> <p>Rival - a person competing with another.</p> | | | |
|--|--|--|--|

Question 50 :

In the sentence identify the segment which contains the grammatical error. Cows are amongst the gentlest of animals; none shows more passionate tenderness towards their young ones.

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. the gentlest of animals
2. Cows are amongst
3. none shows more passionate tenderness
4. towards their young ones

Solution :

The correct answer is **option 3 i.e. none shows more.**

| Concept/Grammar rules | Application |
|---|--|
| <p>The word 'none' used here is used as a pronoun and in the plural sense and will take plural verb only.</p> <p>A singular subject (she, Bill, car) takes a singular verb (is, goes, shines), whereas a plural subject takes a plural verb.</p> | <p>Example: The list of items is/are on the desk. If you know that list is the subject, then you will choose 'is' for the verb.</p> <p>Hence, 'show' will be used in place of 'shows' here.</p> <p>Hence, option 3 is correct.</p> |

Question 51 :

Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

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

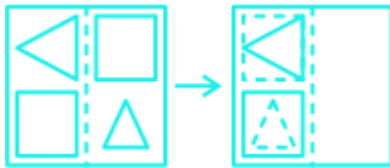


Solution :

The correct answer is **option 4**

Understanding

After folding the given transparent sheet at the dotted line, the second half of the sheet will overlap on the first half of the sheet, as shown below:



Question 52 :

Select the most appropriate option to fill in the blank. It is hard to conceive of a more _____ route than the one that this determined traveler chose to follow.

Difficulty : Moderate

Average Time : 73 Seconds



Options :

1. provoking
2. daunting
3. stimulating
4. dashing

Solution :

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

| Concept/Grammar rules | Meaning of other words |
|---|--|
| <p>Daunting: seeming difficult to deal with in prospect; intimidating.</p> <p>Only daunting makes sense when used to describe a route.</p> <p>Therefore, Daunting is the best apt. option to be used as per the sentence.</p> <p>Hence, option 2 is correct.</p> | <p>Provoking - causing a reaction, esp. a negative one.</p> <p>Stimulating - encouraging or arousing interest.</p> <p>Dashing - attractive and stylish.</p> |

Question 53 :

Which letter-cluster will replace the question mark (?) in the following series? PSV, UXA, ZCF, EHK, ?

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

1. JMP
2. JNP
3. JMO
4. IMP

Solution :

Correct Answer is option 1 i.e. JMP

| | |
|---------------|-------------|
| Understanding | Application |
|---------------|-------------|

| | |
|--|--|
| <p>The alphabets are moved forward by 5 positions.</p> <p>$P + 5 = U + 5 = Z + 5 = E$</p> <p>$S + 5 = X + 5 = C + 5 = H$</p> <p>$V + 5 = A + 5 = F + 5 = K$</p> | <p>Similarly,</p> <p>$E + 5 = J$</p> <p>$H + 5 = M$</p> <p>$K + 5 = P$</p> <p>Hence, JMP is the correct answer.</p> |
|--|--|

Question 54 :

Select the most appropriate ANTONYM of the given word. WEAKNESS

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. disability
2. strength
3. illness
4. bravery

Solution :

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

| Word meaning | Usage | Synonym | Antonym |
|---|--|--|---|
| <p>The words 'weakness' and 'strength' are opposite to each other.</p> <p>Weakness: the state or condition of lacking strength.</p> <p>Strength: the quality or state of being strong, in particular.</p> | <p>For E.g. Making an effort to rise, he seemed surprised at his own weakness.</p> | <p>deficiency</p> <p>failing</p> <p>flaw</p> <p>fragility</p> <p>frailty</p> | <p>enough</p> <p>perfection</p> <p>plenty</p> <p>strength</p> |

Question 55 :

Select the figure in which the given figure is embedded. (Rotation is not allowed)

Difficulty : Moderate

Average Time : 69 Seconds

Options :

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



Solution :

The correct answer is **option 1**

Understanding

The question figure is embedded in option figure 1.



Question 56 :



Which two signs should be interchanged to make the following equation correct? $40 + 10 \div 2 \times 8 - 17 = 17$

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. + and -
2. \div and \times
3. \times and +
4. \div and -

Solution :

Correct Answer is option 1 i.e. + and -

| Concept | Understanding | Application |
|---------|--|--|
| BODMAS | $40 + 10 \div 2 \times 8 - 17 = 17$ is to be true. We need to check with the options. | From option 1, by interchanging signs + and -, we get $40 - 10 \div 2 \times 8 + 17$ $= 40 - 40 + 17 = 17$ $= \text{RHS}$ Hence, Option 1 is correct |

Question 57 :

'Pencil' is related to 'Stationary' in the same way as 'Pilates' is related to '_____'.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Dry fruits
2. Spices

Exercise

4. Pulses

Solution :

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

Understanding

Pencil is a part of Stationary

Similarly, Pilates is a kind of Exercise.

