

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 2021-08-16 in the Afternoon exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 22 32 7 18 24 5 32 40 ?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 4
2. 8
3. 12
4. 10

Solution :

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

The pattern followed here is:

$$\text{Column 1 } 2 \times 18 - (22 - 18) = 32$$

$$\text{Column 2 } 2 \times 24 - (32 - 28) = 40$$

Similarly,

$$\text{Column 3 } 2 \times 5 - (7 - 5) = 8$$

Hence, the correct answer is **8**.

Question 2 :

Select the most appropriate ANTONYM of the given word. Harmony

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Discord
2. Amity
3. Accord
4. Concord

Solution :

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

The meaning of other options is-

- **Harmony:** Synchronisation between people.
- **Discord:** Disagreement between people.
- **Amity:** Friendly relations between people.
- **Accord:** To be harmonious or consistent with.
- **Concord:** Agreement or harmony between people or groups.

Hence, the most appropriate antonym to **Harmony** is **Discord**.

Question 3 :

Select the Venn diagram that best illustrates the relationship among the following classes. Whisk, Utensil, Sickle

Difficulty : Moderate

Average Time : 52 Seconds

Options :



3.

Page No: 2

Follow us on



Address : 1997, Mukherjee Nagar, 110009

Email : online@kdcampus.org

Call : +91 95551 08888

Download the App



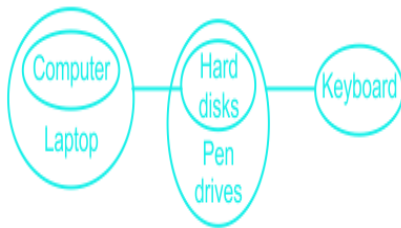


Solution :



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

Whisk is a type of Utensil, while a sickle is a tool.



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

Question 4 :

Select the number from among the given options that can replace the question mark (?) in the following series. 5, 13, 22, 34, 51, 75, 108, 152, ?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

- 1. 230
- 2. 203
- 3. 209
- 4. 290

Solution :

The correct answer is **option 3** i.e. **209**.

The pattern followed here is:



Hence, the next we will add number 13.

Hence, the correct answer is **209**.

Question 5 :

Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. GCB, JHE, MMH, PRK, ?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. RVM
2. TXO
3. SWN
4. SXM

Solution :

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

The pattern followed here is:

$G + 3 = J$, $J + 3 = M$, $M + 3 = P$, $P + 3 = S$

$C + 5 = H$, $H + 5 = M$, $M + 5 = R$, $R + 5 = W$

$B + 3 = E$, $E + 3 = H$, $H + 3 = K$, $K + 3 = N$

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

Question 6 :

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 : 48 Seconds

Options :



1. IDWG

2. BTGN

3. FJQL

4. EMNK

Solution :

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

The pattern followed here is:

We add the positional values of all the alphabets.

$$\text{IDWG } 9 + 4 + 23 + 7 = 43$$

$$\text{BTGN } 2 + 20 + 7 + 14 = 43$$

$$\text{FJQL } 6 + 10 + 17 + 12 = 45$$

$$\text{EMNK } 5 + 13 + 14 + 11 = 43$$

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

Question 7 :

Find the number of square in the given figures. (Rectangles NOT to be included)

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 9

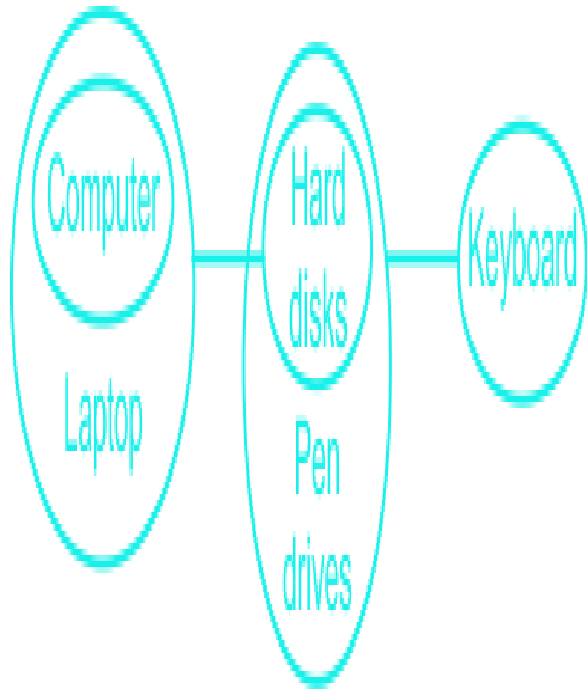
2. 7

3. 5

4. 16

Solution :

The correct answer is **option 2** i.e. **7**.



There are 7 squares in the question figure i.e.:

ABCD, EFGH, UVWX, QRST, MNOP, ED'DC', YFKZ.

Question 8 :

Select the letter from among the given options that can replace the question mark (?) in the following series. B, E, G, J, L, ?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. O
2. N
3. Q
4. P

Solution :

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



The pattern followed here is +3, +2, +3, +2, +3.....

$$B + 3 = E$$

$$E + 2 = G$$

$$G + 3 = J$$

$$J + 2 = L$$

$$L + 3 = O$$

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

Question 9 :

The present age of a father is three times that of his elder son. Four years hence, the age of the father will be four times that of his younger son. If the difference between the present ages of the elder and younger child is 6 years, what is the present age of the father?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 36 years
2. 32 years
3. 38 years
4. 42 years

Solution :

The correct answer is **option 1** i.e. **36 years**.

Let's consider present age of elder son x and younger son's age y .

Then the father's present age will be $3x$.

It is also given that, $x - y = 6$ ----- equation 1

Now, four years hence:

Age of younger son will be $y + 4$

Age of father will be $4(y + 4) = 4y + 16$ or $3x + 4$

By comparing values:

$$4y + 16 = 3x + 4$$

$$4y + 16 - 4 = 3x$$

$$4y + 12 = 3x$$

$$(4y + 12) \div 3 = x \quad \text{----- equation 2}$$

Now putting the value of x in equation 1, we get

$$(4y + 12) \div 3 - y = 6$$

$$(4y + 12 - 3y) \div 3 = 6$$

$$4y + 12 - 3y = 6 \times 3$$

$$4y - 3y = 18 - 12$$

$$y = 6 \quad \text{----- equation 3}$$

By placing the value of y in equation 1, we get:

$$x - 6 = 6$$

$$x = 6 + 6 = 12$$

Hence, the present of father will be:

$$3 \times 12 = 36$$

Therefore, the correct answer is **36 years**.

Question 10 :

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 unfolded?

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



4.

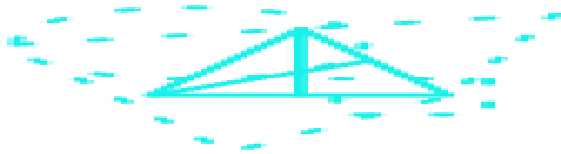
Solution :



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

Understanding

After unfolding, the paper will appear as follows:



In this type of question, the order of unfolding the paper will be reverse of the order in which it was folded.

Question 11 :

Select the correct sequence of mathematical signs that can sequentially replace the * signs and balance the given equation. $6 * 10 * 55 * 162 * 9 = 23$

Difficulty : Moderate

Average Time : 77 Seconds

Options :

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



+, , ÷, ×

Solution :

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

Using the BODMAS rule we get:

$$6 \times 10 - 55 + 162 \div 9 = 23$$

$$6 \times 10 - 55 + 18 = 23$$

$$60 - 55 + 18 = 23$$

$$5 + 18 = 23$$

$$23 = 23$$

As we get the option 1 correct so there is no need to check other options as we have already got the correct answer.

Question 12 :

Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number. $15 : 135 :: 16 : ? :: 18 : 189$

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

1. 152
2. 121
3. 131
4. 141

Solution :

The correct answer is **Option 1** i.e. **152**.

The logic followed here is:

$$[(15 + 3) \times 15] \div 2 = 135$$

$$[(18 + 3) \times 18] \div 2 = 189$$

Similarly,

$$[(16 + 3) \times 16] \div 2 = 152$$



Hence, the correct answer is **152**.

Question 13 :

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 : 42 Seconds

Options :

1. Prowl
2. Growl
3. Howl
4. Yowl

Solution :

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

Except Prowl all the remaining words are related to sound.

Prowl to move around an area quietly so that you are not seen or heard

Growl to make a low noise in the throat to show anger or to give a warning

Howl to make a long loud sound

Yowl a loud wailing cry, especially one of pain or distress.

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

Question 14 :

Two different position of the same dice shown, the six facts of which are marked as 'AT', 'IN', 'SO', 'WE', 'GO', and 'TO'. Select the word that will be on the face opposite to the face showing the word 'TO'.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. AT
2. SO
3. GO
4. IN

Solution :

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

In this type of question, we pick the common side and go in a clockwise direction in both positions.

1st position: WE TO AT

2nd position: WE GO IN

AT will be opposite to IN, TO will be opposite to GO.

Hence, GO will be opposite to TO.

