

Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2022-12-02 in the Evening exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :

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

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. SQO
2. YWU
3. MKI
4. GED

Solution :

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

The logic used here is:

1st letter - 2 = 2nd letter

2nd letter - 2 = 3rd letter

Option 1: SQO

S - 2 = Q

Q - 2 = O



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This follows the logic.

Option 2: YWU

$$Y - 2 = W$$

$$W - 2 = U$$

This follows the logic.

Option 3: MKI

$$M - 2 = K$$

$$K - 2 = I$$

This follows the logic.

Option 4: GED

$$G - 2 = E$$

$$E - 2 = C$$

This does not follow the logic.

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

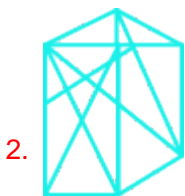
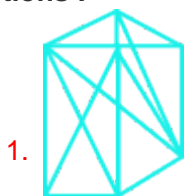
Question 2 :

Select the option figure in which the given figure (X) is embedded as its part (rotation is not allowed).

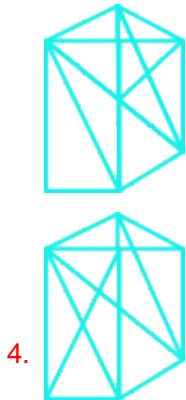
Difficulty : Moderate

Average Time : 66 Seconds

Options :



3.



Solution :



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

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



Question 3 :

In a certain code language, 'feel at home' is coded as '424', 'check the laundry' is coded as '537', and 'open the door' is coded as '434'. How will 'the kite is flying' be coded in that language?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 2315
2. 3251
3. 4362
4. 3426

Solution :

The correct answer is **option 4** i.e. **3426**.

The logic used here is:

'feel at home' is coded as '424'

'check the laundry' is coded as '537'

'open the door' is coded as '434'

Code for the each word = Number of letters in the word

Code for the phrase "the kite is flying" = 3426

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


Question 4 :

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

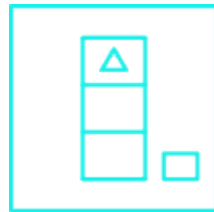
Difficulty : Moderate

Average Time : 49 Seconds

Options :

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

Solution :



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

The logic used here is:

1. The small square is shaded alternatively.
2. The triangle in the strip is shifted in the reverse direction starting from the bottom.

The series of figures is:



Question 5 :

Which letter cluster will replace the question mark (?) to complete the given series? MBTN, KCSP, IDRR, ?, EFPV

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. GERT
2. GEQT
3. GEQU
4. GEQS

Solution :

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

Given series: MBTN, KCSP, IDRR, ?, EFPV

The series follows this pattern:

MBTN, KCSP

$M - 2 = K$

$$B + 1 = C$$

$$T - 1 = S$$

$$N + 2 = P$$

KCSP, IDRR

$$K - 2 = I$$

$$C + 1 = D$$

$$S - 1 = R$$

$$P + 2 = R$$

IDRR, ?

$$I - 2 = G$$

$$D + 1 = E$$

$$R - 1 = Q$$

$$R + 2 = T$$

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

Question 6 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. (405 – 400 –395)
2. (700 – 690 –685)
3. (550 – 545 –540)
4. (620 – 615 –610)

Solution :

The correct answer is **option 2** i.e. (700 –690 –685).

The logic used here is:



1st letter - 5 = 2nd letter

2nd letter - 5 = 3rd letter

Option 1: (405 – 400 –395)

405 - 5 = 400

400 - 5 = 395

This follows the logic.

Option 2: (700 – 690 –685)

700 - 5 = 695

695 - 5 = 690

This does not follow the logic.

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

Question 7 :

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
LMR, PUA, TCJ, XKS, ?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. CMQ

2. ARA

3. SMR

4. BSB

Solution :

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

Given series: LMR, PUA, TCJ, XKS, ?

The series follows this pattern:

LMR, PUA

L + 4 = P

$M + 8 = U$

$R + 9 = A$

Similarly;

XKS,?

$X + 4 = B$

$K + 8 = S$

$S + 9 = B$

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

Question 8 :

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

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. s p ε τ θ w b ε
2. s d ε τ θ w b ε
3. s p ε τ θ w b ε
4. s d ε λ θ w b ε

Solution :

The correct answer is **option 1** i.e. s p ε τ θ w b ε.

The mirror image of the question figure is shown below:



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

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

Question 9 :



Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1- Kinglet 2- Kingship 3- Kingdom 4- Kinsfolk 5- Kingly

Difficulty : Moderate

Average Time : 77 Seconds

Options :

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

Solution :

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

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

- 1- Kingdom
- 2- Kinglet
- 3- Kingly
- 4- Kingship
- 5- Kinsfolk

Question 10 :

Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number. 687: 612:: 713:? :: 621: 546

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 656
2. 674
3. 662
4. 638

Solution :

The correct answer is **option 4** i.e. **638**.

The logic used here is:

$$687 : 612$$

$$687 - 612 = 75$$

$$621 : 546$$

$$621 - 546 = 75$$

Similarly,

$$713 : ?$$

$$713 - 75 = 638$$

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

Question 11 :

In a certain code language, 'EAGER' is written as 'AEHRE', and 'GIRLS' is written as 'IGSSL'. How will 'ISSUE' be written in that language?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

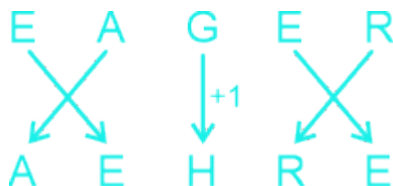
1. ISTEU
2. ISTUE
3. SITEU
4. ISSEU

Solution :

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

The logic used here is:

'EAGER' is written as 'AEHRE'

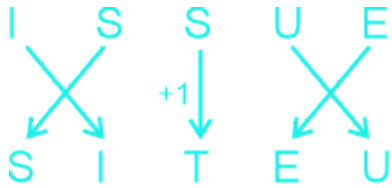


'GIRLS' is written as 'IGSSL'



Similarly;

Code for the word ISSUE:



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

Question 12 :

By interchanging the given two signs which of the following equation will be not correct? – and x

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. $7 \times 2 + 27 \div 9 - 4 = 18$
2. $11 + 6 \times 3 - 8 \div 2 = 5$
3. $7 \times 8 + 4 \div 2 - 6 = 11$
4. $5 - 6 \times 3 + 16 \div 4 = 31$

Solution :

The correct answer is **option 1** i.e. $7 \times 2 + 27 \div 9 - 4 = 18$.

Given equation: – and x

Option 1: $7 \times 2 + 27 \div 9 - 4 = 18$

After interchanging the expression becomes:

$$= 7 - 2 + 27 \div 9 \times 4 = 18$$

$$= 7 - 2 + 3 \times 4$$

$$= 7 - 2 + 12$$

= 17 is not equal to 18.

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

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

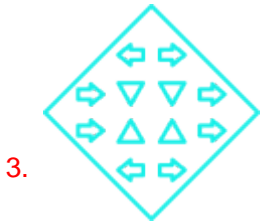
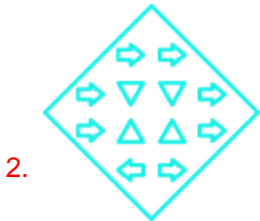
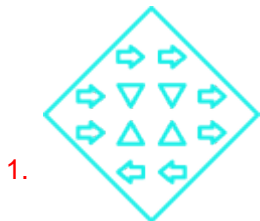
Question 13 :

A paper is cut and folded as shown below. How will it appear when unfolded?

Difficulty : Moderate

Average Time : 55 Seconds

Options :



Solution :

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



After unfolding, the paper will appear as follows:



Question 14 :

Select the word pair that best represents a similar relationship to the one expressed in the given pair of words. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word) Hen: Coop

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Horse: Field
2. Bee: Hive
3. Elephant: Leaves
4. Cow: Hay

Solution :

The correct answer is **option 2** i.e. **Bee: Hive**.

The logic used here is:

Hen: Coop

Hens are kept in a coop.

Similarly,

Bee: Hive

Bees are kept in a hive.

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

Question 15 :

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

Difficulty : Moderate

Average Time : 46 Seconds

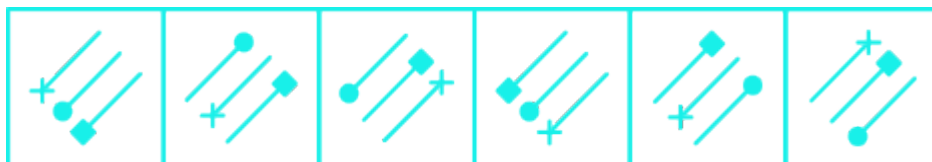
Options :



Solution :



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



Line with cross:

Shifts downward then upward direction.

Become upward-pointed in every third step.

Line with a shaded square:

Shifts after every third image in the upward and downward direction.

Rotate 180 degrees after every third image.

Line with a shaded circle:

Shifts after every third image in the upward and downward direction.

Rotate 180 degrees after every third image.

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

Question 16 :

If $A \times B$ means that A is the father of B, $A - B$ means that A is the mother of B, $A \div B$ means that A is the brother of B. Then which of the following expression shows that P is the father of R?

Difficulty : Moderate

Average Time : 92 Seconds

Options :

1. $P \div Q \times R$
2. $P \times Q \div R$
3. $P \times Q - R$
4. $P \times R \div Q$

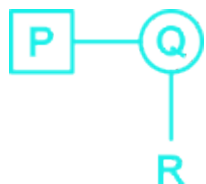
Solution :

The correct answer is **option 2** i.e. $P \times Q \div R$.

