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 2021-08-17 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 :
In the following Venn diagram, the triangle stands for 'Players'. the hexagon stands for 'Indian', and the rectangle stands for 'Boys'. The given numnbers represent the number of persons in that particular category. How many Indians are players but are NOT boys?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 9

2. 11

3. 10

4. 8

Solution :
The correct answer is **Option 3** i.e. **10**.

In the Venn Diagram, the shaded portion represents the number of Indian players who are not boys.

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

Question 2 :

In a certain code language, 'Mango' is coded as '13-2-42-28-75' and 'GRAPE' is coded as '7-36-3-64-25'.How will 'APPLE' be coded in that languge?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 1-32-48-48-25

2. 1-32-24-21-30

3. 2-32-48-24-28

4. 2-16-48-21-25

Solution :

The correct answer is **Option 1** i.e **1-32-48-48-25.**

Positional values of English Alphabets:

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
26	25	24	23	22	21	20	19	18	17	16	15	14
Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Logic : The positional values of the given letters are multiplied by their serial number in the given word.

Code for MANGO :

```
        M    A    N    G    O
       13    2   42   28   75
```

M (13) = 13 X 1 = 13

A (1)   = 1 X 2 = 2

N (14) = 14 X 3 = 42

G (7) = 7 X 4 = 28

O (15) = 15 X 5 = 75

Similarly, code for GRAPE:

G	R	A	P	E
7	36	3	64	25

G (7) = 7 X 1 = 7

R (18) = 18 X 2 = 36

A (1) = 1 X 3 = 3

P (16) = 16 X 4 = 64

E (5) = 5 X 5 = 25

Similarly, for **APPLE:**

A (1) = 1 X 1 = 1

P (16) = 16 X 2 = 32

P (16) = 16 X 3 = 48

L (12) = 12 X 4 = 48

E (5) = 5 X 5 = 25

Therefore, code for **APPLE** will be:

A	P	P	L	E
1	32	48	48	25

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

Question 3 :
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 : 181 Seconds

Options :

1. NQT

2. MPS

3. QTV

4. PSV

Solution :

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

Let us see all the options:

1) NQT : N + 3 = Q; Q + 3 = T

2) MPS : M + 3 = P; P + 3 = S

3) QTV : Q + 3 = T; T + 3 = W

4) PSV : P + 3 = S; S + 3 = V

Option **3** doesn't follow the pattern. Thus, option **3** is the correct answer.

Question 4 :

There are 28 persons present at a press conference. After the conference they all shake hands with each other. If 7 of them refuse to shake hands at all, then how many hands shakes will be there altogether?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 378

2. 231

3. 420

4. 210

Solution :

The correct answer is **Option 4** i.e **210.**

Given,

Number of persons = 28

Number of persons who refused to shake hands = 7

Therefore, number of persons who shaked their hands = 28 - 7 = 21

Now,

21 (21 - 1) ÷ 2

21 × 20 ÷ 2

21 × 10 = **210**

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

Question 5 :
Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number. 396 : 24 : : ? : 28 : : 672 : 30

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

Options :

1. 504

2. 572

3. 588

4. 536

Solution :
The correct answer is **Option 2** i.e **572.**

Logic : **396 : 24**

24 - 4 = 20

$(20)^2$ - 4

400 - 4 = 396

672 : 30

30 - 4 = 26

$(26)^2$ - 4

676 - 4 = 672

Similarly, **572 : 28**

28 - 4 = 24

$(24)^2$ - 4

576 - 4 = 572

Hence, **572** is the correct answer.