Question 58 :

In a code language, ASTRONOMY is written as SARTPONYM. How will FENUGREEK be written as in that language?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

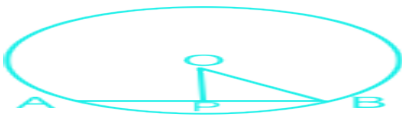
1. UNEFGKEER
2. EFUNFERKE
3. EFUNHKEER
4. EFUNHERKE

Solution :

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

Understanding

Positions of alphabets are interchanged.



Similarly,



Question 59 :

Which letter will replace the question mark (?) in the following series? R, C, T, E, V, ?, X, I

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. W
2. G
3. F
4. Y

Solution :

Correct Answer is option 2 i.e. G

| Understanding | Application |
|--|-------------------------------------|
| <p>There are 2 different alternative series.</p> <p>There is a gap of 2 alphabets between the alternate alphabets.</p> <p>R, C, T, E, V, ?, X, I</p> $R + 2 = T + 2 = V + 2 = X$ $C + 2 = E + 2 = G + 2 = I$ | <p>Hence G is the missing term.</p> |

Question 60 :

Select the missing number from the given options

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 61
2. 36
3. 29
4. 30

**Solution :**

The correct answer is **option 2** i.e. **36**

| Understanding | Application |
|--|--|
| In every column: Number in 1st row = 2 x (Number in 3rd row – Number in 2nd row) 1st column: (26 – 17) = 9, 9 x 2 = 18 2nd column: (27 – 13) = 14, 14 x 2 = 28 | Similarly, 3rd column: $50/2 = 25$ $25 = x - 11$ $x = 25 + 11$ $= 36$ |

Question 61 :

How many triangles are there in the following figure?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 25
2. 26
3. 24
4. 22

Solution :

The correct answer is **option 3** i.e. **24**

Understanding



There are 24 triangles: ABC, BJC, CJG, GJF, BJF, BIF, DIB, DIE, EIF, EFH, HGF, EHG, EHB, BGH, DEF, DBF, DEB, EFB, BFG, BGC, BFC, FGC, BEG, DFC.

Question 62 :

Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements: All fields are farm-houses. Some fields are gardens. Conclusions: I. Some farm-houses are fields. II. Some gardens are fields. III. Some farm-houses are gardens.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

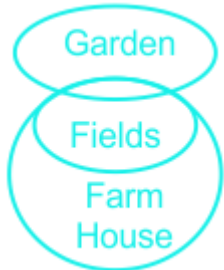
1. All the conclusions, I, II and III follow
2. Only conclusions I and II follow.
3. Only conclusions I and III follow.
4. Either conclusion I or III follows.

Solution :

The correct answer is **option 1** i.e. **All the conclusions I, II and III follow**

Understanding

Following venn diagram can be drawn with the help of given statements:



Conclusions:

I. Some farm-houses are fields **True** (As, All fields are farm houses, so some farm houses are fields is definitely true).

II. Some gardens are fields **True** (Some fields are gardens is given).

III. Some farm-houses are gardens **True** (All fields are farm houses and some fields are gardens, so the part of fields which is farm houses are also gardens).

Hence, **All the conclusions I, II and III follows.**

Question 63 :

In the given Venn diagram, the hexagon represents 'farmers', the circle represents 'beneficiaries' and the square represents 'land-owners'. The numbers given in the diagram represent the number of persons in that particular category. How many farmers are both land-owners and beneficiaries?

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. 52

2. 21

3. 12

55

Solution :

The correct answer is **option 2** i.e. **21**

| Understand | Application |
|---|--|
| <p>Farmers who are both land-owners and beneficiaries will be shown by the common area of all three shapes.</p> | <p>Hence, farmers who are both land-owners and beneficiaries is shown by 21.</p> |

Question 64 :

Which player has the record of scoring the most runs in the history of the ICC World Cup?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Sachin Tendulkar
2. Brian Lara
3. Imran Khan
4. Don Bradman

Solution :

The correct answer is **option 1**, i.e. **Sachin Tendulkar**.

- Organised by the International Cricket Council (ICC), the tournament has taken place every four years since it was first held in Cricket World Cup in England.
- Tendulkar has made more scores over fifty and scored more runs than any other cricketer in World Cup history.
- Australian Glenn McGrath dominates the individual bowling records.

Australians Ricky Ponting is the leading fielder in terms of catches taken.

Question 65 :

The easternmost point of India is _____.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Doulchara
2. Mokokchung
3. Kibithu
4. Wokha

Solution :

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

| | |
|---|----------------|
| The easternmost point of India is _____. | Kibithu |
| Easternmost Point – The tiny town of Kibithu in Arunachal Pradesh is the easternmost point of India. The Lohit River enters India from Kibithu. | |
| Westernmost Point – The westernmost point of India is the small inhabited village of Ghuar Moti, located in the Kutch District of Gujarat. | |

Question 66 :

What is the unit of measure of a magnetic field?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Cobalt
2. Ampere
3. Tesla

Ohm

Solution :

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

| | |
|---|---|
| The unit of measure of a magnetic field is:- _____ | Tesla |
| What is Tesla ? | <ul style="list-style-type: none">• Tesla, unit of magnetic induction or magnetic flux density in the metre–kilogram–second system (SI) of physical units.• One tesla equals one weber per square metre, corresponding to 10^4 gauss.• It is named for Nikola Tesla.• It is used in all work involving strong magnetic fields, while the gauss is more useful with small magnets. |

Question 67 :

In Parliament, who takes the final decision on whether a Bill is a Money Bill or not?