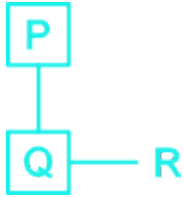
In the diagram shown;

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

Option 1: $P \div Q \times R$



Option 2: $P \times Q \div R$



From the above figure, P is the father of R.

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

Question 17 :

Select the set in which the numbers are related in the same way as are the numbers of the following set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)
(3, 2, 35) (1, 4, 65)

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. (7, 2, 351)
2. (3, 2, 31)
3. (5, 4, 41)
4. (6, 8, 224)

Solution :

The correct answer is **option 1** i.e. (7, 2, 351).

The logic used here is:

(3, 2, 35)

$$3^3 + 2^3 = 27 + 8 = 35$$

(1, 4, 65)

$$1^3 + 4^3 = 1 + 64 = 65$$

Similarly,

(7, 2, 351)

$$7^3 + 2^3 = 343 + 8 = 351$$

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

Question 18 :



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

Difficulty : Moderate

Average Time : 60 Seconds

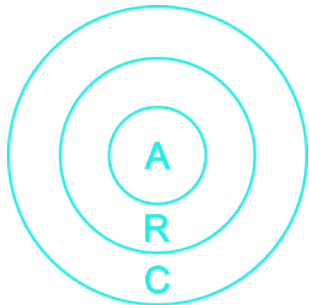
Options :

1. All conclusion follows
2. Both conclusions II and III follows
3. Both conclusions I and III follows
4. Both conclusions I and II follows

Solution :

The correct answer is **option 4** i.e. **Both conclusions I and II follows.**

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



Conclusions:

- I. All A are C **True** (As all A are R, and all R are C, so, all A are C is true.)
II. Some R are A **True** (As all A are R, so, some R are A is true.)
III. No C is R **False** (It is possible, but no definite conclusion can be drawn.)

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

Question 19 :

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



Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. Chop
2. Serve
3. Slice
4. Spread

Solution :

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

The logic used here is:

Knife: Cut

A knife is used for cutting.

Similarly,

Ladle:?

A ladle is used for serving food.

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

Question 20 :

Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

$$25 * 5 * 10 * 2 * 13$$

Difficulty : Moderate

Average Time : 44 Seconds

Options :

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

Solution :

The correct answer is **option 1** i.e. $\div, +, , =$.

Given equation: $25 * 5 * 10 * 2 * 13$

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

After interchanging the expression becomes:

$$= 25 \div 5 + 10 - 2 = 13$$

$$= 5 + 10 - 2$$

= 13 is equal to 13.

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

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

Question 21 :

Three 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 tomatoes are peas. Some peas are potatoes. All potatoes are fruits. Conclusions: I. Some tomatoes are potatoes. II. Some fruits are potatoes. III. Some peas are fruits.

Difficulty : Moderate

Average Time : 65 Seconds

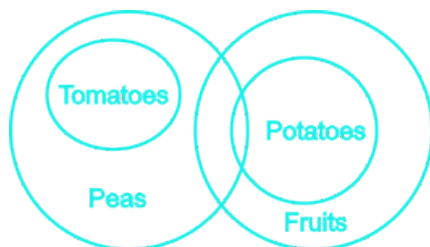
Options :

1. All conclusions follow.
2. Only conclusions I and III follow.
3. Only conclusions II and III follow.
4. Only conclusions I and II follow.

Solution :

The correct answer is **option 3** i.e. **Only conclusions II and III follow.**

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



Conclusions:

- I. Some tomatoes are potatoes **False** (It is possible, but no definite conclusion can be drawn).
- II. Some fruits are potatoes **True** (As all potatoes are fruits, so fruits are potatoes is true.)
- III. Some peas are fruits **True** (As some peas are potatoes and all potatoes are fruits, so, some peas are fruits is true.)

Hence, **Only conclusions II and III follow.**

Question 22 :

'A @ B' means 'A is the husband of B'. 'A & B' means 'A is the father of B'. 'A # B' means 'B is the son of A'. If K # L & M @ N # P, then how is P related to K?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

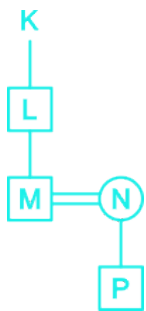
- 1. Father
- 2. Son
- 3. Son's son
- 4. Son's son's son

Solution :

The correct answer is **option 4** i.e. **Son's son's son.**

In the diagram shown;

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



From the above figure, P is the son's son's son of K.

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

Question 23 :

By interchanging the given two signs which of the following equation will be not correct? – and ÷



Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. $20 \times 8 - 4 \div 2 + 7 = 50$
2. $35 - 5 + 8 \div 4 \times 3 = 3$
3. $10 + 8 \times 6 - 4 \div 2 = 20$
4. $12 - 4 + 11 \times 3 \div 8 = 28$

Solution :

The correct answer is **option 1** i.e. $20 \times 8 - 4 \div 2 + 7 = 50$.

Given condition: – and \div

Option 1: $20 \times 8 - 4 \div 2 + 7 = 50$

After interchanging the expression becomes:

$$= 20 \times 8 \div 4 - 2 + 7 = 50$$

$$= 20 \times 2 - 2 + 7$$

$$= 40 - 2 + 7$$

$$= 45 \text{ is not equal to } 50.$$

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

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

Question 24 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. First row: 18, 9, 27
Second row: 40, 36, 140 Third row: 40, 13, ? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 53
2. 54



25

4. 45

Solution :

The correct answer is **option 3** i.e. **25**.

The logic used here is:

Row 1: 18, 9, 27

$$9 \times 5 = 45$$

$$45 - 18 = 27$$

Row 2: 40, 36, 140

$$36 \times 5 = 180$$

$$180 - 40 = 140$$

Row 3: 40, 13, ?

$$13 \times 5 = 65$$

$$65 - 40 = 25$$

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

Question 25 :

Which of the following numbers will replace the question mark (?) in the given series? 29, 33, ?, 113, 369

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

1. 55

2. 51

3. 54

4. 49

Solution :

The correct answer is **option 4** i.e. **49**.

Given series: 29, 33, ?, 113, 369



The series follows this pattern:

$$29 + 2^2 = 29 + 4 = 33$$

$$33 + 4^2 = 33 + 16 = 49$$

$$49 + 8^2 = 49 + 64 = 113$$

$$113 + 16^2 = 113 + 256 = 369$$

So, the missing term in the series is **49**.

Question 26 :

Which of the following players is associated with boxing?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Archana Kamat
2. Lovlina Borgohain
3. Hima Das
4. Monica Batra

Solution :

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

- Lovlina Borgohain is an Indian amateur boxer who is the first woman from Assam to qualify for the Olympics.
- The Olympic medallist Assam boxer won her maiden World Championships gold after two bronze wins.
- Indians across the world are currently in celebration mode as Indian boxer Lovlina Borgohain marked a power-packed return by bagging the World Champion title at the Women's World Boxing Championships.

Question 27 :

Who among the following Indian music directors won the Best Original Score at Amsterdam International Film Festival in 2022?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. A.R.Rahman
2. Santosh Narayanan

Harris Jayaraj

4. Ilaiyaraaja

Solution :

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

- Isaignani Ilaiyaraaja wins Best Original Score at Amsterdam International Film Festival.
- One of India's greatest music directors Isaignani Ilaiyaraaja has won the award for Best Original Score at the Amsterdam International Film Festival.

Question 28 :

In 2015, the Planning Commission was replaced with the _____.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Monetary Policy Committee
2. Competition Commission of India
3. NaBFID
4. NITI Aayog

Solution :

The correct answer is **Option 4** i.e. **NITI Aayog**.

- Prime Minister Narendra Modi replaced the 65-year-old Planning Commission with NITI (National Institution for Transforming India) Aayog.
- The new body was headed by the PM while all chief ministers (CMs) will be on its governing council to evolve national development priorities with the involvement of states.
- PM to head NITI Aayog and all CMs will be on its governing council to evolve national development priorities with the involvement of states.
- It will have a vice-chairperson and CEO in addition to five full-time members and two part-time members, and four Union ministers would serve as ex-officio members.

Question 29 :

Which of the following is an organic compound with the formula $\text{CH}_3\text{OC}_6\text{H}_5$ used as a perfume, fragrance and solvent?

Difficulty : Moderate

Average Time : 65 Seconds

**Options :**

1. Anisole
2. Toluene
3. Acetophenone
4. Aniline

Solution :

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

- Anisole is a monomethoxybenzene that is benzene substituted by a methoxy group.
- It has a role as a plant metabolite. ChEBI.
- Anisole is a natural product found in *Peristeria elata*, *Phallus impudicus*, and other organisms with data available.

Question 30 :

_____ in a particular direction is velocity.

Difficulty : Moderate**Average Time : 41 Seconds****Options :**

1. Acceleration
2. Displacement
3. Speed
4. Distance

Solution :

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

- Speed of the body in a particular direction can be called velocity.
- Speed is a scalar quantity and does not keep track of direction; velocity is a vector quantity and is direction aware.
- Velocity is a vector quantity that refers to "the rate at which an object changes its position."

Question 31 :

Birju Maharaj was awarded which of the following awards in 2012?

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

1. Sangam Kala Award



Filmfare Award

3. National Film Award

4. Sangeet Natak Akademi Award

Solution :

The correct answer is **Option 3** i.e. **National Film Award**.

- Birju Maharaj has won 2 awards - Filmfare Award in 2016 and National Award in 2012.
- In 2012, Maharaj won the National Award for Best Choreography for his work in Vishwaroopam.
- Pandit Birju Maharaj has won several honors and awards including the coveted Padma Vibhushan (1986).