Question 15 :

In a certain code language, 'ALPINE' is coded as '171' and 'SPRING' is coded as '83'. How will 'CAPITAL' be coded in that language?

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

1. 124
2. 93
3. 62
4. 186

Solution :

The correct answer is **Option 4** i.e. **186**

The logic followed here is, we add the positional value of alphabets and then multiply the result by the number of vowels present in the word.

A L P I N E $1 + 12 + 16 + 9 + 14 + 5 = 57$ $57 \times 3 = 171$

S P R I N G $19 + 16 + 18 + 9 + 14 + 7 = 83$ $83 \times 1 = 83$

Similarly,

C A P I T A L $3 + 1 + 16 + 9 + 20 + 1 + 12 = 62$ $62 \times 3 = 186$

Hence, the correct answer is **186**.

Question 16 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Umbilical 2. Urgent 3. Unaltered 4. Umbrella 5. Unanimous



Difficulty : Moderate

Average Time : 58 Seconds

Options :

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

Solution :

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

The arrangement of the above words in the order in which they appear in an English dictionary is:

Umbilical, Umbrella, Unaltered, Unanimous, Urgent

Hence, the correct order is **1, 4, 3, 5, 2.**

Question 17 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Chicken : Flock :: Bear : ?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Drove
2. Sleuth
3. Ambush
4. Clutter

Solution :

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

The logic followed is:

The group of Chicken is called Flock.

Similarly, the group of bears is called Sleuth.

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

Question 18 :

In a certain code language, 'MORBID' is written as 'THGMID'. How will 'OBTAIN' be written in that language?

Difficulty : Moderate

Average Time : 41 Seconds

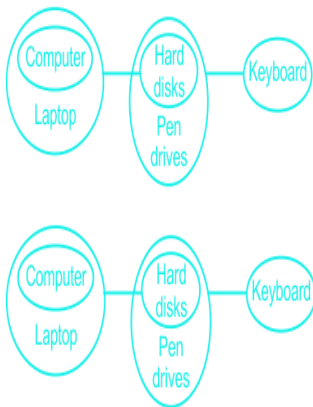
Options :

1. GFOJDS
2. JOFGSD
3. GJFOSD
4. JGOFDS

Solution :

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

The pattern followed here is:



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

Question 19 :

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 : 50 Seconds

Options :

1. 169 : 55
2. 289 : 70
3. 256 : 61



324 : 64

Solution :

The correct answer is **Option 4** i.e. **324 : 64**.

The logic followed here is:

$$169 : 55 = 13^2 : 55$$

$$289 : 70 = 17^2 : 70$$

$$256 : 61 = 16^2 : 61$$

$$324 : 64 = 18^2 : 8^2$$

Only in option 4, both sides have a perfect square.

Hence, the correct answer is **324 : 64**.

Question 20 :

Introducing Rajat to a guest, Ajay said, "He is the only son of my father's daughter-in law". How is Ajay related to Rajat?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

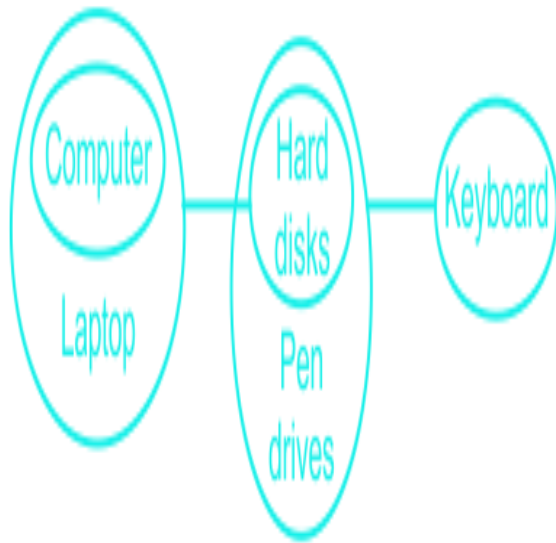
1. Paternal grandfather
2. Maternal grandfather
3. Brother
4. Either father or uncle

Solution :

The correct answer is **option 4** i.e. **Either father or uncle**.

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.



Thus considering the figure, Ajay is either father or uncle of Rajat.

Hence, considering all the four options the most appropriate is option 4.

Question 21 :

Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.

Difficulty : Moderate

Average Time : 57 Seconds

Options :



4.

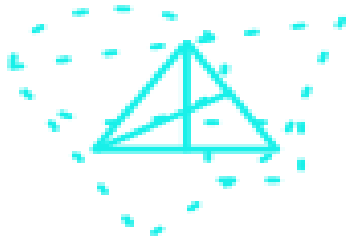


Solution :



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

The mirror image of the given figure along the mirror is shown below:



Note: Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the mirror.

That means the left side of the figure will become the right side and vice versa.

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

Question 22 :

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

Difficulty : Moderate

Average Time : 80 Seconds

Options :

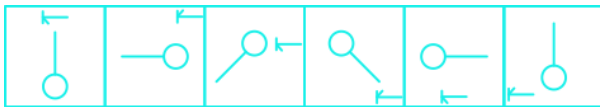




Solution :



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



The line with circle is rotating in anti-clockwise direction by 90° and 45° alternatively.

While the another line is moving along the sides and corner in clockwise direction.

Question 23 :

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

Difficulty : Moderate

Average Time : 69 Seconds

Options :





Solution :



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



The question figure is embedded in option figure 1 as shown above.

Question 24 :

Select the option in which the words share the same relationship as that shared by the given pair of words. Raj Ghat : Mahatma Gandhi

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Vijay Ghat : Lal Bahadur Shastri
2. Shanti Vana : Rajiv Gandhi
3. Shakti Sthal : Sanjay Gandhi
4. Veer Bhoomi : Indira Gandhi

Solution :

The correct answer is **option 1** i.e **Vijay Ghat : Lal Bahadur Shastri**

Raj Ghat is the memorial of Mahatma Gandhi.

Similarly, Vijay Ghat is the memorial of Lal Bahadur Shastri.

Note:

Shanti Vana is the memorial of Pandit Jawahar Lal Nehru.

Shakti Sthal is the memorial of Indira Gandhi.

Veer Bhoomi is the memorial of Rajiv Gandhi.

Question 25 :

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 follows from the statements. Statements: All computers are laptops. All hard disks are pen drives. No pen drive is a keyboard. No computer is a hard disk. Conclusions: I. Some pen drives are not laptops. II. No keyboard is a computer. III. No hard disk is a laptop. IV. All pen drives are not keyboards.

Difficulty : Moderate

Average Time : 72 Seconds

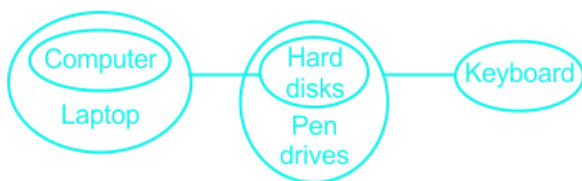
Options :

1. Only conclusion III follows
2. Only conclusion I follows
3. Only conclusion II follows
4. Only conclusion IV follows

Solution :

The correct answer is **option 4** i.e **Only conclusion IV follows.**

The least possible venn diagram for the given statements is shown below:



Conclusions:

- I. Some pen drives are not laptops **False** (It is a possibility but not definite)
- II. No keyboard is a computer **False** (It is a possibility but not definite)
- III. No hard disk is a laptop **False** (It is a possibility but not definite)
- IV. All pen drives are not keyboards **True** (As it is given that no pen drive is a keyboard)

**Question 26 :**

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 6 11 14 8 3 ? 62 47 89

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

1. 15

2. 5

3. 6

4. 4

Solution :

The correct answer is **Option 2** i.e **5**

The pattern followed in the above is:

$$[6 \times (8+1)] + 8 = 62$$

$$[11 \times (3+1)] + 3 = 47$$

$$[14 \times (x+1)] + x = 89$$

Now, we will solve the equation $[14 \times (x+1)] + x = 89$

$$14x + 14 + x = 89$$

$$15x + 14 = 89$$

$$15x = 89 - 14$$

$$15x = 75$$

$$x = 75 \div 15$$

$$x = 5$$

Hence, the correct answer is **5**.

Question 27 :

Which of the following is also called 'green algae'?

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



Phaeophyceae

2. Porphyridium

3. Chlorophyceae

4. Rhodophyceae

Solution :

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

- The **Chlorophyceae** are a large and important group of freshwater green algae.
- They include some of the most common species, as well as many members that are important both ecologically and scientifically. Some famous chlorophyceans are Chlamydomonas and Volvox.

Question 28 :

_____ organised his trusted nobles into a group of forty known as Turkan-i-Chahalgani.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Qutub-Ud-Din Aibak
2. Balban
3. Iltutmish
4. Ala-ud-Din Khilji

Solution :

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

- The Turkan-i-Chahalgani and Chalisa(The Fourty), was a group of 40 faithful slaves that came into existence with the task of protecting Shamsuddin **Iltutmish**, the third slave sultan of Delhi sultanate.
- The idea to form the group was taken by him when he came to realise that Turkish nobles cannot be trusted and could be a threat to his rule.