Question 6 :

Select the option in which the numbers are related in the same way as are the numbers of the following set. (4, 8, 16)

Difficulty : Moderate   **Average Time : 67 Seconds**

Options :

1. (20, 24, 16)

2. (18, 6, 15)

3. (24, 15, 44)

4. (11, 16, 51)

Solution :

The correct answer is **Option 1** i.e **(20, 24, 16).**

Logic :

(1st number + 3rd number) = 2nd number

4 + 16 = 8

4 + 4 = 8 (2nd number)

Similarly,

20 + 16 = 24

20 + 4 = 24 (2nd number)

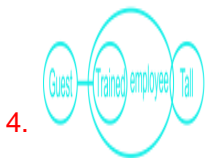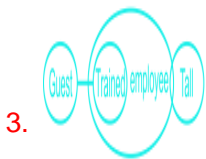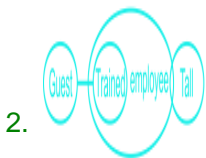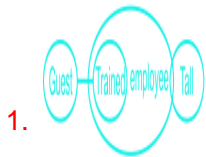Hence, **(20, 24, 16)** is the correct answer.

Question 7 :
Select the correct mirror image of the given figure when the mirror is placed to its right side.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1.

2.

3.

4.

Solution :

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

Since the mirror is placed on the right side of the image, the image will get horizontally inverted to form the mirror image. This means that the left side of the image will become the right side and vice versa.

The correct mirror image of the given figure, when the mirror is placed at MN, is shown below:

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

Question 8 :
Select the combination of letters that when sequenctially placed in the blanks of the given series will complete the series.
_Q_SP_R_ _Q_ _P_R_

Difficulty : Moderate   **Average Time : 83 Seconds**

Options :

1. P, R, Q, S, P, R, S, Q, S

2. P, R, Q, S, P, R, R, P, Q

3. S, P, R, S, P, R, Q, Q, S

4. P, R, Q, S, Q, S, P, R, S

Solution :

The correct answer is **Option 1** i.e **P, R, Q, S, P, R, S, Q, S.**

Given series: _ Q _ S P _ R _ _ Q _ _ P _ R _

Let's put all the options in the series and check.

Option 1: **P** Q **R** S P **Q** R **S P** Q **R S** P **Q** R **S**

It follows the pattern.

Option 2: **P** Q **R** S P **Q** R **S P** Q **R R** P **P** R **Q**

It doesn't follow any pattern.

Option 3: **S** Q **P** S P **R** R **S P** Q **R Q** P **Q** R **S**

It doesn't follow any pattern.

Option 4: **P** Q **R** S P **Q** R **S Q** Q **S P** P **R** R **S**

It doesn't follow any pattern.

We can divide the series in 4 parts and see that it follows a pattern. Hence, **P, R, Q, S, P, R, S, Q, S** is the correct answer.

Question 9 :

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 : 112 Seconds**

Options :

1. (16, 112)

2. (17, 119)

3. (18, 128)

4. (15, 105)

Solution :

The correct answer is **Option 3** i.e **(18, 128).**

Logic :

2nd number is exactly divisible by the 1st number. Now we can use this logic in all the options and see:

1) (16, 112)

   $112 \div 16$; R = 0

2) (17, 119)

   $119 \div 17$; R = 0

3) (18, 128)

   $128 \div 18$; R = 2

4) (15, 105)

   $105 \div 15$; R = 0

Since **option 3** does not follow the pattern, hence **(18, 128)** is the different pair.

Question 10 :

Ram, Rajat and Ramesh are the three sons of Kavita. Mukul is the son of Ram. Mukul's paternal grandfather is Jay. Jay has one daughter, Nikita, Rajat's son, Abhiram is married to Rani and their daughter is Ina. Nirmala is the daughter of Nikita. How is Jay related to Ina?

Difficulty : Moderate
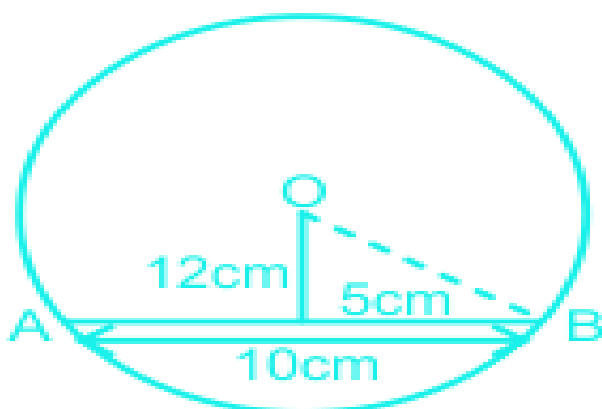
Average Time : 66 Seconds