Question 32 :

Which of the following is commonly known as Quicklime?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. CaSO_4
2. CaCl_2
3. Ca(OH)_2
4. CaO

Solution :

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

- Quicklime, also referred to as lime (calcium oxide (CaO)), is derived from high quality, natural deposits of limestone (calcium carbonate (CaCO_3)).
- Quicklime is also used for water treatment. Since it is an alkaline, it is used to adjust the pH levels of drinking water, lowering the acidity to make water potable.
- In the site work industry, quicklime is used for soil modification to dry and strengthen soils with a high plasticity rating such as fatty clay.

Question 33 :

Which road plan in India was the first attempt for the Road Development Programme between 1943-1963?

Difficulty : Moderate

Average Time : 56 Seconds

Options :



Poona Road Plan

2. Nagpur Road Plan

3. Bombay Road Plan

4. Lucknow Road Plan

Solution :

The correct answer is **Option 2** i.e. **Nagpur Road Plan**.

- The First Road Development Plan (Nagpur Plan) was formulated in 1943.
- After independence, the First Five-Year Plan (1951-56) classified roads into National Highways, State Highways, District Roads, and Village Roads.

Question 34 :

In August 2022, the "SMILE-75 Initiative" was launched by Ministry of Social Justice & Empowerment. What is the objective of this scheme?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. To provide education and training to the weaker sections of the society
2. To improve immunisation coverage for children and pregnant women in India
3. To accelerate the development of biopharmaceuticals
4. To make our cities/town and municipal areas begging-free.

Solution :

The correct answer is **Option 4** i.e. **To make our cities/town and municipal areas begging-free**.

- The "SMILE-75 Initiative" was launched by Union Minister for Social Justice & Empowerment Dr. Virendra Kumar at a Shelter Home (Rain Basera) near Nizamuddin Metro Station in New Delhi.
- The identified 75 Municipal Corporations, experts from the field of beggary and eminent NGOs will participate in this nationwide launch through online and offline mode.
- The objective of SMILE- 75 is to make our cities/town and municipal areas begging-free and make a strategy for comprehensive rehabilitation of the persons engaged in the act of begging through the coordinated action of various stakeholders.

Question 35 :



In which year were the 73rd and 74th amendments passed by the Parliament?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 1989
2. 1992
3. 1990
4. 1995

Solution :

The correct answer is **Option 2** i.e. **1992**.

- 73rd and 74th Constitutional Amendments were passed by Parliament in December, 1992.
- Through these amendments local self-governance was introduced in rural and urban India.
- The 73rd and 74th constitutional amendments were introduced in parliament in September, 1991 by the government of Prime Minister Narasimha Rao of the Congress(I) Party.

Question 36 :

Roshan Kumari is an exponent of which Indian classical dance form?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Kathak
2. Odissi
3. Bharatanatyam
4. Kathakali

Solution :

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

- Roshan Kumari Fakir Mohammad is an Indian classical dancer, actor and choreographer, considered by many as one of the foremost exponents of the Indian classical dance form of Kathak.
- She follows the Jaipur Gharana and is the founder of Nritya Kala Kendra, Mumbai, an academy promoting Kathak.
- A recipient of the Sangeet Natak Akademi Award in 1975, she received the fourth highest Indian civilian honour of Padma Shri from the Government of India in 1984.

**Question 37 :**

Where is the Sair-E-Gul Faroshan festival held?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Mussoorie
2. Mumbai
3. Delhi
4. Shimla

Solution :

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

- Sair-e-Gul-Faroshan is celebrated in the capital Delhi. The festival is also known as "Phool Walon Ki Sair" and is the third annual Flower Day celebration to be held in Delhi.
- It is a public symbol when the procession of a palm leaf fan or fan with flowers taken from the tomb of Khwaja Bakhtiyar Kaki in Mehrauli in the temple of Yogmaya is huge

Question 38 :

Where and when will the fourth edition of the Winter Youth Olympic Games be held?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 2024 Nanjing
2. 2026, Dakar
3. 2023 Buenos Aires
4. 2024 Gangwon

Solution :

The correct answer is **Option 4** i.e. **2024 Gangwon**.

- The fourth edition of the Winter Youth Olympic Games 2024 will be held in Gangwon province in the cities of Pyeongchang and Gangneung (Republic of Korea).
- Gangwon 2024 draws upon the successful delivery of the Olympic Winter Games PyeongChang 2018 and aims to continue their vision of bringing sport to a new generation of winter athletes.
- The hosting of the Winter YOG leverages the significant investment that the Republic of Korea has made into



developing winter sport in the country and throughout Asia.

Question 39 :

According to census 2011, which is the least populous state in India?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Nagaland
2. Sikkim
3. Arunachal Pradesh
4. Goa

Solution :

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

- According to the State Census 2011, the most populated state in India is Uttar Pradesh with a population of 19.96 crores.
- The least populated state in the country is Sikkim with a population of 60, 7688.

Question 40 :

Dadabhai Naoroji was a _____.

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Businessman
2. Doctor
3. Soldier
4. British Officer

Solution :

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

- Dadabhai Naoroji was an Indian social political leader and one of the founders of the Indian National Congress.
- Known as 'The Grand Old Man of India' Dadabhai Naoroji was a great public figure during 1845 - 1917.
- At a time when the East India Company was ruling British India, Naoroji was laying the foundation of India's contemporary freedom struggle, establishing India's first political association, the Bombay Association, in 1852.



In 1855 he was appointed Professor of Mathematics and Natural Philosophy at Elphinstone College in Mumbai. The first Indian to be given an academic appointment, he was called 'The Promise of India' by another professor at the institution

Question 41 :

Vetti tax that is mentioned in the inscriptions of the Chola dynasty was taken in _____ form.

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

1. Crops
2. Land revenue
3. Cash
4. Forced labour

Solution :

The correct answer is **Option 4** i.e. **Forced labour**.

- During the Chola period, taxes like vetti and kadamai were imposed.
- Peasants were forced to work for their village landlords or the king for free which was called Vetti.
- The peasants had to pay land revenue to their king or landlords, this was called Kadamai.

Question 42 :

Which of the following statements is correct?

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

1. Water is a cyclic resource.
2. Water has only one state.
3. Water a non-renewable resource.
4. Water is a biotic resource.

Solution :

The correct answer is **Option 1** i.e. **Water is a cyclic resource**.

- Water is a cyclic resource and is renewed through the Hydrological cycle. Water is a precious and renewable



resource.

- Renewable resources can continue after they are finished; for example, Sun, wind and water all come under renewable resources.

Question 43 :

The Chinese Buddhist pilgrim, Xuan Zang, came to the Indian subcontinent about _____ years ago.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 1100
2. 1700
3. 2000
4. 1400

Solution :

The correct answer is **Option 4** i.e. **1400**.

- Xuanzang, world-famous for his sixteen-year pilgrimage to India and career as a translator of Buddhist scriptures, is one of the most illustrious figures in the history of scholastic Chinese Buddhism.
- In 629 CE, Xuanzang decided to travel to India.
- In 629 C.E., a Chinese Buddhist monk named Xuanzang wanted to go west to India to learn more about Buddhism, but at the time, the emperor had forbidden travel outside China.

Question 44 :

Identify an example of decomposers that are found in the bottom of a pond.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Zooplankton
2. Jellyfishes
3. Flagellates
4. Phytoplankton

Solution :

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



Flagellates are protozoans with one or a small number of long whip-like hairs called flagella that are used for locomotion.

- Flagellates are characterized by the possession of one or more flagella, which are long, tapering, hair-like appendages that act as organelles of locomotion.

Question 45 :

The _____ is a set of written rules that are accepted by all people living within a country.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Writ
2. Document
3. Constitution
4. Bill

Solution :

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

- The Republic is governed in terms of the Constitution of India which was adopted by the Constituent Assembly on 26th November, 1949 and came into force on 26th January, 1950.
- The Constitution provides for a Parliamentary form of government which is federal in structure with certain unitary features.
- The Constitution of India contains 395 articles in 22 parts.

Question 46 :

Which of the following is NOT an advantage of E-Commerce?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Cost saving and price reduction
2. Late response to customer needs
3. Wider choice
4. Improved customer services

Solution :

The correct answer is **Option 2** i.e. **Late response to customer needs**.



- E-commerce, also known as electronic commerce, allows businesses and consumers to make online purchases.
- E-commerce involves selling products online, building a brand, and online advertising.
 - Businesses find many advantages to e-commerce such as cost reduction and customer data.
 - Consumers enjoy the advantages of 24/7 shopping from their homes.

Question 47 :

Who has been appointed as the Director General, National Centre for Good Governance (NCGG) in September 2022?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Tarun Kapoor
2. Rajiv Bahl
3. Pralay Mondal
4. Bharat Lal

Solution :

The correct answer is **Option 4** i.e. **Bharat Lal**.

- Retired Gujarat cadre officer Bharat Lal has been appointed as the Director General, National Centre for Good Governance (NCGG).
- Bharat Lal, a 1988-batch Indian Forest officer of Gujarat cadre, had served as Gujarat government's resident commissioner in Delhi and has been known to be close to Prime Minister Narendra Modi, the then chief minister of the state.
- Earlier, during December 2021, Lal was appointed as the Secretary to the Lokpal.
- The National Centre for Good Governance (NCGG) is an autonomous institute under the aegis of Department of Administrative Reforms and Public Grievances, Government of India. Its head office is at New Delhi and the branch office at Mussoorie.