Question 29 :

Who among the following is the author of the book 'Interpreter of Maladies'?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Sudha Murty



Arundhati Roy

3. Anita Nair

4. Jhumpa Lahiri

Solution :

The correct answer is **option 4** i.e. **Jhumpa Lahiri**.

- The book 'Interpreter of Maladies' was published in 1999 and authored by **Jhumpa Lahiri**.
- The book is a collection of nine short stories and has won the Pulitzer Prize for fiction and the Hemingway Foundation/PEN Award in the year 2000.

Question 30 :

The _____ rate measures rising prices in everything except food and energy.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Wage inflation
2. Core inflation
3. Stagflation
4. Deflation

Solution :

The correct answer is **option 2** i.e. **Core inflation**.

- The **core inflation** rate represents the long-run trend in the price level. It is the price change of goods and services minus food and energy.
- However, food and energy products are too volatile to be included because they can change so quickly that they can throw off an accurate reading of underlying inflation trends.

Question 31 :

Who among the following was the first Vice President of India?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Varahagiri Venkata Giri
2. Gopal Swarup Pathak

Sarvepalli Radhakrishnan

4. Zakir Hussain

Solution :

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

- **Sarvepalli Radhakrishnan**, an Indian philosopher and a statesman, served as the first Vice President of India from 1952 to 1962.
- He also served as the second President of India starting from 1962-1967.

Question 32 :

The elements of groups 3 to 12 are called _____ elements or transition elements.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. c-block
2. d-block
3. a-block
4. b-block

Solution :

The correct answer is **option 2** i.e. **d-block**.

- Groups 3-12 elements are called **d-block elements**.
- The d-block elements include the most common metals used in construction and manufacturing, metals that are valued for their beauty such as gold, silver, platinum etc and metals used in making coins such as nickel, copper and metals used in modern technology such as titanium.

Question 33 :

_____ is a practice of establishing and managing individual trees generally for amenity purposes.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Floriculture
2. Viniculture
3. Arboriculture

Silviculture

Solution :

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

- **Silviculture** is the art and science of controlling the establishment, growth, composition, health, and quality of forests and woodlands to meet the diverse needs and values of landowners and society such as wildlife habitat, timber, water resources, restoration and recreation on a sustainable basis.

Question 34 :

Which of the following is a private good?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. A good that is available to everyone to consume, regardless of who pays for it and who does not
2. A good that is consumed by a single person or household
3. Spillover benefits
4. Non-rival in consumption and non-excludable

Solution :

The correct answer is **option 2** i.e. **A good that is consumed by a single person or household**.

- A private good, in economics, is defined as an item that yields positive benefits to people that is excludable, i.e its owners can exercise private property rights.
- It is basically a **good that is consumed by a single person or household**.

Question 35 :

Which of the following nations is NOT a part of the Quad Group?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Australia
2. Canada
3. India
4. Japan

Solution :



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

- **Canada** is not a part of the Quad group.
- The Quad or the Quadrilateral Security Dialogue(QSD) is a strategic security between Australia, India, Japan, and the United States, that is maintained by talks between member countries.

Question 36 :

In which Indian state will you find the Borail Wildlife Sanctuary?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Karnataka
2. Odisha
3. Assam
4. West Bengal

Solution :

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

- The Borail Wildlife Sanctuary is situated in the southern part of **Assam**, India.
- The sanctuary consists of the North Cachar Reserved Forest and Barail Reserved Forest, located within Cachar district. The forest is home to a wide diversity of wildlife such as hoolock gibbon, capped langur, Himalayan black bear, jungle cat etc.

Question 37 :

_____ is a branch of biology that studies fungi.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Morphology
2. Kalology
3. Mycology
4. Virology

Solution :

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



Mycology is the branch of biology concerned with the study of fungi, including their genetic and biochemical properties, their taxonomy and their use to humans, which may include as a source for tinder, traditional medicine, food and entheogens, as well as their dangers, such as toxicity or infection.

Question 38 :

Which of the following is one of the metals used in LED semiconductor technology?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Copper
2. Gallium
3. Iron
4. Zinc

Solution :

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

- Gallium is a chemical element with the symbol Ga and atomic number 31.
- Since its discovery in 1875, gallium has been widely used to make alloys with low melting points. It is extensively used in semiconductors, as a dopant in semiconductor substrates.

Question 39 :

Which of the following countries' former Prime Minister was awarded the Padma Vibhushan award in 2021?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Nepal
2. Japan
3. Sri Lanka
4. Bangladesh

Solution :

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

- Prime Minister Shinzo Abe, the former **Prime Minister of Japan** was awarded the Padma Vibhushan award in 2021.



The Padma Vibhushan is awarded for exceptional and distinguished service and is the second-highest civilian award in India.

Question 40 :

What is the name of the river formed by the confluence of the Sankh River and South Koel River at Vedvyas in Odisha?

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

1. **Brahmani**
2. Pennar
3. Subarnarekha
4. Sabarmati

Solution :

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

- The **Brahmani river** is a major seasonal river located in the northeastern Odisha state and is a confluence of the Sankh and South Koel rivers.
- It flows through the districts of Sundargarh, Deogarh, Angul, Dhenkanal, Cuttack, Jajapur and Kendrapara.

Question 41 :

Of the known elements in the periodic table, only _____ are gases under normal atmospheric conditions.

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

1. **11**
2. 13
3. 12
4. 10

Solution :

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

- Only 11 gases are under normal atmospheric conditions, out of the known elements in the periodic table.
- These gases include **Hydrogen, Nitrogen, Oxygen, Fluorine, Chlorine, Argon, Neon, Helium, Krypton, Xenon and Radon**.



Question 42 :

Who among the following was the Australian Open 2020 women's singles winner?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Simona Halep
2. Serena Williams
3. Garbine Muguruza
4. Sofia Kenin

Solution :

The correct answer is **option 4** i.e. **Sofia Kenin**.

- **Sofia Kenin** won her first Grand Slam title by defeating Garbine Muguruza in the final.
- Kenin became the first American woman other than Serena Williams to have won the Australian Open Women's singles title since Jennifer Capriati in 2002.

Question 43 :

The place of Gautama Buddha's birth was a grove known as _____.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Kavus
2. Lumbini
3. Mangar Bani
4. Mawphlang

Solution :

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

- Lord Buddha was born in 623 B.C., in the famous gardens of **Lumbini**, which soon became a place of pilgrimage.
- The site is now being developed as a Buddhist pilgrimage centre, where the archaeological remains associated with the birth of the Lord Buddha form a central feature.

Question 44 :

When is the Hindi Diwas observed annually?



Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 1 October
2. 14 March
3. 6 April
4. 14 September

Solution :

The correct answer is **option 4** i.e. **14 September**.

- Hindi Diwas or Hindi Day is celebrated annually on **14 September**.
- It is celebrated in India to commemorate the date 14 September 1949 on which a compromise was reached during the drafting of the Constitution of India, on the languages that were to have official status in the Republic of India.

Question 45 :

Who is the ex-officio President of the Indian Parliamentary Group (IPG), set up in 1949, which functions as the national group of the Inter-Parliamentary Union (IPU) and the main branch of the Commonwealth Parliamentary Association (CPA) in India?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Vice President
2. Prime Minister
3. President
4. Speaker of the Lok Sabha

Solution :

The correct answer is **option 4** i.e. **Speaker of the Lok Sabha**.

- The **Speaker of the Lok Sabha** is the ex-officio President of the Indian Parliamentary Group(IPG).
- The IPG is an autonomous body whose membership is open to all current or former members of the Indian parliament. It was established on 16 August, 1948 with an aim to promote personal contacts between members of Parliament and to share information to members of parliament by organizing seminars etc. on possible issues before the parliament.

Question 46 :



In which state is Ponu Yoksi, a sword-like instrument, used during ceremonial dances performed by priests?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Uttar Pradesh
2. Himachal Pradesh
3. Arunachal Pradesh
4. Madhya Pradesh

Solution :

The correct answer is **option 3** i.e. **Arunachal Pradesh**,

- Ponu Yoksi is a popular instrument of **Arunachal Pradesh**, that looks like a sword with a sharp edge.
- In the centre, there are two iron plates with holes and when the player moves the sword make a clanging sound which is used by the priest to keep rythm during ceremonial dances.

Question 47 :

Who among the following had written the book 'Char Chaman', during the reign of Shah Jahan, describing the Mughal nobility?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Chandrabhan Brahman
2. Abu'l Fazi
3. Muhammad Waris
4. Gulbadan Begum

Solution :

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

- The book 'Char Chaman' was authored by **Chandrabhan Brahman**, wherein he used to describe the awareness of medical science and other knowledge which existed in the Mughal court and also highlighted the prestige the Mughal court had and the talent it attracted from other places.
- The book also shows Shah Jahan as a very human figure-a father first then an emperor.

Question 48 :

Where is the headquarters of International Hockey Federation (IHF) located?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Australia
2. Switzerland
3. Bhutan
4. Nepal

Solution :

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

- The headquarters of the International Hockey Federation is in Lausanne, **Switzerland**.
- The IHF was founded in 1924 and is a governing body of field hockey and indoor field hockey. It is responsible for field hockey's major international tournaments, notably the World Cup.