Difficulty : Moderate

Average Time : 130 Seconds

Options :

1. Prime Minister
2. Speaker
3. Vice President
4. Finance Minister

Solution :

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



In Parliament, who takes the final decision on whether a Bill is a Money Bill or not?

Speaker

- The Speaker of the Lok Sabha certifies if a financial bill is a Money Bill or not.
- Money Bills can be introduced only in Lok Sabha
- Money bills passed by the Lok Sabha are sent to the Rajya Sabha. The Rajya Sabha may not amend money bills but can recommend amendments.
- To make sure that Rajya Sabha doesn't amend the bill by adding some non-money matters, the Speaker of the Lok Sabha certifies the bill as a money bill before sending it to the upper house, and the decision of the Speaker is binding on both the Houses.
- A money bill must be returned to the Lok Sabha within 14 days, or the bill is deemed to have passed both houses in the form it was originally passed by the Lok Sabha.

Question 68 :

The Aligarh Movement was started by _____.

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. Dr Maghfoor Ahmad Ajazi
2. Muhammad Ali Jinnah
3. Maulana Manzoor Ahsan
4. Syed Ahmed Khan

Solution :

The correct answer is option 4, i.e. **Syed Ahmed Khan**.

| | |
|--|---|
| The Aligarh Movement was started by _____. | Syed Ahmed Khan |
| Aligarh Movement: | <ul style="list-style-type: none"> • Aligarh Movement was an important Reform Movement of 19th century. • It was started to end the socio-religious evils of the Muslim Society. • Its founder was Sir Sayyed Ahmed Khan who got a lot a lot of success in his mission. • He was a liberal and a great scholar who studied his religion deeply and tried to put an end to false rituals. • He introduced educational reforms to end ignorance. • His movement is known a Aligarh movement, because its main centre was at Aligarh in Uttar Pradesh. |

Question 69 :

The Special Olympics 2019 were held in _____.

Difficulty : Moderate

Average Time : 155 Seconds

Options :

1. Barcelona
2. Abu Dhabi
3. Istanbul
4. Qatar

Solution :

The correct answer is option 2, i.e. **Abu Dhabi**

| | |
|---|------------------|
| The Special Olympics 2019 were held in _____. | Abu Dhabi |
|---|------------------|

| | |
|-------------------------|--|
| Special Olympics 2019:- | <ul style="list-style-type: none"> The 2019 Special Olympics World Summer Games were a Special Olympics multi-sport event for athletes with intellectual disabilities in the tradition of the Special Olympics movement. It was held in Abu Dhabi, United Arab Emirates from March 14–21, 2019. These were special sports held for athletes with intellectual disabilities and was the first Special Olympics to take place in the Middle East. India won 368 medals which included 85 golds, 154 silver and 129 bronze medals. |
| UAE President:- | Khalifa bin Zayed Al Nahyan |
| UAE Capital:- | Abu Dhabi |
| UAE Currency:- | UAE Dirham |

Question 70 :

When was the 'Battle of Kanauj' fought?

Difficulty : Moderate

Average Time : 182 Seconds

Options :

1. 1540
2. 1556
3. 1536
4. 1524

Solution :

The correct answer is **option 1** i.e. **1540**.

| | |
|---|-------------|
| When was the 'Battle of Kanauj' fought? | 1540 |
|---|-------------|



'Battle of Kanauj':-

The Battle of Kanauj was fought between Mughal Emperor Humayun and Sher Shah Suri (Sher Khan) of Sur Empire. The battle took place on 17 May 1540. After the victory of Shershah, Delhi and Agra were occupied by him.

Question 71 :

The phrase 'Bend your back' is used in which sport?

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. Hockey
2. Football
3. Volleyball
4. Cricket

Solution :

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

The phrase 'bend your back' is used in cricket.

- 'Bend your back': This is a term used by a fast bowler to denote the extra effort made by a fast bowler to increase his pace using the conditions of the pitch.
- There are many exercises in cricket like all out, appeal, back foot, bold, brace, cover, bouncer etc.

Question 72 :

Identify the element that is most prolific in the crust of the earth.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Iron
2. Silicon
3. Hydrogen
4. Oxygen

Solution :

The correct answer is **option 4**, i.e. **Oxygen**.

- Oxygen is the most abundant element found in the earth crust. Oxygen accounts for 46.6% of the Earth Crust.
- Aluminium is the most abundant metal in the earth's crust.