Question 48 :

Sultan Mahmud of Ghazni was a contemporary of which Chola king?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Rajaraja I
2. Rajendra II
3. Rajadhiraja



Rajendra I

Solution :

The correct answer is **Option 4** i.e. **Rajendra I**.

- Mahmud of Ghazni was a contemporary of the Chola king Rajendra I.
- During his campaigns in the subcontinent he also attacked the temples of defeated kings and looted their property and idols. Mahmud was not a very important ruler at that time.
- But by destroying temples - especially at Somnath - he tried to gain credit as a great hero of Islam.

Question 49 :

In April 2022, which scheme was selected for PM's Award for Excellence in Public Administration?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Smile
2. Beti Bachao Beti Padhao
3. UDAN
4. Make in India

Solution :

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

- Launched in 2016, UDAN scheme aims to fulfil the aspirations of the common man by following the vision of UdeDeshkaAamNagrik, with an enhanced aviation infrastructure and air connectivity in tier II and III cities.
- This scheme emphasises on Good Governance, Qualitative achievements, and last mile connectivity rather than only on achievement of quantitative targets.
- The award consists of a trophy, scroll and an incentive of Rs 10 lakhs.

Question 50 :

The Sunderban delta is the home of which of the following animal?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Asiatic Cheetah
2. Asiatic Lions



Royal Bengal Tiger

4. Black Panther

Solution :

The correct answer is **Option 3** i.e. **Royal Bengal Tiger**.

- Sundarban mangrove forest is the single largest home of the Royal Bengal Tiger(Panthera tigris).
- Mangrove forests of a tree called "Sundari" dominate the area. The name Sundarban comes from this distinctive tree.
- The Royal Bengal Tiger lives in the Sundarban Delta. The Royal Bengal Tiger only exists in this mangrove habitat in Asia.

Question 51 :

By selling a car for Rs.2,78,000, a dealer gains 25%. If the profit is reduced to 18%, then the selling price will be:

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Rs.2,62,432
2. Rs.2,65,432
3. Rs.2,72,432
4. Rs.2,60,432

Solution :

The correct answer is **option 1** i.e. **Rs.2,62,432**

Given:

S.P. = Rs.2,78,000

P = 25%

Concept Used:

$$\text{S.P.} = \text{C.P.} \times \left\{ \frac{(100 + P)}{100} \right\}$$

Explanation:

According to the given question, $\text{Rs.}2,78,000 = \text{C.P.} \times \left\{ \frac{(100 + 25)}{100} \right\}$

C.P. = Rs. 222400



Now, new profit = 18%

$$\text{S.P.} = \{(222400 \times \{(100 + 18) \over 100\})\}$$

$$\text{S.P.} = 262432$$

Hence the new selling price will be Rs. 262432.

Question 52 :

A and B together can do a piece of work in 50 days. If A is 40% less efficient than B, in how many days can A working alone complete 60% of the work?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 70
2. 10
3. 80
4. 105

Solution :

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

Given:

(A + B) can together complete the work in 50 days.

A is 40% less efficient than B

Concept Used:

Total work = Efficiency × total time

Explanation:

Let the efficiency of B be $5x$, then efficiency of A = 60% of $5x = 3x$

Total efficiency of (A + B) = $8x$

Total work = $8x \times 50 = 400x$

Amount of work A has to complete = 60% of $400x = 240x$

Time taken by A alone = $240x/3x = 80$

Hence, the time taken by A to complete 60% of the total work is 80 days.

Question 53 :

The following pie chart shows the spending of a country on tourism in various states during the year 2012. Total spending of the country = Rs49,62,000 The amount spends on state together D1 and D4 exceeds that spent on together D2 and D8 by :

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Rs1,89,760
2. Rs1,89,990
3. Rs1,98,480
4. Rs1,78,960

Solution :

The correct answer is **option 3** i.e. **Rs1,98,480**

Explanation:

Amount spent by state D1 = 12% of 49,62,000 = 595440

Amount spent by state D4 = 14% of 49,62,000 = 694680

The amount spent by state together D1 and D4 = 595440 + 694680 = 1290120

Amount spent by state D2 = 11% of 49,62,000 = 545820

Amount spent by state D8 = 11% of 49,62,000 = 545820

The amount spent by state together D2 and D8 = 545820 + 545820 = 1091640

The required difference = 1290120 - 1091640 = 198480

Hence The amount spends on state together D1 and D4 exceeds that spent on together D2 and D8 by **Rs1,98,480**.

Question 54 :

In the given figure AB=DB and AC=DC. If $\angle A = 40^\circ$ and $\angle C = 50^\circ$, then the value of $2x+5y$ is :

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 325

273

3. 259

4. 268

Solution :

The correct answer is **option 2** i.e. **273**

Given:

AB=DB and AC=DC

0

0,

0 and

0

Concept Used:

If all the three sides of triangle are equivalent to the corresponding three sides of the other triangle, then both the triangles are said to be congruent by SSS rule.

Explanation:

Since AB=DB and AC=DC and BC is common side

Therefore, triangles $\triangle ABC \cong \triangle DBC$

So, angle ABC = angle DBC = $\frac{1}{2} \times$ angle ABD = $\frac{58}{2} = 29^\circ$

According to the given values, $(2x - 4)^\circ = 29$

$$2x = 33^\circ$$

Also, angle ACB = angle DCB = 63°

$$(y + 15)^\circ = 63^\circ$$

$$y = 48^\circ$$

Now, $2x + 5y = 33^\circ + 240^\circ = 273^\circ$

Hence the required value is 273° .

Question 55 :

Three numbers are in the ratio of 2 : 3 : 5 and their LCM is 90. Find their HCF.



Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 9

2. 1

3. 6

4. 3

Solution :

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

Given:

Ratio of numbers = 2 : 3 : 5

LCM = 90

Explanation:

Let the three numbers be $2x$, $3x$ and $5x$ respectively.

LCM of $(2x, 3x, 5x) = 30x$

According to the given question, $30x = 90$

$$x = 3$$

So, the three numbers are 6, 9, 15.

Now, $6 = 2 \times 3$

$$9 = 3 \times 3$$

$$15 = 3 \times 5$$

So, the HCF of three numbers (6, 9, 15) is 3.

Question 56 :

Study the given table and answer the given question that follows. The table shows the number of customers for different services in different cities. Services/City X Y Z A 250 175 350 B 220 190 240 C 260 200 270 D 245 185 330 In which service is the average number of customers per city the highest?

Difficulty : Moderate

Average Time : 59 Seconds

Options :



C

2. A

3. D

4. B

Solution :

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

Explanation:

Total number of customers in service A = $(250 + 175 + 350) = 775$

Average number of customers in service A = $775/3 = 258.33$

Total number of customers in service B = $(220 + 190 + 240) = 650$

Average number of customers in service B = 216.67

Total number of customers in service C = $(260 + 200 + 270) = 730$

Average number of customers in service C = 243.33

Total number of customers in service D = $(245 + 185 + 330) = 760$

Average number of customers in service D = 253.33

Hence, In service A is the average number of customers per city the highest.

Question 57 :

On simple interest a sum of ₹1,640 becomes ₹1,832 in 2 years. What will ₹1,860 become in 4 years at the same rate of simple interest?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. ₹1,250

2. ₹1,376

3. ₹1,426

4. ₹1,150

Solution :



The correct answer is **option 2** i.e. **₹1,376**

Given:

$$P_1 = ₹1,640$$

$$\text{Amount} = ₹1,832$$

$$T_1 = 2 \text{ years}$$

$$P_2 = ₹1,860$$

$$T_2 = 4 \text{ years}$$

Concept Used:

$$\text{Simple Interest} = \left\{ \frac{P \times R \times T}{100} \right\}$$

$$\text{Interest} = \text{Amount} - \text{Principle}$$

Explanation:

$$\text{S.I.}_1 = 832 - 640 = 192$$

$$\text{Now using the formula for simple interest, } 192 = \left\{ \frac{640 \times R \times 2}{100} \right\}$$

$$R = 15\%$$

$$\text{So, } \text{S.I.}_2 = \left\{ \frac{P_2 \times R \times T_2}{100} \right\}$$

$$\text{S.I.}_2 = \left\{ \frac{860 \times 15 \times 4}{100} \right\}$$

$$\text{S.I.}_2 = 516$$

$$\text{Now, Amount} = 860 + 516 = 1376$$

Hence the sum will become **₹1,376**.

Question 58 :

If $x + \left\{ \frac{1}{x} \right\} = 8$, then find the value of $\frac{5}{(x^2 - 8x + 2)}$

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 3

2. 4

3. 0



5

Solution :

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

Given:

$$x + \left(\frac{1}{x}\right) = 8$$

Explanation:

From the given equation, $x^2 + 1 = 8x$

$$x^2 + 1 - 8x = 0$$

Adding 1 on both sides, we get

$$x^2 - 8x + 2 = 1$$

Now, $5/(x^2 - 8x + 2) = 5/1 = 5$

Hence the required value of $5/(x^2 - 8x + 2)$ is 5.

Question 59 :

The average weight of 49 students in a class is 39 kg. Seven of them whose average weight is 40 kg leave the class and other seven students whose average weight is 54 kg join the class. What is the new average weight (in kg) of the class?

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

1. 41

2. 39

3. 42

4. 40

Solution :

The correct answer is **option 1** i.e. **41**.

Given:

Average weight of 49 students = 39 Kg.

Average weight of 7 students leaving = 40 Kg.



Average weight of 7 new students = 54 Kg.