Question 49 :

In February 2021, the Defence Ministry of India awarded a contract to manufacture 83 Light Combat Aircraft (LCA) Tejas fighters to _____.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Hindustan Aeronautics Limited
2. Bharat Dynamics Limited
3. Bharat Electronics Limited
4. Defence Research and Development Organisation

Solution :

The correct answer is **option 1** i.e. **Hindustan Aeronautics Limited**.

- At the 13th edition of Aero India in Bengaluru, **Hindustan Aeronautics Limited(HAL)** was awarded the contract to manufacture 83 Light Combat Aircraft Tejas for the Indian Air Force(IAF) at an estimated cost of Rs. 48,000 crore while India showcased a range of indigenous military platforms to the world.

Question 50 :

In which of the following years was the origin and enactment of the Indian Age of Consent Act passed?



Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 1889
2. 1901
3. 1891
4. 1834

Solution :

The correct answer is **option 3** i.e. **1891**.

- The Indian Age of Consent Act was passed on **19 March 1891**, which raised the age of consent for sexual intercourse for all girls, married or unmarried starting from age 10-12 years in all jurisdictions, its violation is subject to criminal prosecution as rape.

Question 51 :

How many people were awarded the Padma Vibhushan in January 2021?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 29
2. 4
3. 10
4. 7

Solution :

The correct answer is **option 4** i.e. **7**.

- The list of Padma Vibhushan recipients in January 2021 were seven.
- They include 1) **Shinzo Abe**, 2) **S.P Balasubramaniam**. 3) **Dr. Belle Monappa Hegde**, 4) **Narinder Singh Kapany**, 5) **Maulana Wahiduddin Khan**, 6) **B.B. Lal** and 7) **Sudarshan Sahoo**.

Question 52 :

If $4x^4 - 37x^2 + 9 = 0$, $x > (\frac{3}{2})$, then what is the value of $8x^3 - (\frac{27}{x^3})$?

Difficulty : Moderate

Average Time : 43 Seconds

**Options :**

1. 35
2. 215
3. -215
4. -35

Solution :

The correct answer is **option 2** i.e. **215**

Given :

$$4x^4 - 37x^2 + 9 = 0 \text{ and } x > \left(\frac{3}{2}\right)$$

Calculations :

Let us take $x^2 = a$, then

$$4a^2 - 37a + 9 = 0$$

$$4a^2 - 36a - a + 9 = 0$$

$$4a(a - 9) - 1(a - 9) = 0$$

$$(4a - 1)(a - 9) = 0$$

$$a = 1/4 \text{ and } 9$$

$$x^2 = 1/4 \text{ is not valid as } x > \left(\frac{3}{2}\right) \text{ and } x^2 > 3/2$$

$$x^2 = 9 \text{ such that } x = 3, -3$$

Put $x = 3$, we get

$$8x^3 - \left(\frac{27}{x^3}\right)$$

$$8(3)^3 - 27/(3)^3$$

$$8(27) - 27/27$$

$$216 - 1$$

215**Question 53 :**

If $a - \left(\frac{12}{a}\right) = 1$, where $a > 0$, then the value of $a^2 + \left(\frac{16}{a^2}\right)$ is :

**Difficulty : Moderate****Average Time : 108 Seconds****Options :**

1. 15
2. 17
3. 19
4. 11

Solution :The correct answer is **Option 2** i.e. 17.Given, $a - \frac{12}{a} = 1$

$$a^2 - 12 = a$$

$$a^2 - a - 12 = 0$$

$$a^2 - 4a + 3a - 12 = 0$$

$$a(a - 4) + 3(a - 4) = 0$$

$$a = 4, -3$$

but as given $a > 0$,

$$a = 4$$

Putting in $a^2 + \frac{16}{a^2}$,

$$16 + 1 = 17$$

Question 54 :

Table shows income (in Rs) received 4 employees of a company during the month of December 2020 and all their income source. Source Amit Suresh Nitin Varun Salary 35000 38500 29000 42000 Arrears 6000 6300 5000 7500 Bonus 1000 1100 1000 1240 Overtime 1800 1950 1400 1500 By what percent is the bonus of Varun less than the Bonus of Amit and Nitin taken Together?

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

1. 45
2. 48



40.9

4. 38

Solution :

The correct answer is **option 4** i.e. **38**

Given :

Bonus of varun = Rs 1240

Bonus of amit = Rs 1000

Bonus of nitin = Rs 1000

Calculations :

Bonus of amit and nitin taken together = 1000 + 1000

Rs 2000

Difference between the bonus of amit and nitin taken together to varun bonus

2000 - 1240

Rs 760

Percent by which bonus of Varun less than the Bonus of Amit and Nitin taken Together

$(760/2000) \times 100$

76/2

38%

Question 55 :

The bar graph shows the number of students enrolled for a science course in institutes A and B during 5 years from 2014 to 2018. What is the ratio of the total number of students enrolled in institutes B in 2015 and 2017 to that of students enrolled in institutes A in 2014 and 2016?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 111:91

2. 91:111



92:137

4. 137:92

Solution :

The correct answer is **option 4** i.e. **137:92**

Calculations :

Total number of students enrolled in institutes B in 2015 and 2017

$$360 + 325 = 685$$

Students enrolled in institutes A in 2014 and 2016

$$160 + 300 = 460$$

Required ratio

$$685 : 460$$

$$137 : 92$$

Question 56 :

A train leaves station A at 8 am and reaches station B at 12 noon. A car leaves station B at 8:30 am and reaches station A at the same time when the train reaches station B. At what time do they meet ?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 10:22 am
2. 10:08 am
3. 9: 38 am
4. 9:52 am

Solution :

The correct answer is **option 2** i.e. **10:08 am**

Given :

Train leaves station A at 8 am

Car leaves station B at 8 : 30 am

Formula used :

$$\text{Speed} = \text{Distance}/\text{Time} \quad \text{----- (1)}$$

Calculations :

Let the total distance between station A and B be x

Time taken by train to cover x km = 4 hours

Time taken by car to cover x km = 3.5 hours

Using equation (1)

Speed of train = $(x/4)$ kmph

Speed of car = $(2x/7)$ kmph

Distance covered by train in half an hour (8 : 30 am) = $(x/4) \times (1/2)$

$x/8$ km

Remaining distance = $x - x/8 = 7x/8$ km

Let y be the time after which they will meet each other

$$(x/4) \times y + (2x/7) \times y = 7x/8$$

$$(7x + 8x)/28y = 7x/8$$

$$15x/28y = 7x/8$$

$$y = 49/30 \text{ hours}$$

$$y = (49/30) \times (60)$$

$$y = \mathbf{98 \text{ mins or 1 hour 38 mins}}$$

Hence, both train and car will meet each other at

8 : 30 am + 1 hour 38 mins

10 : 08 am

Question 57 :

The value of $3(\frac{5}{6}) + [(\frac{2}{3}) + \{(\frac{15}{4})(5(\frac{4}{5}) \div 14(\frac{1}{2}))\}]$ is equal to:

Difficulty : Moderate

Average Time : 88 Seconds

**Options :**

1. 6
2. 7
3. 9
4. 8

Solution :

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

Calculations :

$$\left(\frac{23}{6} + \left[\frac{2}{3} + \left(\frac{15}{4} \left(\frac{29}{5} \times \frac{2}{29}\right)\right)\right]\right)$$

$$\left(\frac{23}{6} + \left[\frac{2}{3} + \left(\frac{15}{4} \times \frac{2}{5}\right)\right]\right)$$

$$\left(\frac{23}{6} + \left[\frac{2}{3} + \frac{3}{2}\right]\right)$$

$$\left(\frac{23}{6} + \frac{13}{6}\right)$$

$$36/6 = 6$$

Question 58 :

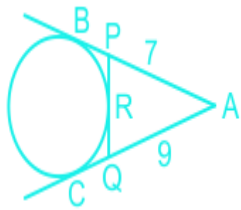
In $\triangle ABC$, $AB = 20$ cm, $BC = 21$ cm and $AC = 29$ cm. What is the value of $\cot C + \operatorname{cosec} C - 2\tan A$?

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

1. $\frac{3}{5}$
2. $\frac{9}{20}$
3. $\frac{2}{5}$
4. $\frac{7}{20}$

Solution :

The correct answer is **option 3** i.e. $\frac{2}{5}$



Given :

AB = 20 cm, BC = 21 cm and AC = 29 cm

Formula used :

Pythagoras theorem,

$$(\text{Hypotenuse})^2 = (\text{Base})^2 + (\text{Perpendicular})^2 \quad \text{----- (1)}$$

Calculations :

Using equation (1)

$$29^2 = 21^2 + 20^2$$

$$841 = 441 + 400$$

$$841 = 841$$

The triangle satisfies the pythagoras theorem therefore ABC is a right angled triangle

$$\cot C = BC/AB = 21/20 \quad \text{----- (1)}$$

$$\text{cosec } C = AC/AB = 29/20 \quad \text{----- (2)}$$

$$\tan A = BC/AB = 21/20 \quad \text{----- (3)}$$

Put the value of equation (1), (2) and (3) in the equation below

$$\cot C + \text{cosec } C - 2\tan A$$

$$21/20 + 29/20 - 2(21/20)$$

$$(21 + 29 - 42)/(20)$$

$$8/20$$

$$2/5$$

Question 59 :

In a triangle ABC, point D lies on AB, and points E and F lie on BC such that DF is parallel to AC and DE is parallel to AF.