Question 73 :

Which of the following Indians was one of the founders of Dartington Hall School in Japan?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Swami Vivekananda
2. Subhash Chandra Bose
3. Rabindranath Tagore
4. Dadabhai Naoroji

Solution :

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

| | |
|---|--|
| One of the founders of Dartington Hall School in Japan ____ | Rabindranath Tagore |
| Dartington Hall School: | Dartington Hall school was one of a handful of experimental, co-educational schools founded before the Second World War. One of the objectives was to build a school in which children would be free from the restrictions and constraints of the educational system which prevailed at the time. |

Question 74 :

Where is the National War Memorial of India located?

Difficulty : Moderate

Average Time : 88 Seconds

Options :

New Delhi

2. Kochi
3. Rajkot
4. Andaman

Solution :

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

- National War Museum is located in Princess Park, near India Gate, New Delhi.
- It has been built as a tribute to the soldiers killed during the Indo-China War in 1962, the Indo-Pak Wars in 1947, 1965, and 1971, the Kargil Conflict in 1999, and the Indian Peace Keeping Force operations in Sri Lanka.
- Prime Minister Narendra Modi inaugurated the National War Memorial in Delhi on 25 February 2019.

Question 75 :

When was the 'Battle of Tukaroi' fought?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 1565
2. 1575
3. 1546
4. 1532

Solution :

The correct answer is **Option 2** i.e **1575**

| | |
|--|------|
| When was the 'Battle of Tukaroi' fought? | 1575 |
|--|------|

| | |
|-----------------------|--|
| 'Battle of Tukaroi':- | <ul style="list-style-type: none">• It was fought between Akbar and the Bengal Sultanate on 3 March 1575 near the village of Tukaroi in the present-day Balasore District of Odisha.• The battle was won by the Mughal forces and it resulted in the Mughal annexation of Bengal. |
|-----------------------|--|

Question 76 :

In the context of the Indian parliament, what is 'Zero Hour'?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Time immediately after Question Hour
2. Time in the last half of the parliamentary proceeding
3. Time before Question Hour
4. Time in the first half of the parliamentary proceeding

Solution :

The correct answer is **option 1** i.e. **Time immediately after Question Hour.**

- The time immediately following the Question Hour has come to be known as "Zero Hour".
- It starts at around 12 noon (hence the name) and members can, with prior notice to the Speaker, raise issues of importance during this time.
- **Question Hour** is the first hour of a sitting session of India's Lok Sabha devoted to questions that Members of Parliament raise about any aspect of administrative activity.
- The concerned Minister is obliged to answer the Parliament, either orally or in writing, depending on the type of question raised.

Question 77 :

In which of the following states is the 'Lusei' dialect spoken?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Kerala
2. Goa
3. Mizoram
4. Manipur

Solution :

The correct answer is **option 3, ie Mizoram.**

| | |
|---|---|
| In which of the following states is the 'Lusei' dialect spoken? | Mizoram |
| What is Lusei dialect ? | <ul style="list-style-type: none">• The Duhlian dialect, also known as the Lusei, was the first language of Mizoram and has come to be known as the Mizo language.• The language is mixed with other dialects like the Hmar, Mara, Lai, Thadou-Kuki, Paite, Gangte, etc. Christian missionaries developed the Mizo script. |

Question 78 :

The Sahyadri Mountains run from to Kanyakumari, the southernmost part of India.

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. Uttar pradesh
2. Gujarat
3. Rajasthan
4. Madhya pradesh

Solution :

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

- The Sahyadri Mountains run from **Gujarat** to Kanyakumari, the southernmost part of India.
- The Sahyadri Mountains are a mountain range that covers an area of 140,000 square kilometers (54,000 sq mi) in a stretch of 1,600 kilometers (990 mi) parallel to the western coast of the Indian peninsula, traversing the states of Kerala, Tamil Nadu, Karnataka, Goa, Maharashtra, and Gujarat.
- The Western Ghats, located in India is a UNESCO World Heritage Site and is one of the eight "hottest hot spots" of biological diversity in the world.

Question 79 :

Which documentary based on Indian society won an Academy Award in 2019?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Period. End of Sentence
2. Black Sheep
3. Lifeboat
4. End Game

Solution :

The correct answer is option 1, i.e. **Period. End of Sentence**.

| | |
|---|--------------------------------|
| Which documentary based on Indian society won an Academy Award in 2019? | Period. End of Sentence |
|---|--------------------------------|

What is the 'Period. End of Sentence'?

- India-based film 'Period. End of Sentence' wins Documentary Short Subject. A film on menstruation, set in rural India, titled "Period. End of Sentence," has won the Oscar in the Documentary Short Subject category at the 91st Academy Awards.
- Directed by Rayka Zehtabchi.