Concept Used:

Total weight = Average weight × Number of students

Explanation:

Total weight of class before students left = $49 \times 39 = 1911$ Kg.

Total weight of 7 students leaving = $7 \times 40 = 280$ Kg.

Total weight of 7 new students = $7 \times 54 = 378$ Kg

Now, the total weight of class after replacement = $1911 - 280 + 378 = 2009$

Now, average weight of class after replacement = $2009/49 = 41$.

Hence the average weight of class after replacement is 41 Kg.

Question 60 :

Study the table given below and answer the question that follows. Countries Number of Tests Positive Cases Number of Patients for Ventilators The US 14000 12% 20% Spain 12000 8% 12.5% Italy 10000 12% 16% China 10000 11% 15% According to the table given above, which country has the maximum number of positive cases?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. The US
2. China
3. Spain
4. Italy

Solution :

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

Explanation:

Positive cases in The US = 12% of 14000 = **1680**

Positive cases in Spain = 8% of 12000 = 960

Positive cases in Italy = 12% of 10000 = 1200

Positive cases in China = 11% of 10000 = 1100



Hence The US has the maximum number of positive cases.

Question 61 :

If $\tan A + \cot A = 2$, then the value of $2(\tan^2 A + \cot^2 A)$ is :

Difficulty : Moderate**Average Time : 45 Seconds****Options :**

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

Solution :

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

Given:

$$\tan A + \cot A = 2$$

Concept Used:

$$(a + b)^2 = a^2 + b^2 + 2ab \quad \dots(i)$$

$$\tan A = 1/\cot A \quad \dots(ii)$$

Explanation:

Squaring both sides of the given equation, we get

$$(\tan A + \cot A)^2 = (2)^2$$

$$\tan^2 A + \cot^2 A + 2\tan A \cot A = 4 \quad \dots\{\text{using equation(i)}\}$$

$$\tan^2 A + \cot^2 A + 2 = 4 \quad \dots\{\text{Using equation(ii)}\}$$

$$\tan^2 A + \cot^2 A = 2$$

$$\text{Now, } 2(\tan^2 A + \cot^2 A) = 2(2) = 4$$

Hence the value of $2(\tan^2 A + \cot^2 A)$ is 4.

Question 62 :

A shopkeeper gives two successive discounts on a watch marked ₹12,750. The first discount given is 10%. If the customer pays ₹12,103.75 for the watch, then what is the second discount?



Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 15%
2. 30%
3. 12%
4. 10%

Solution :

The correct answer is **option 1** i.e. **15%**

Given:

$$M.P. = \text{Rs. } 12,750$$

$$S.P. = \text{Rs. } 12,103.75$$

$$D_1 = 10\%$$

Concept Used:

$$S.P. = \left(M.P. \times \left(\frac{100 - D_1}{100} \right) \times \left(\frac{100 - D_2}{100} \right) \right) \dots (i)$$

Explanation:

Let the second discount be D_2

Putting the given values in equation (i), we get

$$2,103.75 = \left(2,750 \times \left(\frac{100 - 10}{100} \right) \times \left(\frac{100 - D_2}{100} \right) \right)$$

$$\left(\frac{2,103.75}{2,750} \right) = \left(\frac{90}{100} \right) \times \left(\frac{100 - D_2}{100} \right)$$

$$\left(\frac{100 - D_2}{100} \right) = 0.85$$

$$100 - D_2 = 85$$

$$D_2 = 15$$

Hence the value of second discount is 15%.

Question 63 :

Which of the following numbers are divisible by 2, 3 and 5?



Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 5467760
2. 1345678
3. 2345760
4. 2456732

Solution :

The correct answer is **option 3** i.e. **2345760**

Explanation:

By seeing the options, we know that all are divisible by 2 as their units digits are divisible by 2.

Only option 1 and option 3 are divisible by 5, as their unit digits are divisible by 5.

So, from option 1, $5 + 4 + 6 + 7 + 7 + 6 + 0 = 35$ which is not divisible by 3.

Now, from option 3, $2 + 3 + 4 + 5 + 7 + 6 + 0 = 27$ which is divisible by 3.

Hence the number which is divisible by 2, 3 and 5 is 2345760.

Question 64 :

Two trains P and Q start from stations S and T towards each other. Train P takes 4 hours 48 minutes and train Q takes 3 hours 20 minutes to reach T and S, respectively, after they meet. If the speed of train P is 45 km/h, what is the speed of train Q?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 48 km/h
2. 50 km/h
3. 54 km/h
4. 55 km/h

Solution :

The correct answer is **option 3** i.e. **54 km/h**

Given:

After meeting each other, time taken by P = 4 hours 48 minutes and

time taken by Q = 3 hours 20 minutes to reach stations T and S respectively

Speed of P = 45 km/h

Concept Used:

If two trains run with the speed of x km/hr and y km/hr and they reach their destination after meeting each other in t1 and t2 hours respectively, then

$$\left(\frac{x}{y}\right)^2 = \frac{t_2}{t_1} \quad \dots(i)$$

Explanation:

Let the speed of Q be x km/hr.

Using equation (i), we get

$$\left(\frac{\text{Speed of P}}{\text{Speed of Q}}\right)^2 = \frac{3\text{ hours } 20\text{ minutes}}{4\text{ hours } 48\text{ minutes}}$$

Now, 3 hours 20 minutes = $\frac{10}{3}$ hours

And 4 hours 48 minutes = $\frac{24}{5}$ hours

$$\left(\frac{\text{Speed of P}}{\text{Speed of Q}}\right)^2 = \frac{10}{3} \div \frac{24}{5}$$

$$\left(\frac{45}{x}\right)^2 = \frac{25}{36}$$

$$\left(\frac{45}{x}\right)^2 = \left(\frac{5}{6}\right)^2$$

$$\frac{45}{x} = \frac{5}{6}$$

$$x = 54$$

Hence the speed of Q is 54 km/h.

Question 65 :

If $(1 - \cos \hat{A}, \sin \hat{A}) = \left(\frac{1}{5}, \right)$, then what will be the value of $(1 + \cos \hat{A}, \sin \hat{A})$?

Difficulty : Moderate

Average Time : 87 Seconds

Options :

1. 5

2. $\frac{2}{5}$

3. $\frac{1}{5}$

4/5

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

$$\sqrt{\frac{1 - \cos \theta}{1 + \sin \theta}} = \sqrt{\frac{1}{5}}$$

Concept Used:

$$\sin^2 \theta = 1 - \cos^2 \theta \quad \dots(i)$$

Explanation:

$$\sqrt{\frac{1 - \cos \theta}{1 + \sin \theta}} = \sqrt{\frac{1}{5}}$$

Multiplying $(1 + \cos \theta)$ in both numerator and denominator, we get

$$\sqrt{\frac{(1 - \cos \theta)(1 + \cos \theta)}{\sin \theta(1 + \cos \theta)}} = \sqrt{\frac{1}{5}}$$

$$\sqrt{\frac{1 - \cos^2 \theta}{\sin \theta(1 + \cos \theta)}} = \sqrt{\frac{1}{5}}$$

$$\sqrt{\frac{\sin \theta}{1 + \cos \theta}} = \sqrt{\frac{1}{5}}$$

$$(1 + \cos \theta) \sin \theta = 5$$

Hence the value of $(1 + \cos \theta) \sin \theta$ is 5.**Question 66 :**If $K + \frac{1}{K} = 3$, then what is the value of $K^3 + \frac{1}{K^3}$?**Difficulty : Moderate****Average Time : 72 Seconds****Options :**

1. 36

2. 10

3. 18

4. 54

Solution :The correct answer is **option 3** i.e. **18****Given:**



$$K + 1/K = 3$$

Concept Used:

$$(a + b)^3 = a^3 + b^3 + 3ab(a + b) \dots(i)$$

Explanation:

Using equation (i), we get

$$(K + 1/K)^3 = (3)^3$$

$$K^3 + (1/K)^3 + 3(K + 1/K) = 27$$

$$K^3 + (1/K)^3 + 3(3) = 27$$

$$K^3 + (1/K)^3 = 18$$

Hence the required value is $K^3 + (1/K)^3 = 18$.

Question 67 :

In the given figure, a square ABCD is inscribed in a quadrant ACPQ. If the AB=16cm, find the area of the shaded region (take $\pi = 3.14$) correct to two places of decimal.

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

1. 155.95 cm^2
2. 186.98 cm^2
3. 163.85 cm^2
4. 145.92 cm^2

Solution :

The correct answer is **option 4** i.e. 145.92 cm^2

Given:

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

Concept Used:

$$\text{Area of square} = a^2$$

$$\text{Area of quadrant} = \frac{\pi r^2}{4}$$



Diagonal of square $= a\sqrt{2}$

Where, a = side of square

r = radius of quadrant

Explanation:

Diagonal of square ABCD = radius of quadrant APCQ $= a\sqrt{2} = 16\sqrt{2}$

Now, Area of shaded region = Area of quadrant - area of square

Area of shaded region $= \left\{ \frac{\pi (16\sqrt{2})^2}{4} - (16)^2 \right\}$

Area of shaded region $= 3.14 \times 128 - 256$

Area of shaded region $= 401.92 - 256$

Area of shaded region $= 145.92$

Hence the area of the shaded region is 145.92 cm^2 .

Question 68 :

O is the incentre of the triangle PQR. If angle POR = 140 degree, then what is the angle PQR?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. 40 degree
2. 140 degree
3. 100 degree
4. 70 degree

Solution :

The correct answer is **option 3** i.e. **100 degree**

Given:

O is incenter.