If $BE = 4\text{cm}$, $CF = 3\text{ cm}$, then find the length (in cm) of EF .

Difficulty : Moderate

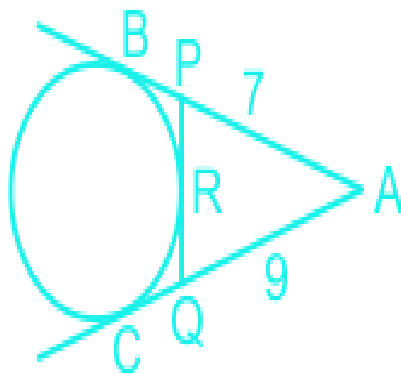
Average Time : 92 Seconds

Options :

1. 5
2. 3
3. 2
4. 1.5

Solution :

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



Given :

$DF \parallel AC$ and $DE \parallel AF$

$BE = 4\text{cm}$, $CF = 3\text{ cm}$

Calculations :

Let EF be x

In $\triangle ABC$, $DF \parallel AC$

$$\frac{BD}{AB} = \frac{BF}{BC} \quad \text{---- (1)}$$

Now, in $\triangle BAF$, $DE \parallel AF$

$$\frac{BE}{BF} = \frac{BD}{AB} \quad \text{---- (2)}$$

Equating equation (1) and (2), we get



$$\left(\frac{BE}{BF}\right) = \left(\frac{BF}{BC}\right)$$

$$BF^2 = BE \times BC$$

$$(x + 4)^2 = 4(7 + x)$$

$$x^2 + 16 + 8x = 28 + 4x$$

$$x^2 + 4x - 12 = 0$$

$$x^2 + 6x - 2x - 12 = 0$$

$$(x + 6)(x - 2) = 0$$

$$x = 2$$

Hence, The value of EF is 2 cm.

Question 60 :

A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 4 days B had to leave. Then A working with a new worker C complete the remaining work in 3 days . If C works alone , in how many days he can do 40% of the same work ?

Difficulty : Moderate

Average Time : 91 Seconds

Options :

1. 9
2. $8\frac{1}{2}$
3. 8
4. 10

Solution :

The correct answer is **option 1** i.e. **9**.

Given :

A and B can complete a work in 15 days and 10 days

A and B work together for 4 days

A and C complete the remaining work in 3 days

Calculations :

A and B one day work = $\frac{1}{15} + \frac{1}{10} = \frac{1}{6}$

A and B work for 4 days = $4 \times \frac{1}{6} = \frac{2}{3}$

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

The remaining work is completed in 3 days by A and C

$$\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$$

Let C's one-day work be $\frac{1}{C}$

$$\frac{1}{15} + \frac{1}{C} = \frac{1}{9}$$

$$\frac{1}{C} = \frac{2}{45}$$

C can complete the whole work in $\frac{45}{2}$ days

Time taken by C to complete 40% of the total work

$$\left(\frac{40}{100}\right) \times \frac{45}{2} = 9 \text{ days}$$

Hence, the Time taken by C to complete 40% of the total work is 9 days.

Question 61 :

If one of the angles of a triangle is 74° , then the angle between the bisector of the other two interior angles is :

Difficulty : Moderate

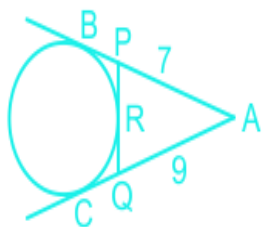
Average Time : 72 Seconds

Options :

1. 53°
2. 106°
3. 127°
4. 16°

Solution :

The correct answer is **option 3** i.e. 127°



Given :



One angle of a triangle = 74

Formula used :

If I is the incenter of the triangle ABC then,

$$\text{BIC} = 90 + (1/2)(A) \quad \text{----- (1)}$$

Calculations :

According to the figure, using equation (1)

$$\text{BIC} = 90 + (1/2)(74)$$

$$\text{BIC} = 90 + 37$$

$$\text{BIC} = 127^\circ$$

Question 62 :

$$\cot^3/\text{cosec}^2 + \tan^3/\sec^2 + 2 \sin \cos = ?$$

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. cosecsec
2. sincos
3. cosec²sec²
4. sin²cos

Solution :

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

Concept used :

Trigonometric functions

Calculations :

$$\cot^3/\text{cosec}^2 + \tan^3/\sec^2 + 2 \sin \cos$$

$$(\cos^3/\sin^3) \times \sin^2 + (\sin^3/\cos^3) \times \cos^2 + 2 \sin \cos$$

$$(\cos^3/\sin) + (\sin^3/\cos) + 2\text{sincos}$$

$$(\cos^4 + \sin^4)/(\sin.\cos) + 2\text{sincos}$$



$$((\cos^4 + \sin^4 + 2\sin^2 \cdot \cos^2))/(\sin \cdot \cos)$$

$$(\sin^2 + \cos^2)^2/(\sin \cdot \cos)$$

$$1/(\sin \cdot \cos)$$

$$\operatorname{cosec} \cdot \sec$$

Question 63 :

If the nine -digit number 7p5964q28 is completely divisible by 88 , What is the value of (p² - q), for the largest value of q, where p and q are natural number?

Difficulty : Moderate**Average Time : 86 Seconds****Options :**

1. 81

2. 9

3. 0

4. 72

Solution :

The correct answer is **option 4** i.e. **72**

Given :

Number (N) = 7p5964q28

N is divisible by 8 and 11

Concept used :

Divisibility rule of 8 and 11

Calculations :

Largest possible value of q to be divisible by 8 = 9

$$928/8 = 116$$

For, value of q = 9,

N is divisible by 11 when

$$(7 + 5 + 6 + 9 + 8) - (p + 9 + 4 + 2)$$



20 - p

If (20 - p) is divisible by 11 then p = 9

Put the value of p and q in the given equation below

$$p^2 - q$$

81 - 9

72

Question 64 :

Table shows the number of trees planted in 4 cities from 2016 to 2020. Years Chandigarh Ahmadabad Pune Kolkata 2016 1800 2500 1800 2000 2017 2500 2300 1850 1800 2018 2300 2400 1840 1760 2019 2440 1950 1900 1600 2020 2250 2100 2000 1750 In which year were the maximum number of trees planted?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 2016
2. 2020
3. 2017
4. 2018

Solution :

The correct answer is **option 3** i.e. **2017**

Calculations :

Number of trees planted in year 2016 = 1800 + 2500 + 1800 + 2000

8100

Number of trees planted in year 2017 = 2500 + 2300 + 1850 + 1800

8450

Number of trees planted in year 2018 = 2300 + 2400 + 1840 + 1760

8300

Number of trees planted in year 2019 = 2440 + 1950 + 1900 + 1600

7890



Number of trees planted in year 2020 = 2500 + 2300 + 1850 + 1800

8100

Hence, maximum number of trees are planted in year 2017

Question 65 :

Chamanlal ,Arshad and Jagjit Singh contested an election .All the votes polled were valid .Arshad got 35% of the total votes .For every 35 votes Chamanlal got 14 votes. The winner got 4950 more votes than the person who received the least number of votes. Find the total number of votes polled.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 99000
2. 33000
3. 13378
4. 38000

Solution :

The correct answer is **option 2** i.e. **33000**.

Given :

Arshad got 35% of the total votes

For every 35 votes, Chamanlal got 14 votes

The winner got 4950 more votes than the person who received the least number of votes

Calculations :

Let the total number of votes be x

Total votes Arshad got = $(35/100) \times x = 7x/20$

Total votes chamanlal got = $14 \times (x/35) = 2x/5$

Total votes jagjit got = $x - (7x/20 + 2x/5) = x/4$

Jagjit got less number of votes and Chamanlal won the election

$$2x/5 = x/4 + 4950$$

$$2x/5 - x/4 = 4950$$

$$(8x - 5x)/20 = 4950$$

$$3x/20 = 4950$$

$$x = 1650 \times 20$$

$$x = 33000$$

Therefore, the total number of votes polled is 33000

Question 66 :

AB is a diameter of circle. C and D are points on the opposite sides of the diameter AB, such that $\angle ACD = 25^\circ$. E is a point on the minor arc BD, Find the measures of $\angle BED$ (in degree).

Difficulty : Moderate

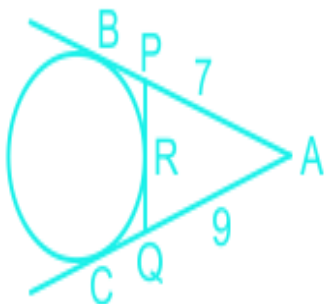
Average Time : 74 Seconds

Options :

1. 105
2. 125
3. 130
4. 115

Solution :

The correct answer is **option 4** i.e. **115**



Given :

AB is a diameter of circle.