Question 80 :

If $(a - b) = 4$ and $ab = 2$, then $(a^3 - b^3)$ is equal to:

Difficulty : Moderate

Average Time : 116 Seconds

Options :

1. 80
2. 92
3. 84
4. 88

Solution :

The correct answer is **option 4** i.e. **88**.

$$(a - b)^3 = a^3 - b^3 - 3ab(a - b)$$

Given,

$$(a - b) = 4 \text{ and}$$

$$ab = 2$$

Applying the formula:

$$4^3 = a^3 - b^3 - (3 \times 2 \times 4)$$

$$a^3 - b^3 = (64 + 24)$$

$$a^3 - b^3 = 88$$

Question 81 :

If _____ then is equal to:

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 47

2. 49

3. 45

4. 51

Solution :

Correct Answer is **option 1** i.e. **47**

| Concept | Understanding | Application | Fair calculation |
|---------------------------------|------------------------|---|------------------|
| $(x - 1/x)^2 = x^2 + 1/x^2 - 2$ | Given $x - 1/x = 5$ | Squaring both sides: $x + 1/x - 2 = 5$ $x + 1/x = 7$ Squaring again: $x^2 + 1/x^2 + 2 = 49$ $x^2 + 1/x^2 = 47$ | $(5)^2 = 5$ |

Question 82 :

The value of is equal to:

Difficulty : Moderate

Average Time : 160 Seconds

Options :

1. 3

2. 4

3. 2

4. 5

Solution :

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Correct Answer is **option 3** i.e. **2**

| Concept | Understanding | Application |
|---|--|--|
| $\sin(90 -) = \cos$ and $\sin^2 + \cos^2 = 1$ | Apply these formulas and put the values. | $\sin^2 42^\circ + \sin^2 48^\circ + \tan^2 60^\circ - \operatorname{cosec} 30^\circ$ $\sin^2 42^\circ + \sin^2(90^\circ - 42^\circ) + (3)^2 - 2$ $\sin^2 42^\circ + \cos^2 42^\circ + 3 - 2$ $1 + 3 - 2 = 2$ |

Question 83 :

ABC EDF and $\ar(ABC) : \ar(DEF) = 1 : 4$. If $AB = 7$ cm, $BC = 8$ cm and $CA = 9$ cm, then DF is equal to?

Difficulty : Moderate

Average Time : 151 Seconds

Options :

1. 14 cm
2. 18 cm
3. 16 cm
4. 8 cm

Solution :

Correct Answer is **option 3** i.e. **16 cm**

| Concept | Understanding | Application | Fair calculation |
|---------|---------------|-------------|------------------|
| | | | |

| | | | |
|---|---|---|--------------|
| If 2 triangles A and B are similar: Area of triangle A/Area of triangle B = (side of A) ² /(side of B) ² | Given ABC ~ EDF AB = 7 cm, BC = 8 cm, AC = 9 cm And Area(ABC) :Area(EDF) = 1 : 4, | Hence, Area(ABC) : Area(EDF) = (BC/DF) ² 1/4 = (8/DF) ² DF ² = 64 × 4/1 DF ² = 256 DF = 16 | 64 × 4 = 256 |
|---|---|---|--------------|

Question 84 :

Walking 5/7 of his usual speed, a person reaches his office 10 minutes later than the usual time. His usual time in minutes is?

Difficulty : Moderate

Average Time : 206 Seconds

Options :

1. 35
2. 25
3. 30
4. 28

Solution :

Correct Answer is **option 2** i.e. **25**

| | | | |
|---------|---------------|-------------|------------------|
| Concept | Understanding | Application | Fair calculation |
|---------|---------------|-------------|------------------|

| | | | |
|--------------------------|--|--|----------------------|
| Time = Distance/Speed | Let the usual speed of the person be S Distance = D | Speed of the person after decreasing = $5S/7$ $D/(5S/7) - D/S = 10$ $7D/5S - D/S = 10$ $2D/5S = 10$ $D/S = 10 \times 5/2 = 25 \text{ min}$ | $10 \times 5/2 = 25$ |
|--------------------------|--|--|----------------------|

Question 85 :

Six cubes, each of edge 2 cm, are joined end to end. What is the total surface area of the resulting cuboid in cm^2 ?

Difficulty : Moderate

Average Time : 171 Seconds

Options :

1. 144
2. 96
3. 128
4. 104

Solution :

Correct Answer is **option 4** i.e. **104**

| | |
|---------------|-------------|
| Understanding | Application |
|---------------|-------------|

| | |
|---|--|
| Given | Total surface area of cuboid = $2(lb + bh + hl)$ |
| Side of each cube = 2 cm | = $2(12 \times 2 + 2 \times 2 + 2 \times 12)$ |
| Six cubes are joined end to end, then length of newly formed cuboid | = $2(24 + 4 + 24)$ |
| = $2 \times 6 = 12$ cm | = 2×52 |
| Breadth of newly formed cuboid = 2 cm | = 104 cm^2 |
| Height of newly formed cuboid = 2 cm | |

Question 86 :

An article is sold for Rs. 288 after successive discounts of 20% and 25%. What is the marked price of the article?