Angle POR = 140°

Concept Used:

If ABC is a triangle and I is the incenter, then



Angle BIC = $90^\circ + \frac{1}{2}$ (angle BAC)

Explanation:

According to the given question,

Angle POR = $90^\circ + \frac{1}{2}$ (Angle PQR)

$140^\circ = 90^\circ + \frac{1}{2}$ (Angle PQR)

$\frac{1}{2}$ (Angle PQR) = 50

(Angle PQR) = 100°

Hence the required angle is 100° .

Question 69 :

If the side of an equilateral triangle is 20 cm, then what is its area?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 1103 cm^2
2. 1253 cm^2
3. 2003 cm^2
4. 1003 cm^2

Solution :

The correct answer is **option 4** i.e. 1003 cm^2

Given:

Side, $a = 20 \text{ cm}$

Concept Used:

Area of equilateral triangle = $\frac{\sqrt{3}}{4} a^2$ (i)

Explanation:

Using the given value in equation (i), we get

Area = $\frac{\sqrt{3}}{4} \times (20)^2 = (100 \sqrt{3}) \text{ cm}^2$.

Question 70 :

Which of the following statement is correct? The value of $100^2 - 99^2 + 98^2 - 97^2 + 96^2 - 95^2 + 94^2 - 93^2 + \dots + 2^2 - 1^2$ is 5050 If $8X + \frac{8}{X} = -16$ and $X \neq 0$, then the value of $X^{197} + X^{-197}$ is 2.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Only 1
2. Only 2
3. Both 1 and 2
4. Neither 1 nor 2

Solution :

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

Explanation:

For statement I: $100^2 - 99^2 + 98^2 - 97^2 + 96^2 - 95^2 + 94^2 - 93^2 + \dots + 2^2 - 1^2$

$$(100^2 - 99^2) + (98^2 - 97^2) + \dots + (2^2 - 1^2)$$

$$(100 + 99)(100 - 99) + (98 + 97)(98 - 97) + (96 + 95)(96 - 95) + \dots + (2 + 1)(2 - 1)$$

$$100 + 99 + 98 + 97 + 96 + 95 + \dots + 2 + 1$$

Now, we know that the sum of first 'n' natural numbers is $\frac{n(n+1)}{2}$

$$\frac{100(100+1)}{2} = 50 \times 101 = 5050.$$

So, statement I is correct.

For statement II: $8X + \frac{8}{X} = -16$

Dividing whole equation by 8, we get

$$X + \frac{1}{X} = -2$$

Now, putting $X = -1$, equation is satisfied.

Hence putting $X = -1$ in $X^{197} + X^{-197}$, we get

$$(-1)^{197} + (-1)^{-197} = -2$$

Hence Statement II is incorrect.

Question 71 :

If $\sin A = 4/5$, $\sin B = 15/17$, what is the value of $\sin(A-B)$?

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. $-32/45$
2. $-13/85$
3. $13/85$
4. $32/85$

Solution :

The correct answer is **option 2** i.e. $-13/85$

Given:

$$\sin A = 4/5,$$

$$\sin B = 15/17$$

Concept Used:

$$\sin(A - B) = \sin A \cos B - \cos A \sin B \quad \dots(i)$$

$$\cos \theta = \sqrt{1 - \sin^2 \theta} \quad \dots(ii)$$

Explanation:

Using equation (ii), we get

$$\cos A = \sqrt{1 - \{16 \over 25\}} = 3/5$$

$$\cos B = \sqrt{1 - \{225 \over 289\}} = 8/17$$

Using both the above values in equation (i), we get

$$\sin(A - B) = \{4 \over 5\} \times \{8 \over 17\} - \{3 \over 5\} \times \{15 \over 17\}$$

$$\sin(A - B) = \{32 - 45 \over 85\} = -13/85.$$

Hence the value of $\sin(A - B)$ is $-13/85$.

Question 72 :

From the circumcentre L of triangle $\triangle XYZ$, perpendicular LM is drawn on side YZ. If $\angle YXZ = 60^\circ$ then the measure of $\angle YLM$ is:

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 60°
2. 120°
3. 180°
4. 90°

Solution :

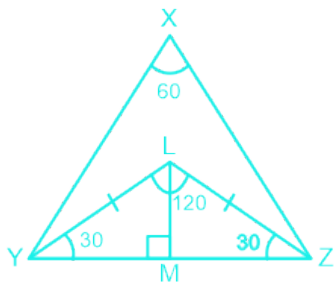
The correct answer is **option 1** i.e. 60°

Given:

$$\angle YXZ = 60^{\circ}$$

L is circumcenter.

Explanation:



Since L is circumcenter, $\angle YLZ = 2 \times \angle YXZ = 120^{\circ}$

Now, $YL = LZ$, radius of circumcircle.

So, $\angle LYZ = \angle LZY = 30^{\circ}$

Now, $\angle YLM = 180^{\circ} - (90^{\circ} + 30^{\circ}) = 180^{\circ} - 120^{\circ} = 60^{\circ}$

Hence the value of $\angle YLM$ is 60° .

Question 73 :

The number of books on Mathematics, Physics and Chemistry in a University library is in the ratio 8 : 5 : 9. There is a proposal to increase these books by 10%, 5% and 5% respectively. What will be the ratio of the number of books after increment?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. 212 : 117 : 47
2. 37 : 47 : 83
3. 176 : 105 : 189
4. 189 : 115 : 117

Solution :

The correct answer is **option 3** i.e. **176 : 105 : 189**

Given:

Ratio of books on Mathematics, Physics and Chemistry = 8 : 5 : 9

Concept Used:

Increased value = $\text{(Initial value)} \times \left\{ \frac{100 + \text{increment}}{100} \right\}$

Explanation:

Let initially, the number of books on Mathematics, Physics and Chemistry be 800, 500 and 900 respectively.

Increased value of books of mathematics = $\left(800 \times \frac{110}{100} \right) = 880$

Increased value of books of physics = $\left(500 \times \frac{105}{100} \right) = 525$

Increased value of books of chemistry = $\left(900 \times \frac{105}{100} \right) = 945$

Now, the required ratio = 880 : 525 : 945 = 176 : 105 : 189

Hence the ratio of books on Mathematics, Physics and Chemistry after increment is 176 : 105 : 189.

Question 74 :

Ratio between the present ages of A and B is 2 : 3, respectively. After 5 years, the ratio between their ages will be 3 : 4. What is B's age at present?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 20 years
2. 15 years



10 years

4. 25 years

Solution :

The correct answer is **option 2** i.e. **15 years**

Given:

Ratio of present ages of A and B = 2 : 3

Ratio of ages of A and B after 5 years = 3 : 4

Explanation:

Let the present ages of A and B be $2x$ and $3x$ respectively.

According to the given question,

$$\left(\frac{2x + 5}{3x + 5}\right) = \left(\frac{3}{4}\right)$$

$$8x + 20 = 9x + 15$$

$$x = 5$$

So, present age of B = $3x = 3 \times 5 = 15$ years.

Hence the present age of B is 15 years.

Question 75 :

Who scored the least marks in aggregate of all subjects?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. D

2. E

3. A

4. C

Solution :

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

Explanation:



Marks obtained by A = $(54 + 65 + 67) = 186$

Marks obtained by B = $(52 + 88 + 78) = 218$

Marks obtained by C = $(48 + 48 + 67) = 163$

Marks obtained by D = $(41 + 87 + 60) = 188$

Marks obtained by E = $(74 + 70 + 55) = 199$

Hence the least aggregate marks are obtained by C.

Question 76 :

Select the most appropriate collocating word to fill in the blank. After having understood the ill effects, he said he would _____ drinking alcohol.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. quit
2. finish
3. close
4. terminate

Solution :

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

The meaning of the given words is:

- **Quit:** To stop or leave a particular job or activity voluntarily.
- **Finish:** To complete or bring an activity, task, or process to an end.
- **Close:** To bring an end to something or shut something down.
- **Terminate:** To bring an end to something in a formal or official way.

Quit drinking is a collocation that means to stop drinking alcohol. Thus, quit would be the most appropriate filler for the given blank.

Therefore, the correct sentence is:

*After having understood the ill effects, he said he would **quit** drinking alcohol.*

Question 77 :

Select the most appropriate synonym of the given word. Remorse



Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Repentance
2. Slow
3. Liberate
4. Affinity

Solution :

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

The meaning of the given words is:

- **Remorse**: a feeling of regret or guilt for having done something wrong or hurtful to someone else
- **Repentance**: the act of feeling regret or remorse for past actions, often accompanied by a desire to make amends or change one's behavior
- **Slow**: taking a long time to happen or do something, or not moving or changing quickly; the opposite of fast or quick
- **Liberate**: to set free from oppression, confinement, or control; to release from bondage or imprisonment; to free from restrictions or limitations
- **Affinity**: a natural liking, attraction, or feeling of kinship towards someone or something; a close relationship or connection based on shared characteristics or interests.

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

Question 78 :

Select the most appropriate word for the underlined word in the given sentence. Rajesh was angry at himself for making a silly mistake during the examination.

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. for
2. on
3. above
4. with

Solution :

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



Lets understand the usage of the given words:

- **With:** It is used to say that people or things are in place together.
- **For:** It is used to denote intention to give; purpose; the result of something.
- **On:** It is used to denote when a thing is touching the surface of a place.
- **Above:** It is used to indicate something higher than something else.

Thus, the most appropriate replacement for the underlined word is **with**.

Therefore, the correct sentence is:

Rajesh was angry with himself for making a silly mistake during the examination.