C and D are points on the opposite sides of the diameter AB, such that $\angle ACD = 25^\circ$.

E is a point on the minor arc BD

Calculations :

$ACD = ABD = 25^\circ$ (angles formed on the same arc)

ADB is the right angled triangle as $ADB = 90^\circ$

In triangle ADB,

$$ADB + ABD + BAD = 180$$

$$90 + 25 + BAD = 180$$

$$BAD = 180 - (115)$$

$$BAD = 65^\circ$$

ABED is a cyclic quadrilateral such that

Sum of the opposite angles of a cyclic quadrilateral is 180°

$$BAD + BED = 180$$

$$BED = 180 - 65$$

$$\mathbf{BED = 115^\circ}$$

Question 67 :

Three shopkeepers A,B and C marked an identical articles at Rs 4820. A , B and C sold their articles on successive discounts of 20% and 20%;25% and 15%;30%and 10% respectively. What shopkeeper gives the maximum discount and how much (in Rs)?

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. C,1780
2. C,1783.40
3. B,1800
4. A,1735.20

Solution :

The correct answer is **option 2** i.e. **C,1783.40**

Given :

Marked price of the article = Rs 4820

Successive discounts by A, B and C are 20% and 20%; 25% and 15%; 30% and 10% respectively.

Formula used :

a and b are successive discounts, total discounts = $(a + b) - (ab/100)$ ----- (1)

Discount amount = (Marked price) \times (Discount%/100) ----- (2)

Calculations :

Using equation (1), we get

Total discount of A = $(20 + 20) - (400/100)$

$$40 - 4 = 36\%$$

Total discount of B = $(15 + 25) - (375/100)$

$$40 - 3.75 = 36.25\%$$

Total discount of C = $(30 + 10) - (300/100)$

$$40 - 3 = 37\%$$

Therefore, Shopkeeper C gave the maximum discount of 37%

Using equation (2)

Discount given by shopkeeper C = $((37)/100) \times 4820$

$$(37/100) \times 4280$$

Rs 1783.4

Question 68 :

Hridaya opened her piggy bank and found coins of denomination Rs1, Rs2, Rs5 and Rs10 in ratio 10: 5 : 2 : 1. If there are 72 coins in all , then how much money (in Rs) was there in the piggy bank in the form of coins?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. 100
2. 72
3. 160
4. 90

Solution :

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

Given :

Denomination of Rs1, Rs2, Rs5 and Rs10 in ratio 10: 5 : 2 : 1

Total number of coins = 72

Calculations :

Let the number of Rs1, Rs2, Rs5 and Rs10 coins be $10x$, $5x$, $2x$ and x .

$$10x + 5x + 2x + x = 72$$

$$18x = 72$$

$$x = 4$$

Number of coins of Rs1, Rs2, Rs5 and Rs10 are 40, 20, 8 and 4.

Total money in piggy bank

$$(40 \times 1) + (20 \times 2) + (8 \times 5) + (4 \times 10)$$

$$40 + 40 + 40 + 40$$

Rs 160

Question 69 :

A sum at a certain rate of simple interest becomes Rs 14880 after 3 years and Rs 16800 after 5 years. Find the simple interest on the same sum at 10% per annum for 4 years (in Rs).

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 5184

2. 4860

3. 4800

4. 4740

Solution :

The correct answer is **option 3** i.e. **4800**

Given :



Amount in 3 years = Rs 14880

Amount in 5 years = Rs 16800

Rate = 10%

Formula used :

Simple interest = $(P \times R \times T)/100$ ----- (1)

Amount = Principal + Simple interest

Where P = Principal, R = Rate and T = time period

Calculations :

Amount in 3 years = SI + P

Using equation (1)

$$14880 = P + ((P \times R \times 3)/100) \text{ ----- (2)}$$

Amount in 5 years = SI + P

$$16800 = P + ((P \times R \times 5)/100) \text{ ----- (3)}$$

Subtracting equation (2) from (3)

$$16800 - 14880 = 2PR/100$$

$$1920 = 2PR/100$$

$$PR = 96000 \text{ ----- (4)}$$

Using equation (4) in equation (3)

$$16800 = P + (96000 \times 5)/100$$

$$16800 = P + (4800)$$

$$P = 16800 - 4800$$

$$P = 12000$$

Using formula (1)

$$(12000 \times 10 \times 4)/100$$

Rs 4800

Question 70 :

From an external point A, two tangents AB and AC have been drawn to a circle touching the circle at B and C respectively. P and Q are points on AB and AC respectively such that PQ touches the circle at R. If AB = 11cm, AP = 7 cm and AQ = 9cm, then the length of PQ (in cm).

Difficulty : Moderate

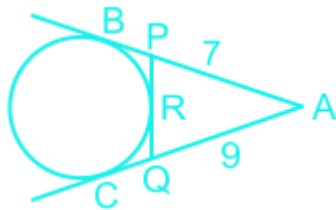
Average Time : 87 Seconds

Options :

1. 7
2. 5
3. 8
4. 6

Solution :

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



Given :

AB and AC are two tangents from external point A

AB = 11cm, AP = 7 cm and AQ = 9cm

P and Q are points on AB and AC respectively such that PQ touches the circle at R

Calculations :

AB = AC, BP = PR and CQ = RQ

Tangents drawn from the same external points are equal in lengths

AB = AC = 11cm

BP = AB - AP = 11 - 7 = 4cm

CQ = AC - AQ = 11 - 9 = 2cm

BP + CQ = 4 + 2 = 6cm



$$BP + CQ = PR + RQ = 6\text{cm}$$

$$PQ = PR + RQ = 6\text{cm}$$

Question 71 :

What is the ratio of the average of first eight prime number to the average of first even natural numbers?

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

1. 7 : 8
2. 1 : 7
3. 7 : 80
4. 7 : 70

Solution :

The correct answer is **option 1** i.e. **7 : 8**

Formula used :

$$\text{Average} = \frac{\text{Sum of observation}}{\text{Number of observations}} \quad \text{---- (1)}$$

Calculations :

First eight prime numbers = 2, 3, 5, 7, 11, 13, 17, 19

First ten even natural numbers = 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Using formula (1)

Average of eight prime numbers

$$(2 + 3 + 5 + 7 + 11 + 13 + 17 + 19)/8$$

$$77/8$$

Average of first 10 natural even numbers

$$(2 + 4 + 6 + 8 + 10 + 12 + 14 + 16 + 18 + 20)/10$$

$$110/10 = 11$$

Ratio of the average of first eight prime number to the average of first even natural numbers

$$77/8 : 11$$

7 : 8

Question 72 :

The following Pie chart represent the percentage - wise distribution of 300 students of class X in a school in six different section A. B. C. D. E. and F. The table given below the number of boys of class X in six different section A. B. C. D. E. and F. Section A B C D E F No. of boys 36 26 34 28 x 20 If in section E the ratio of the number of boys to the number of girls is 3 : 4 , then the ratio of number of boys in section E to the number of girls in section C is :

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

1. 23 : 18
2. 23 : 24
3. 24 : 23
4. 18 : 23

Solution :

The correct answer is **option 4** i.e. **18 : 23**

Calculations :

Total number of students in section E = $(14/100) \times 300$

42

Number of boys in section E = $(3/7) \times 42$

18

Total number of students in section C = $(19/100) \times 300$

57

Number of girls in section C = 57 - 34

23

The ratio of number of boys in section E to the number of girls in section C

18 : 23**Question 73 :**

A heap of wheat is in the form of a cone whose base diameter is 8.4 m and height is 1.75 m. The heap is to be covered by canvas. What is the area (in m²) of the canvas required ? (Use $\pi = \frac{22}{7}$)



Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 60.06
2. 60.6
3. 115.05
4. 115.5

Solution :

The correct answer is **option 1** i.e. **60.06**

Given :

Radius = 4.2 m

Height = 1.75 m

Formula used :

$$(\text{Slant height})^2 = (\text{radius})^2 + (\text{Height})^2 \quad \text{----- (1)}$$

$$\text{Curved surface area of cone} = rl \quad \text{----- (2)}$$

Calculations :

Using equation (1), we get

$$l^2 = (4.2)^2 + (1.75)^2$$

$$l^2 = 17.64 + 3.0625$$

$$l^2 = 20.7025$$

$$l = 4.55 \text{ m}$$

Using equation (2), we get

$$\text{Area of the canvas} = rl$$

$$(22/7) \times 4.2 \times 4.55$$

$$22 \times 0.6 \times 4.55$$

$$60.06 \text{ m}^2$$

Question 74 :



If $2\sin(3x - 15)^\circ = 1$, $0^\circ < (3x - 15) < 90^\circ$, then find the value of $\cos^2(2x + 15)^\circ + \cot^2(x + 15)^\circ$.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. $\frac{7}{2}$
2. 1
3. $-\frac{7}{2}$
4. $\frac{5}{2}$

Solution :

The correct answer is **option 1** i.e. $\frac{7}{2}$

Given :

$$2\sin(3x - 15)^\circ = 1 \text{ and}$$

$$0^\circ < (3x - 15) < 90^\circ$$

Calculations :

$$2\sin(3x - 15)^\circ = 1$$

$$\sin(3x - 15)^\circ = 1/2$$

$$3x - 15 = \sin^{-1}(1/2)$$

$$3x - 15 = 30$$

$$3x = 45$$

$$x = 15^\circ$$

Now, put the value of x in the equation given below

$$\cos^2(2x + 15)^\circ + \cot^2(x + 15)^\circ$$

$$\cos^2(2(15) + 15)^\circ + \cot^2(15 + 15)^\circ$$

$$\cos^2(45)^\circ + \cot^2(15 + 15)^\circ$$

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

$$1/2 + 3$$

$$7/2.$$

Question 75 :

If $(162x^2 + 813y^3) \div (22x + 33y) = Ax^2 + By^2 + Cxy$, then find the value of $2A - 3B - 26C$.