Difficulty : Moderate**Average Time : 151 Seconds****Options :**

1. Rs 500
2. Rs 520
3. Rs 480
4. Rs 460

Solution :

The correct answer is **option 3** i.e. **Rs. 480**

| | |
|---------------|-------------|
| Understanding | Application |
|---------------|-------------|

If successive discounts of $x\%$ and $y\%$ are provided:

Cumulative discount = $x + y - \frac{xy}{100}$

Given SP = Rs. 288

Successive discounts = 20% and 25%

Cumulative discount = $20 + 25 - \frac{(20 \times 25)}{100}$
= $45 - 5 = 40\%$

Hence,

MP = $288 / 0.6 = \text{Rs. } 480$

Question 87 :

In a circle with centre O, an arc ABC subtends an angle of 136° at the centre of the circle. The chord AB is produced to a point P. Then $\angle CBP$ is equal to?

Difficulty : Moderate

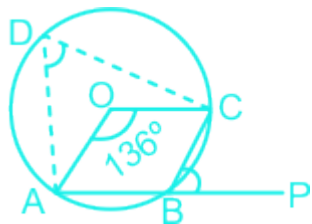
Average Time : 118 Seconds

Options :

1. 72°
2. 66°
3. 68°
4. 44°

Solution :

The correct answer is **option 3** i.e. 68° .



| | | |
|---------|---------------|-------------|
| Concept | Understanding | Application |
|---------|---------------|-------------|

| | | |
|--|---|--|
| Angle subtended by a chord at centre is double the angle subtended by same chord at circumference of the circle. | <p>Given</p> <p>$AOC = 136^\circ$</p> <p>Hence.</p> <p>$ADC = 136/2 = 68^\circ$</p> | <p>Since ABCD is a cyclic quadrilateral</p> <p>$CBP = ADC = 68^\circ$</p> |
|--|---|--|

Question 88 :

The efficiencies of A, B, and C are in the ratio 2 : 5 : 3. Working together, they can complete a task in 12 days. In how many days can A alone complete 30% of that task?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 20
2. 18
3. 15
4. 16

Solution :

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

| Concept | Understanding | Application | Fair calculation |
|--|--|--|---|
| <p>Total work</p> <p>= Efficiency × Time</p> | <p>Ratio of efficiencies of A, B and C = 2 : 5 : 3</p> <p>Suppose the efficiencies are 2x, 5x and 3x</p> | <p>Working together, they can complete task in 12 days:</p> <p>Total work = $(2x + 5x + 3x) \times 12 = 120x$</p> <p>30% of the total work = $120 \times 0.3 = 36$</p> <p>36% of the total work completed by A in = $36/2 = 18$</p> | <p>$(2x + 5x + 3x) \times 12 = 10x \times 12 = 120x$</p> |

**Question 89 :**

$21.6 \div 3.6 \times 2 + 0.25 \times 16 \div 4 - 6$ is equal to?

Difficulty : Moderate

Average Time : 122 Seconds

Options :

1. 8

2. 5

3. 6

4. 7

Solution :

Correct Answer is **option 4** i.e. 7

Application

$$21.6 \div 3.6 \times 2 + 0.25 \times 16 \div 4 - 6$$

$$6 \times 2 + 0.25 \times 4 - 6$$

$$12 + 1 - 6$$

7

Question 90 :

What is the value of x so that the seven digit number 55350x2 is divisible by 72?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. 7

2. 8

3. 3

4. 1

Solution :

Correct Answer is **option 1** i.e. **7**

| Concept | Understanding | Application |
|---|-------------------------------------|--|
| Divisibility rule: If a number is divisible by 72 it must be divisible by 8 and 9 Divisibility by 8: Last 3 digits must be divisible by 8. Divisibility by 9: Sum of all digits should be divisible by 9 | Number $55350x2$ is divisible by 72 | Last 3 digits $0x2$ must be divisible by 8: Hence, $x = 7$ or 3 If we put $x = 3$, then number becomes 5535032 which not divisible by 9. If we put $x = 7$, then number becomes 5535072 which divisible by 9. Hence, $x = 7$ |

Question 91 :

In a class of 50 students, 60% are boys. The average of marks of the boys is 62, and that of the girls is 68. What is the average marks of the whole class?

Difficulty : Moderate

Average Time : 176 Seconds

Options :

1. 64.4
2. 65.2
3. 64.8
4. 64.6

Solution :

The correct answer is **option 1** i.e. **64.4**

| | |
|---------------|-------------|
| Understanding | Application |
|---------------|-------------|



| | |
|---|--|
| Given | Number of boys in class = $50 \times 60/100 = 30$ |
| Total students = 50 | Number of girls in class = $50 - 30 = 20$ |
| Boys = 60% | Average marks of girls = 68 |
| The average of the girl's marks is 68 and that the boys is 62 | Sum of marks of girls = $68 \times 20 = 1360$ |
| | Average marks of boys = 62 |
| | Sum of marks of boys = $62 \times 30 = 1860$ |
| | Total sum of marks of all class = $1360 + 1860 = 3220$ |
| | Average marks of whole class = $3220/50 = 64.4$ |

Question 92 :

If $3\sin \theta = 2\cos \theta$, then $\tan \theta$ is equal to?