Question 79 :

Rectify the sentence by selecting the correct spelling of the underlined word. I would never associate with such a person.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. **associate**
2. **accosiate**
3. **assosiate**
4. **asosiate**

Solution :

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

The correct spelling and meaning of the given word is:

- **Associate:** connect (someone or something) with something else in one's mind.

Question 80 :

Select the most appropriate ANTONYM of the underlined word. The number of tests conducted dropped further on Saturday with a total of 67,624 tests of which 20% were the less precise rapid antigen tests.

Difficulty : Moderate

Average Time : 46 Seconds

Options :



Complicated

2. Inevitable

3. Rough

4. Adequate

Solution :

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

The meaning of the given words is:

- **Precise:** Exact, accurate, or definite in terms of measurements, time, or details.
- **Rough:** Uneven, irregular, or not smooth; also means harsh or violent.
- **Complicated:** Involving many different and connected parts or aspects; also means difficult to analyze or understand.
- **Inevitable:** Unavoidable, certain to happen, or cannot be prevented or changed.
- **Adequate:** Sufficient, enough, or appropriate in quality or quantity for a specific purpose or need.

Thus, the most appropriate antonym for the underlined word is **rough**.

Question 81 :

Select the most appropriate meaning of the underlined segment in the given sentence. By the end of the football match, feelings had reached fever pitch.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. in or to many places
2. to get so strong that one cannot control them
3. be extremely serious and worrying
4. start well

Solution :

The correct answer is **option 2** i.e. **to get so strong that one cannot control them**.

- The phrase "fever pitch" means a state of intense excitement or agitation, typically in a group of people.
- The phrase has its origins in music, where it refers to a high-pitched sound or note.
- When used in the context of emotions or excitement, "fever pitch" describes a situation where feelings or emotions have reached a point where they are so strong that they cannot be controlled.



In the given sentence, it implies that the emotions of the football fans had reached an intense level where they could no longer control themselves.

Thus, the correct meaning of the underlined words is **to get so strong that one cannot control them**.

Question 82 :

Select the option that can be used as a one-word substitute for the given group of words. A speech made without preparation

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Extempore
2. Rhetoric
3. Deliberation
4. Spontaneous

Solution :

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

The meaning of the given words is:

- **Extempore**: Something that is done or spoken without any preparation or rehearsal. It means to do something on the spot, impromptu or without prior planning.
- **Rhetoric**: The art or study of using language effectively and persuasively. It involves using language to communicate effectively and convincingly, with the intention of influencing or persuading an audience.
- **Deliberation**: The act of carefully considering or discussing something before making a decision. It involves thinking deeply and considering all the options before making a decision or taking action.
- **Spontaneous**: Happening or arising without any external stimulus or cause. It means to do something without planning or thinking ahead, often as a result of a sudden impulse or inspiration.

Thus, the most appropriate one word substitution for the given set of words is **Extempore**.

Question 83 :

Select the most appropriate meaning of the given idiom. To smell a rat

Difficulty : Moderate

Average Time : 74 Seconds

Options :

To have reason to know the presence of a rat

2. To have reason to suspect

3. To know the smell of a rat

4. To learn the smell of a rat

Solution :

The correct answer is **option 2** i.e. **To have reason to suspect.**

- The idiom "to smell a rat" means to suspect that something is wrong or that someone is being dishonest.
- It refers to the idea that a rat's presence can often be detected by its distinctive odor, and so if someone "smells a rat," they have picked up on clues or evidence that suggests that something is not as it should be.

Thus, the most appropriate choice among the given options is '**To have reason to suspect.**'

Question 84 :

Select the correct indirect form of the given sentence. Priya said, "Yes, I am confounded."

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Priya admitted that she was confound.
2. Priya admit that she was confounded.
3. Priya admitted that she was confounded.
4. Priya admitted that she is confounded.

Solution :

The correct answer is **option 3** i.e. **Priya admitted that she was confounded.**

The given sentence can be converted into its indirect form using the following rules:

- The reporting verb "said" needs to be changed to a reporting verb that indicates the act of speaking, such as "admitted", "exclaimed", or "confessed".
- The conjunction "that" needs to be added after the reporting verb.
- The pronoun "I" needs to be changed to the third person.
- The verb "am" needs to be changed to the corresponding past tense form, which is "was".
- The direct speech "Yes" needs to be omitted.

The indirect form of the given sentence would be:

Priya admitted that she was confounded.

Question 85 :

Select the correct passive form of the given sentence. People speak Cantonese in Hong-Kong.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Cantonese was spoken in Hong-Kong.
2. Cantonese is spoken in Hong-Kong.
3. Cantonese was spoken in Hong-Kong by people.
4. Cantonese is being spoken in Hong-Kong.

Solution :

The correct answer is **option 2** i.e. **Cantonese is spoken in Hong-Kong.**

- The given active voice sentence is written in '**simple present tense**'.
- **The structure of active voice sentence is:** Subject + V1 + Object.
- **The structure of passive voice sentence is:** Object + is/am/are + V3 + by + Subject.
- The subject i.e., **people** and the object i.e., Cantonese swap places on conversion.
- But since the subject people is a common noun and not a definite subject, we will omit the subject in its passive form.
- The verb 'speak' will change into '**is spoken**'.

Thus, the correct passive form of the given sentence is:

Cantonese is spoken in Hong-Kong.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Little (1)_____ a year ago, Rama Rao went out of work when a gramophone company, of which he was the Malgudi agent, went out of existence. He had put into that agency the little money he had (2)_____ as security. For five years his business brought him (3)_____ money, just enough to help him keep his wife and children in good comfort. And one day, it was (4)_____. A series of (5)_____ in the world of trade, commerce, banking, and politics was responsible for it.

Question 86 :

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



Difficulty : Moderate

Average Time : 99 Seconds

Options :

1. while
2. beyond
3. about
4. over

Solution :

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

The given sentence indicates that Rama Rao lost his job when the gramophone company went bankrupt. He invested his inherited money into the company as collateral, and when the company went under, he lost his job and his money.

The appropriate word for the blank is "over." Little **over** a year ago" means "slightly more than a year ago."

The correct sentence is:

*Little **over** a year ago, Rama Rao went out of work when a gramophone company, of which he was the Malgudi agent, went out of existence. He had put into that agency the little money he had inherited as security.*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Little (1)_____ a year ago, Rama Rao went out of work when a gramophone company, of which he was the Malgudi agent, went out of existence. He had put into that agency the little money he had (2)_____ as security. For five years his business brought him (3)_____ money, just enough to help him keep his wife and children in good comfort. And one day, it was (4)_____. A series of (5)_____ in the world of trade, commerce, banking, and politics was responsible for it.

Question 87 :

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

Difficulty : Moderate

Average Time : 92 Seconds

Options :

1. converted
2. exchanged
3. inherited



gambled

Solution :

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

- The sentence talks about Rama Rao, who lost his job when the company he worked for went out of existence.
- Prior to this, he had invested some of his own money into the agency as security.
- The word "inherited" means receiving money or property from someone after their death.
- However, in this context, it can be understood that Rama Rao had put his own money into the agency as a form of investment, which he lost when the company went out of business.

Thus, the correct sentence is:

*Little a year ago, Rama Rao went out of work when a gramophone company, of which he was the Malgudi agent, went out of existence. He had put into that agency the little money he had **inherited** as security.*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Little (1)_____ a year ago, Rama Rao went out of work when a gramophone company, of which he was the Malgudi agent, went out of existence. He had put into that agency the little money he had (2)_____ as security. For five years his business brought him (3)_____ money, just enough to help him keep his wife and children in good comfort. And one day, it was (4)_____. A series of (5)_____ in the world of trade, commerce, banking, and politics was responsible for it.

Question 88 :

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

Difficulty : Moderate

Average Time : 98 Seconds

Options :

1. enough
2. much
3. a few
4. few

Solution :

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

-
- The word "enough" fits in the blank to make a grammatically correct sentence. "Enough" means sufficient or as



much as required.

- In this sentence, the phrase "just enough" indicates that the business brought him the necessary amount of money to maintain his family's good comfort.
- The use of "much" or "a few" would not make sense in this context as they indicate larger or smaller quantities respectively.
- "Few" also does not fit in this sentence as it indicates an insufficient amount of money, which contradicts the meaning conveyed in the sentence.

Thus, the correct sentence is:

*For five years his business brought him **enough** money, just enough to help him keep his wife and children in good comfort.*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Little (1)_____ a year ago, Rama Rao went out of work when a gramophone company, of which he was the Malgudi agent, went out of existence. He had put into that agency the little money he had (2)_____ as security. For five years his business brought him (3)_____ money, just enough to help him keep his wife and children in good comfort. And one day, it was (4)_____. A series of (5)_____ in the world of trade, commerce, banking, and politics was responsible for it.

Question 89 :

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

Difficulty : Moderate

Average Time : 99 Seconds

Options :

1. a wild goose chase
2. a snake in the grass
3. a bone of contention
4. a bolt from the blue

Solution :

The correct answer is **option 4** i.e. **a bolt from the blue**.

- The phrase "a bolt from the blue" means a sudden, unexpected event that surprises and shocks you.
- In the given sentence, the business was running well for five years, but suddenly something unexpected happened that surprised and shocked the person.
- Therefore, the correct option to fill in the blank is "a bolt from the blue".



Thus, the correct sentence is:

*For five years his business brought him enough money, just enough to help him keep his wife and children in good comfort. And one day, it was **a bolt from the blue**.*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. Little (1)_____ a year ago, Rama Rao went out of work when a gramophone company, of which he was the Malgudi agent, went out of existence. He had put into that agency the little money he had (2)_____ as security. For five years his business brought him (3)_____ money, just enough to help him keep his wife and children in good comfort. And one day, it was (4)_____. A series of (5)_____ in the world of trade, commerce, banking, and politics was responsible for it.