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

1. 25
2. 7
3. 137
4. 79

Solution :

The correct answer is **option 2** i.e. 7

Given :

$$(162x^2 + 813y^3) \div (22x + 33y) = Ax^2 + By^2 + Cxy$$

Formula used :

$$a^3 + b^3 = (a + b)(a^2 + b^2 - ab) \quad \text{----- (1)}$$

Calculations :

$$Ax^2 + By^2 + Cxy = (162x^2 + 813y^3) \div (22x + 33y)$$

Using equation (1)

$$Ax^2 + By^2 + Cxy = \frac{(2\sqrt{2}x + 3\sqrt{3}y)(8x^2 + 27y^3 - 6\sqrt{6}xy)}{(2\sqrt{2}x + 3\sqrt{3}y)}$$

$$Ax^2 + By^2 + Cxy = (8x^2 + 27y^3 - 6\sqrt{6}xy)$$

Comparing both the sides, we get

$$A = 8, B = 27 \text{ and } C = -66$$

Now put the value of A, B and C in the equation given below

$$2A - 3B - 26C$$

$$2(8) - 3(27) - 26(-66)$$

$$16 - 81 + 72$$

$$7$$

**Question 76 :**

Radha purchased a computer table for Rs 10000 and a center table for Rs 5000. She sold Computer table with 8% profit. With what profit percent should she sell the Center table so as to gain 10% on the whole transaction?

Difficulty : Moderate**Average Time : 95 Seconds****Options :**

1. 12%
2. 10%
3. 14%
4. 18%

Solution :

The correct answer is **option 3** i.e. **14%**

Given :

Cost price of computer table = Rs 10,000

Cost price of center table = Rs 5000

Profit percent on computer table = 8%

Overall profit percent = 10%

Formula used :

Profit = Selling price - Cost price ----- (1)

Profit percent = (Profit/cost price) × 100 ----- (2)

Selling price = ((100 + p%)/100) × Cost price ----- (3)

Calculations :

Using equation (3)

Selling price of computer table = ((100 + 8)/100) × 10000

(108/100) × 10000

10800

Cost price of computer table and center table = 10000 + 5000



15000

Selling price of both computer and center table = $(110/100) \times 15000$

16500

Selling price of center table = selling price of both tables - selling price of computer table

$16500 - 10800$

5700

Using equation (1)

Profit on center table = $5700 - 5000$

700

Using equation (2)

Profit percent on center table = $(700/5000) \times 100$

14%

Question 77 :

Select the most appropriate meaning of the following idiom. To the nines

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. To perfection
2. To great depths
3. To be exalted
4. To be jealous

Solution :

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

The meaning of the given idiom "**To the nines**" is **to perfection** or the **highest level**.

Question 78 :

Select the option that expresses the given sentence in indirect speech. The teacher said, "Man is mortal."

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. The teacher said that man was mortal.
2. The teacher instructed that man was mortal.
3. The teacher said that men were mortal.
4. The teacher said that man is mortal.

Solution :

The correct answer is **Option 4 i.e. The teacher said that man is mortal.**

- The given sentence is in Direct Speech.
- **The reported verb is in the past tense but the reported speech is the universal truth as it says that "Man is mortal".**
- **Hence the tense of the reported speech will remain unchanged.**

The correct sentence-

The teacher said that man is mortal.

Question 79 :

Select the most appropriate option to fill in the blank. I read some _____ of properties for sale on the Internet before I called the agent.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. spaces
2. monologues
3. arguments
4. descriptions

Solution :

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

The meaning of the given options is-

- **spaces:** an empty area that is available to be used.
- **monologues:** something that tells you to want something or someone like.
- **arguments:** a long speech by one person
- **descriptions:** a disagreement, or the process of disagreeing



According to the above given meanings '**descriptions**' will be used to make the sentence meaningful both contextually and grammatically.

The correct sentence-

I read some descriptions of properties for sale on the Internet before I called the agent.

Question 80 :

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. There are many secondary reasons as well along with increasing levels of carbon. B. The term is used to describe the unnatural rise in the earth's average temperature. C. Increased carbon dioxide is the primary driver of global warming. D. Global warming is the single biggest threat to life on earth today.

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. DABC
2. DBCA
3. ABCD
4. ACBD

Solution :

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

- The best way of solving such a question is by finding an **opening statement** followed by finding **pairs**.
- **Sentence D** is the opening sentence of the paragraph and tells us what is the biggest threat on earth right now.
- **Sentence D** is followed by **Sentence B** as this sentence gives the definition of Global warming.
- **Sentence B** is followed by **Sentence C** as this sentence tells us what is the primary thing which drives global warming.
- **Sentence A** will be the ending statement as this sentence gives a hint of what are the other things that can affect global warming.

The correct paragraph-

Global warming is the single biggest threat to life on earth today. The term is used to describe the unnatural rise in the earth's average temperature. Increased carbon dioxide is the primary driver of global warming. There are many secondary



reasons as well along with increasing levels of carbon.

Question 81 :

Select the option that can be used as a one-word substitute for the given group of words. A large bedroom for a number of people in a school or institution.

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

1. Creche
2. Hostel
3. Dormitory
4. Assembly

Solution :

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

The meaning of other words is-

- **Creche:** a nursery where babies and young children are cared for during the working day.
- **Hostel:** an establishment that provides inexpensive food & lodging for a specific group of people, such as students, workers, or travelers.
- **Dormitory:** a large bedroom for a number of people in a school or institution.
- **Assembly:** a group of people gathered together in one place for a common purpose.

Question 82 :

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. This awareness has motivated everyone to go for physical exercise. B. These days people are more aware of their health. C. In addition to physical exercises, some prefer taking health supplements too. D. It is advisable, but one should consult a trainer/doctor before consuming health supplements.

Difficulty : Moderate**Average Time : 72 Seconds****Options :**

1. BACD
2. DBCA
3. ADBC



BADC

Solution :

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

- The best way to solve these questions is by finding either the **opening sentence** or **pairs of sentences**.
- The opening sentence will be **Sentence B** which tells about the people who are more aware of their health.
- **Sentence B** will be followed by **Sentence A**, which tells us that the awareness motivated the people who are involved in the physical existence.
- The third sentence will be **Sentence C** following **Sentence A** tells us that some people prefer taking supplements that can or cannot be harmful.
- The fourth sentence will be **Sentence D** following **Sentence C**, as this sentence tells us that we need to get advice from our doctor before consuming any health supplements.

The correct paragraph will be-

These days people are more aware of their health. This awareness has motivated everyone to go for physical exercise. In addition to physical exercises, some prefer taking health supplements too. It is advisable, but one should consult a trainer/doctor before consuming health supplements.

Question 83 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. Perfectionist
2. Pessymist
3. Optimist
4. Fatalist

Solution :

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

The correct spelling is **Pessimist**.

The meaning of the given options are-

- **Perfectionist:** A person who likes to do things with utmost perfection.
- **Pessimist:** A person who has a negative approach towards things.
- **Optimist:** A person who has a positive approach to things.



Fatalist: A person who advances the idea that all events are naturally predetermined or subject to fate.

Question 84 :

Select the option that expresses the given sentence in passive voice. The postman had delayed the letter.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. The letter had been delayed by the postman.
2. The letter had delayed the postman.
3. The letter was delayed by the postman.
4. The postman had been delayed by the letter.

Solution :

The correct answer is **option 1** i.e. **The letter had been delayed by the postman.**

- The subject '**the postman**' will become the **object** while converting in the passive voice.
- The object '**the letter**' will become the subject in the passive voice.
- The tense **past perfect tense** will change as per the following rules:
 - Active voice - **Subject + had +V3+Object**
 - Passive voice - **Object + had + been + V3 + Subject**

The correct passive voice of the given sentence-

The letter had been delayed by the postman.

Question 85 :

Select the most appropriate synonym of the given word. Rejuvenate

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Retell
2. Refresh
3. Reset



Retake

Solution :

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

The meaning of the given words is-

- **Rejuvenate**- give new energy or vigor to; revitalize.
- **Retell**- tell again or differently.
- **Reset**- set again or differently.
- **Retake**- take (something) again.