Difficulty : Moderate

Average Time : 89 Seconds

Options :

1. $5/8$
2. $5/11$
3. $5/14$
4. $5/7$

Solution :

Correct Answer is **option 3** i.e. $5/14$

| | | | |
|---------|---------------|-------------|------------------|
| Concept | Understanding | Application | Fair calculation |
|---------|---------------|-------------|------------------|

| | | | |
|----------------------|---|---|--|
| <p>Sin/Cos = Tan</p> | <p>Given</p> <p>$3 \sin = 2 \cos$</p> <p>$\tan = 2/3$</p> | $\frac{4\sin \theta - \cos \theta}{4\cos \theta + \sin \theta}$ <p>Divide by <u>Cos</u>θ:</p> $\Rightarrow \frac{4\tan \theta - 1}{4 + \tan \theta}$ <p>Put the value of <u>tan</u> θ:</p> $\Rightarrow \frac{4 \times \frac{2}{3} - 1}{4 + \frac{2}{3}} = \frac{\frac{8}{3} - 1}{\frac{14}{3}} = 5/14$ | $\frac{\frac{8}{3} - 1}{\frac{14}{3}} = \frac{\frac{5}{3}}{\frac{14}{3}} = 5/14$ |
|----------------------|---|---|--|

Question 93 :

In a circle of radius 17 cm, a chord is at a distance of 15 cm from the centre of the circle. What is the length of chord?

Difficulty : Moderate

Average Time : 147 Seconds

Options :

1. 8 cm
2. 15 cm
3. 16 cm
4. 12 cm

Solution :

The correct answer is **option 3** i.e. **16 cm**



| | | |
|----------------|----------------------|--------------------|
| Concept | Understanding | Application |
|----------------|----------------------|--------------------|

Perpendicular drawn from the center of a circle to the chord divides the chord into 2 equal parts.

In the figure:

$$OB = R = 17 \text{ cm}$$

$$OP = 15 \text{ cm}$$

Applying Pythagoras theorem in triangle OPB:

$$PB = (17^2 - 15^2)$$

$$= (289 - 225)$$

$$= 64 = 8$$

Hence,

$$AB = 2PB = 16 \text{ cm}$$

Question 94 :

The price of petrol is increased by 28%. A person wants to increase his expenditure by 22% only. By approximately what percent should he decrease his consumption?

Difficulty : Moderate**Average Time : 126 Seconds****Options :**

1. 5.1%
2. 5.3%
3. 4.7%
4. 4.9%

Solution :

The correct answer is **option 3** i.e. **4.7%**

| | | |
|---------|---------------|-------------|
| Concept | Understanding | Application |
|---------|---------------|-------------|

| | | |
|--|---|---|
| <p>Expenditure = Price × Consumption</p> | <p>Suppose initial price of sugar = 100</p> <p>Consumption = 100</p> <p>Hence,</p> <p>Initial expenditure = $100 \times 100 = 10000$</p> | <p>Increased price of sugar = $100 \times 1.28 = 128$</p> <p>Person wants his expenditure increase by 22% only,</p> <p>So, his expenditure should be = $10000 \times 1.22 = 12200$</p> <p>Hence,</p> <p>New consumption = $12200/128 = 95.3125$</p> <p>Required percentage = $[(100 - 95.3125)/100] \times 100 = [(100 - 95.3125)/100] \times 100 = 4.6875 = 4.7\%$ (Approx.)</p> |
|--|---|---|

Question 95 :

If $a + b + c = 8$ and $ab + bc + ca = 20$, then $a^3 + b^3 + c^3 - 3abc$ is equal to?

Difficulty : Moderate

Average Time : 166 Seconds

Options :

1. 36
2. 32
3. 24
4. 30

Solution :

Correct Answer is **option 2** i.e. **32**

| | | |
|---------|---------------|-------------|
| Concept | Understanding | Application |
|---------|---------------|-------------|

| | | |
|--|--|--|
| $a^3 + b^3 + c^3 - 3abc$ $= (a + b + c) [(a + b + c)^2 - 3(ab + bc + ca)]$ | <p>Given,</p> $a + b + c = 8$ <p>and</p> $ab + bc + ca = 20$ | <p>Applying the formula:</p> $a^3 + b^3 + c^3 - 3abc$ $= 8 \times [8^2 - 3 \times 20]$ $= 8 \times (64 - 60)$ $= 32$ |
|--|--|--|

Question 96 :

The difference between the compound interest and simple interest on Rs. x at 11% per annum for 2 years is Rs. 60.50. What is the value of x?