Question 90 :

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

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. instructions
2. circumstances
3. questions
4. lectures

Solution :

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

- The blank requires a noun that fits logically in the given sentence.
- The options are "instructions," "circumstances," "questions," and "lectures."
- The correct answer is "circumstances," as it fits with the idea that a series of events or situations led to a particular outcome.
- The sentence indicates that something happened in the world of trade, commerce, banking, and politics, and this event was caused by a series of circumstances.

Therefore, the correct sentence would be:

*"A series of **circumstances** in the world of trade, commerce, banking, and politics was responsible for it."*

Question 91 :



Parts of the following sentence have been given as options. Select the option that contains an error. She, often, accuses him for a lack of morality.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. She often
2. a lack of morality
3. No error
4. accuses him for

Solution :

The correct answer is **option 4** i.e. **accuses him for**.

- The given sentence contains a grammatical error.
- The correct preposition to be used with the verb 'accuse' is 'of' and not 'for'.

So, the correct sentence should be:

*She often accuses him **of** a lack of morality.*

Question 92 :

Choose the incorrectly spelt word.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Professional
2. Dubious
3. Nefarious
4. Consumate

Solution :

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

The correct spelling and meaning of the given words is:

- **Professional**: relating to or connected with a profession or a person engaged in a specified activity as one's main paid occupation.



Dubious: hesitating or doubting; not to be relied upon; suspect.

- **Nefarious:** (typically of an action or activity) wicked or criminal.
- **Consummate:** showing great skill and flair; complete or perfect.

Question 93 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'. We live in a populated country of 120 million people.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. congested
2. dense
3. populous
4. No substitute

Solution :

The correct answer is **option 4** i.e. **No substitute**.

- The underlined segment in the given sentence is "populated country."
- The word "populated" is an adjective that means heavily populated or densely populated. It is grammatically correct to use "populated" in this sentence to describe the country having a high population of 120 million people.
- Therefore, there is no need to substitute the underlined segment, and the correct answer is "No substitution."

Thus, the correct sentence is:

*We live in a **populated** country of 120 million people.*

Question 94 :

Rearrange the parts of the sentence in correct order. According to the report, P. the 2021 projections reflect growing Q. recognition of climate change issues R. and the importance of nuclear power in S. reducing emissions from electricity generation

Difficulty : Moderate

Average Time : 65 Seconds

Options :

QRSP

2. QPRS

3. PSQR

4. PQRS

Solution :

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

- The original sentence is a jumbled up version of the correct sentence.
- The sentence talks about the 2021 projections and the growing recognition of climate change issues and the importance of nuclear power in reducing emissions from electricity generation.
- The correct order of the sentence is 'According to the report' which is an introductory phrase followed by the subject 'the 2021 projections' and then the verb 'reflect'.
- The remaining part of the sentence 'growing recognition of climate change issues and the importance of nuclear power in reducing emissions from electricity generation' is arranged in the correct order.

Thus, the correct sentence is:

According to the report, the 2021 projections reflect growing recognition of climate change issues and the importance of nuclear power in reducing emissions from electricity generation.

Question 95 :

Select the most appropriate ANTONYM of the underlined word in the context of its meaning in the sentence. A few chocolates were left after the Halloween's trick or treat fair.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. stayed
2. finished
3. right
4. present

Solution :

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

The meaning of the given words is:

- The underlined word in the sentence is "left." It means that there were some chocolates that remained unconsumed

or unclaimed after the Halloween trick or treating event.

- The antonym of "left" is "taken," which means that all the chocolates were consumed or claimed and none were left behind.
- Therefore, the correct antonym for "left" is not present among the options provided.

Thus, the correct sentence is:

*A few chocolates were **finished** after the Halloween's trick or treat fair.*

Question 96 :

Select the most appropriate option to fill in the blank. The patient was _____ from the hospital.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. liberated
2. discharged
3. let out
4. released

Solution :

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

- In the given question, we are provided with four options: 'liberated', 'discharged', 'let out', and 'released'.
- The sentence is about a patient who has left the hospital, and we have to choose the most appropriate word that fits in the blank.
- Out of the four options, 'discharged' is the most appropriate word that fits the blank. 'Discharged' is commonly used in the context of releasing a patient from a hospital after treatment.
- It means that the patient is no longer required to stay in the hospital and can go home.
- The other options, such as 'liberated', 'let out', and 'released', may also indicate a release of some sort, but they are not typically used in the context of hospital discharges. Therefore, 'discharged' is the correct answer.

Thus, the correct sentence is:

*The patient was **discharged** from the hospital.*

Question 97 :



The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. P. Many deadwood beetle species recycle the nutrients of woodlands. Q. Some deadwood beetles are predators or parasitoids to other insect species and restrict population growth of potential pests. R. Others have recently been found to be pollinators. S. Working alongside fungi, bacteria and other invertebrates, they break down dead wood and return the nutrients back to the soil.

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. PSQR
2. RPSQ
3. PRQS
4. QPRS

Solution :

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

- The paragraph begins by introducing the deadwood beetles and their role in recycling the nutrients of woodlands.
- This is followed by the description of how they work alongside other organisms to break down dead wood and return the nutrients back to the soil.
- The next sentence talks about how some deadwood beetles restrict population growth of potential pests by being predators or parasitoids to other insect species.
- Finally, the paragraph ends by mentioning how some deadwood beetles have been recently found to be pollinators.

Thus, the coherent paragraph is:

Many deadwood beetle species recycle the nutrients of woodlands. Working alongside fungi, bacteria and other invertebrates, they break down dead wood and return the nutrients back to the soil. Some deadwood beetles are predators or parasitoids to other insect species and restrict population growth of potential pests. Others have recently been found to be pollinators.

Question 98 :

Select the option that expresses the given sentence in active voice. The keys have been forgotten by Jyoti.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Jyoti will have forgotten the keys.
2. Jyoti had forgotten the keys.



Jyoti has been forgetting the keys.

4. Jyoti has forgotten the keys.

Solution :

The correct answer is **option 4** i.e. **Jyoti has forgotten the keys.**

- To convert the given sentence into the active voice, we need to identify the subject and the object of the sentence, and then rearrange the sentence to make the subject the doer of the action, and the object the receiver of the action.
- In the given sentence, the subject is "keys" and the object is "Jyoti".
- The sentence is in the passive voice, which means that the object is the doer of the action, and the subject is the receiver of the action.
- To convert it to the active voice, we need to make the subject the doer of the action.

Thus, the most appropriate active form of the given sentence is:

Jyoti has forgotten the keys.

Question 99 :

Parts of the following sentence have been given as options. Select the option that contains a grammatical error. There was no denying the fact / that King Lear confided to / his daughter Cordelia / more than anybody else.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. that King Lear confided to
2. There was no denying the fact
3. more than anybody else.
4. his daughter Cordelia

Solution :

The correct answer is **option 1** i.e. **that King Lear confided to.**

- The error in this sentence is the use of the preposition "to" after the verb "confided".
- The correct preposition to use in this context is "in", as "confide in" is an idiom used to express the act of trusting someone with personal information.
- The use of the preposition "in" instead of "to" makes the sentence grammatically correct and conveys the intended meaning.

Therefore, the correct sentence should be:

"There was no denying the fact that King Lear confided **in** his daughter Cordelia more than anybody else."

Question 100 :

Select the most appropriate ANTONYM of the given word. Polite

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Rude
2. Civil
3. Decent
4. Sober

Solution :

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

The meaning of the given words is:

- **Polite:** Polite refers to showing good manners and respect towards others. It involves being courteous, well-mannered and considerate towards people.
- **Rude:** Rude refers to impolite behavior or conduct that shows disrespect, ill-manners or discourtesy towards others. It involves being discourteous, ill-mannered, or disrespectful in one's behavior.
- **Civil:** Civil refers to behavior or conduct that is polite, courteous, and respectful towards others. It involves being well-mannered, courteous and respectful towards people, especially in formal or professional settings.
- **Decent:** Decent refers to behavior or conduct that is considered proper, fitting or appropriate in a given situation. It involves adhering to acceptable standards of morality, behavior, or conduct.
- **Sober:** Sober refers to a state of not being intoxicated by alcohol or drugs. It also means being serious, calm, and rational in one's behavior, conduct, or thinking.

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

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-12-02 in the Evening exam is as follows:

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- 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness, 25 questions were asked from Quantitative Aptitude and 25 questions were asked from English Language
4. 22 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Logical Reasoning

1. Coding Decoding - 2
2. Analogy - 4
3. Classification - 2
4. Blood Relations - 2
5. Syllogism - 2
6. Dictionary Based - 1
7. Figure Based - 4
8. Matrix - 1
9. Series - 3
10. Mathematical Reasoning - 3
11. Image Classification - 1

General Awareness

1. Geography - 1
2. GK Misc - 24

Quantitative Aptitude

1. Logarithm - 2
2. Arithmetic - 23

English Language

1. Grammar - 1
2. Cloze Test - 5

- Spotting Error - 3
- 4. Parajumbles - 1
- 5. Sentence Jumbles - 1
- 6. Idioms - 1
- 7. Phrasal Verbs - 1
- 8. One Word Substitution - 1
- 9. Narration - 1
- 10. Voice - 2
- 11. Synonym - 1
- 12. Antonym - 3
- 13. Filler (Vocab) - 2
- 14. Incorrectly Spelt - 2
- 15. Incorrectly Spelt - 2

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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