Clearly, the most accurate synonym for **rejuvenate** is **refresh**.

Question 86 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Profuse
2. Virtuous
3. Luxuribus
4. Recluse

Solution :

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

The correct spelling is **Luxurious**.

The meaning of the other words is -

- **Profuse**: very plentiful; abundant
- **Virtuous**: having or showing high moral standards.
- **Luxurious**: extremely comfortable or elegant, especially when involving great expense.
- **Recluse**: a person who lives a solitary life and tends to avoid other people.

Question 87 :

Select the most appropriate ANTONYM of the given word. Elated

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Excited
2. Depressed
3. Proud
4. Thrilled

Solution :

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

The meaning of the given words are:

- **Elated:** Ecstatically happy
- **Excited:** very enthusiastic & eager
- **Depressed:** a state of unhappiness & despondency
- **Proud:** a feeling of deep pleasure or satisfaction as a result of something
- **Thrilled:** a sudden feeling of excitement or pleasure.

Hence, the most appropriate antonym for **elated** is **depressed**.

Question 88 :

Select the most appropriate synonym of the given word. Chaos

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Fusion
2. Tension
3. Confusion
4. Dirt

Solution :

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



The meaning of the given words:

- **Chaos:** a state of total confusion with no order.
- **Fusion:** an occasion when two or more things join or are combined.
- **Confusion:** a situation in which people do not understand what is happening, what they should do, or who someone or something is.
- **Tension:** a feeling of nervousness before an important or difficult event.
- **Dirt:** dust, soil, or any substance that makes a surface not clean.

Clearly, the word **confusion** is the most appropriate meaning of the word **Chaos**.

Question 89 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Sholay is one in the most popular Hindi movies.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. is one of the most popular
2. No substitution
3. is one in the more popular
4. is in the most popular

Solution :

The correct answer is **option 1** i.e. **is one of the most popular**

The correct replacement will be **is one of the most popular**.

Sholay is the subject of the sentence & is a proper noun, so a **singular verb** will be used.

The phrase **one of the** is used when we have to select from a pool of options, for example, why the noun written after the preposition is always in the plural form.

The correct sentence is-

Sholay is one of the most popular Hindi movies.

Question 90 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Much of the truth about the mysterious death of her pet was not revealed.

Difficulty : Moderate

Average Time : 69 Seconds



Options :

1. have not revealed
2. were not being revealed
3. No substitution
4. were not revealed

Solution :

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

The underlined phrase need not be changed.

- 'Truth' is the subject of the sentence, hence the usage of 'much' being an uncountable noun is correct.
- Mysterious death is the propositional object, hence the usage of 'about' is also correct.
- Similarly, 'of' is a proposition & 'her pet' is a propositional object.
- Clearly, all the words are accurately placed both contextually and grammatically.

Hence, no correction is required in the given sentence.

Question 91 :

Select the option that can be used as a one-word substitute for the given group of words. A group of people, typically with vehicles or animals, traveling together.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Troop
2. Gang
3. Circus
4. Caravan

Solution :

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

The meaning of the given options is:

1. **Troop**: a group of soldiers
2. **Gang**: an organized group of criminals.
3. **Circus**: a traveling company of acrobats, clowns, and other entertainers
4. **Caravan**: A group of people, typically with vehicles or animals, traveling together.



Clearly, out of the given options, **Caravan** is the most appropriate option.

Question 92 :

Select the most appropriate meaning of the following idiom. Apple of one's eye

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Someone who plays all sports
2. Someone very precious or dear
3. Someone who behaves courteously
4. Someone with great respect

Solution :

The correct answer is **option 2** i.e. **Someone very precious or dear**

The most appropriate meaning of the given idiom 'apple of my eyes' is 'Very dear'.

Apple of one's eye: the person who someone loves the most and is very proud of.

Question 93 :

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. "Would you liked / to have / some fries / along with your coffee, / sir?" / asked the waiter.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. asked the waiter
2. along with your coffee
3. Would you liked
4. some fries

Solution :

The correct answer is **option 3** i.e. **Would you liked**.

- The use of word **liked** which is in past tense is wrong.
- The sentence is in present tense, so liked cannot be used.



The correct sentence is:

Would you like to have some fries along with your coffee, sir?" asked the waiter

Question 94 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The supervisor / wanted to know / the pros and cons / of the issue.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. wanted to know
2. the pros and cons
3. The supervisor
4. of the issue

Solution :

The correct answer is **option 1** i.e. **wanted to know**

- **Wanted to know** is grammatically incorrect,
- Replace **known** with **know** to make the sentence grammatically correct.
- **To know** is the infinitive form.
- **known** is the past participle form.

The correct sentence is-

The supervisor wanted to know the pros and cons of the issue.

Question 95 :

Select the most appropriate option to fill in the blank. The jungle was nearly _____, so the progress was slow.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. immaterial
2. immortal
3. immobile
4. impenetrable

Solution :



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

The meaning of the given options is as follows:

1. **immaterial**: unimportant under the circumstances; irrelevant.
2. **immortal**: living forever; never dying or decaying.
3. **immobile**: not moving; motionless.
4. **impenetrable**: impossible to pass through or enter.

Clearly, out of the given options, **impenetrable** is the most appropriate filler for the given blank.

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. It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

Question 96 :

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

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. development
2. maturity
3. progress
4. ripening

Solution :

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

- The entire paragraph is in a positive tone.
- The opening statement talks about the formation of the link between formal education and skill betterment.

Hence, a word synonymous with betterment will be a suitable filler for the blank.

**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. It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

Question 97 :

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

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. needless
2. essential
3. external
4. domestic

Solution :

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

The tone of the sentence is positive. This particular sentence talks about the benefits of multidisciplinary and personality enhancement skills.

The word **essential** means **necessary or needed**.

Hence, essential is the most appropriate filler for the given blank.

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. It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

Question 98 :

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

Difficulty : Moderate

Average Time : 66 Seconds



Options :

1. settled
2. related
3. introduced
4. improved

Solution :

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

- The given sentence is talking about reforms for higher education being made.
- Clearly, we will have to use a synonym of made to make sense of the sentence both grammatically and contextually.
- Out of the given options **introduced** makes more sense.

The correct sentence will be-

Many reforms are being **introduced** in higher education

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. It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

Question 99 :

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

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. need
2. urgency
3. charge
4. duty

Solution :

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



Clearly, the sentence talks about the various reforms made for higher education to co-relate academics to various service sectors.

- The word '**need**' refers to **the state of being necessary**.

Clearly, **need** is the most suitable filler for the blank.

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. It is essential to form a link between formal education and skill (1)_____. Multidisciplinary and personality enhancement skills are the (2)_____ requirements of every sector. Many reforms are being (3)_____ in higher education to co-relate academics to the (4)_____ of various service sectors. Innovative models can help to (5)_____ the varied needs of skilled and unskilled labour.

Question 100 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. meet
2. meeting
3. met
4. meets

Solution :

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

- The tone of the passage is positive. Therefore, we should avoid using any word with a negative essence.
- Innovative models will definitely lead to the improvement of both skilled and non-skilled labour.
- We need to use the first and the singular form of the verb to make it grammatically right.

Clearly, **meet** is the most appropriate filler for the given blank.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-16 in the Afternoon exam is as follows:

1. 100 questions were moderate.



The safe score is 140 marks.

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

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Logical Reasoning

- Coding Decoding - 2
- Mirror Image - 1
- Analogy - 3
- Classification - 3
- Blood Relations - 1
- Syllogism - 1
- Venn Diagrams - 1
- Analytical Reasoning - 3
- Dictionary Based - 1
- Figure Based - 1
- Matrix - 2
- Series - 2
- Mathematical Reasoning - 2
- Cubes And Dice - 1

English Language

- Reading Comprehension - 2
- Grammar - 1
- Vocab - 3
- Cloze Test - 4
- Spotting Error - 2
- Parajumbles - 2
- Idioms - 2
- One Word Substitution - 2
- Spellings - 2
- Fillers - 2

Narration - 1

12. Voice - 1

General Awareness

1. GK Misc - 25

Quantitative Aptitude

1. Percentage - 1

2. Quadratic Equation - 24

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks



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

Daily Current Affairs

Page No: 77

Follow us on



Address : 1997, Mukherjee Nagar, 110009

Email : online@kdcampus.org

Call : +91 95551 08888

Download the App





KD Live is providing [Current Affairs](#) on a daily basis for SSC and a [Current Affairs Quiz](#) too for the practice.

KD Live Free Offerings



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

- [Study Plan](#)
- [General Science](#)
- [General Awareness](#)
- [General Knowledge](#)
- [Quantitative Aptitude](#)
- [Logical Reasoning](#)

English Language
Today In History
Syllabus
Know Your State
Know Your Country
Know Your City
Know Your Leader
Books And Authors
Daily Vocabulary
Daily Editorial
Latest Notifications
Exam Dates
Admit Card
Exam Results
Exam Cutoff
Exam Eligibility
Exam Pattern
Answer Key
Important Days



Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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

About KD Live

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

About Neetu Mam

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