Difficulty : Moderate

Average Time : 159 Seconds

Options :

1. 4500
2. 4800
3. 4000
4. 5000

Solution :

Correct Answer is **option 4** i.e. **5000**

| Concept | Understanding | Application |
|---|---|--|
| Formula for difference between CI and SI for 2 years = $P(r/100)^2$ | <p>Given,</p> <p>$r = 11\%$, time = 2 years</p> <p>$P = \text{Rs. } x$</p> <p>Difference = Rs. 60.5</p> | <p>Hence,</p> $x \times (11 \times 11/100 \times 100) = 60.50$ $x = 605000/121$ $x = 5000$ |

Comprehension :

Direction: The table shows the number of students from different schools playing different games. Sports School A B C D
Cricket 125 250 150 175 Football 175 200 250 125 Hockey 75 125 200 150

Question 97 :

What is the ratio of the total students who play cricket in schools A and B together to the total students who play hockey in schools C and D?

Difficulty : Moderate

Average Time : 152 Seconds

Options :

1. 15 : 13
2. 16 : 11
3. 16 : 13
4. 15 : 14

Solution :Correct Answer is **option 4** i.e. **15 : 14**

| Application | Fair calculation |
|--|------------------------------|
| Total students in school A and B together who play cricket = $125 + 250 = 375$ | $375 : 350$ |
| Total students in school C and D together who play hockey = $200 + 150 = 350$ | Divide by 25: $= 15 : 14$ |
| Required ratio = $375 : 350 = 15 : 14$ | |

Comprehension :

Direction: The table shows the number of students from different schools playing different games. Sports School A B C D
Cricket 125 250 150 175 Football 175 200 250 125 Hockey 75 125 200 150

Question 98 :

If the data about the number of students who play hockey from different schools is represented by a pie-chart, what is the central angle of the sector representing students who play hockey from school C to the nearest whole number?

Difficulty : Moderate

Average Time : 123 Seconds

Options :

107°

2. 80°

3. 131°

4. 95°

Solution :Correct Answer is **option 3** i.e.131°

| Application | Fair calculation |
|---|---------------------------------------|
| Total students in all 4 schools who play hockey = 75 + 125 + 200 + 150 = 550 | $[200/550] \times 360$ $= 7200/55$ |
| Central angle of the sector representing students who play hockey from school C = $[200/550] \times 360 = 131$ °(Approx.) | $= 130.909$ |

Comprehension :

Direction: The table shows the number of students from different schools playing different games. Sports School A B C D
Cricket 125 250 150 175 Football 175 200 250 125 Hockey 75 125 200 150

Question 99 :

What is the average of the number of students who play cricket in all four schools?

Difficulty : Moderate**Average Time : 115 Seconds****Options :**

1. 180

2. 175

3. 185

4. 200

Solution :Correct Answer is **option 2** i.e.175

| Concept | Understanding | Application | Fair calculation |
|---------|---------------------------------|--|------------------|
| Average | Extract the data from the table | Total students in all 4 schools who play cricket = $125 + 250 + 150 + 175 = 700$ Required average = $700/4 = 175$ | $700/4 = 175$ |

Comprehension :

Direction: The table shows the number of students from different schools playing different games. Sports School A B C D
Cricket 125 250 150 175 Football 175 200 250 125 Hockey 75 125 200 150

Question 100 :

The number of students who play football in school A is approximately what percent of the football playing students from all schools?

Difficulty : Moderate

Average Time : 144 Seconds

Options :

1. 23.3
2. 19.4
3. 19.1
4. 19.7

Solution :

Correct Answer is **option 1** i.e.**23.3**

| Concept | Understanding | Application | Fair calculation |
|---------|---------------|-------------|------------------|
|---------|---------------|-------------|------------------|

| | | | |
|------------|---------------------------------|--|--|
| Percentage | Extract the data from the table | Number of students who play football in school A = 175 Total students in all 4 schools who play football = 175 + 200 + 250 + 125 = 750 Required percentage = $[175/750] \times 100$ = 23.3% (Approx.) | $[175/750] \times 100$ = 350/15 = 23.333 |
|------------|---------------------------------|--|--|

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2019-06-13 in the Morning exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Quantitative Aptitude, 25 questions were asked from General Awareness, 25 questions were asked from English Language and 25 questions were asked from Logical Reasoning
4. 49 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Quantitative Aptitude

1. Average - 2
2. Percentage - 3
3. Data Interpretation - 1
4. Time And Work - 1
5. Time Speed And Distance - 1
6. Interest - 1
7. Ratios And Proportion - 1
8. Geometry - 3
9. Trigonometry - 4
10. Mensuration - 1
11. Algebra - 3

- Number System - 3
13. Profit And Loss - 2

General Awareness

1. Polity - 1
2. Geography - 5
3. GK Misc - 19

English Language

1. Idioms - 1
2. Fillers - 23
3. Synonym - 1

Logical Reasoning

1. Coding Decoding - 1
2. Analogy - 1
3. Missing Characters - 2
4. Blood Relations - 1
5. Syllogism - 6
6. Venn Diagrams - 1
7. Dictionary Based - 1
8. Figure Based - 2
9. Matrix - 3
10. Paper-cutting, Folding, Punching - 2
11. Series - 1
12. Puzzle - 1
13. Mathematical Reasoning - 1
14. Cubes And Dice - 1

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks



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

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About Neetu Mam

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

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