Options :

1. Paternal uncle
2. Father-in-law
3. Great grandfather
4. Grandfather

Solution :

The correct answer is **Option 3** i.e **Great grandfather.**

Symbol in Diagram	Meaning
○	Female
□	Male
=	Married Couple
—	Siblings
|	Difference of A Generation

Now, we can show the relation through a flowchart:

Hence, option 3 is the correct answer, i.e.**Great Grandfather**.

Question 11 :
Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. ABD, CEI, EHN, ?

Difficulty : Moderate

Average Time : 51 Seconds

Options :
1. GIM
2. GHJ
3. FJR
4. GKS

Solution :

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

Logic:

A + 2 = C; C + 2 = E; E + 2 = **G**

B + 3 = E; E + 3 = H; H + 3 = **K**

D + 5 = I; I + 5 = N; N + 5 = **S**

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

Question 12 :
Select the option in which the words share the same relationship as that shared by the given pair of words. Flower : Floriculture

Difficulty : Moderate

Average Time : 46 Seconds

Options :
1. Silk : Silviculture
2. Honey : Horticulture
3. Mushroom : Viticulture
4. Earthworm : Vermiculture

Solution :

The correct answer is **Option 4** i.e **Earthworm : Vermiculture.**

Cultivation of flowers is called Floriculture.

Similarly, cultivation of Earthworm is called Vermiculture.

Now, let's see other options also:

1) Silk : Silviculture

   Cultivation of silk is called Sericulture and not Siviculture.

2) Honey : Horticulture

   Cultivation of Honey is called Apiculture ans not Horticulture.

3) Mushroom : Viticulture

   Cultivation of Mushroom is called Fungiculture and not Viticulture.
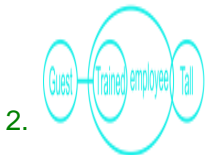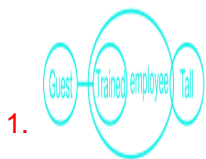
Hence, **option 4** is the correct answer.

Question 13 :

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

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

Options :

1.

2.

3.

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4.

Solution :

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

The method of unfolding the paper will be exactly reverse of the way in which it was folded.
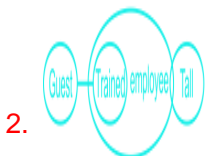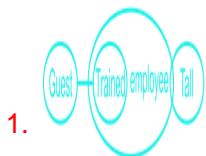

Question 14 :
Select the figure from among the given options that can replace the question mark (?) in the following series.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1.

2.

3.

4.

Solution :

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

In the given series, both the shapes are moving in anticlockwise direction and one side is increasing in one of the shapes. Hence, the new figure in the series is shown below:

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

Question 15 :
In a certain code language, 'PLIGHT' is written as 'JMQUIH'. How will 'CANDLE' be written in that langauge?

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

Options :

1. BODMFE

2. OBDFME

3. ODBFME

4. OBDFEM

Solution :

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

Positional values of English Alphabets:

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
26	25	24	23	22	21	20	19	18	17	16	15	14
Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Code:

P   L   I   G   H   T

J   M   Q   U   I   H

This code can be divided into two equal parts. In both the parts 1st and 3rd letters are diagonally adjacent to each other in the alphabet series whereas letters in the 2nd position are adjacent to each other in the alphabet series.

Therefore, the same pattern is followed by **OBDFME.**

C   A   N   D   L   E

O   B   D   F   M   E

Thus **option 2** is the correct answer.

Question 16 :
Selct the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Hygienic 2. Hydroplane 3. Hydroelectric 4. Hydroxide 5. Hydrology

Difficulty : Moderate   **Average Time : 153 Seconds**

Options :

1. 1, 2, 3, 4, 5

2. 3, 5, 2, 4, 1

3. 3, 5, 1, 2, 4

4. 3, 5,1, 4,2

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

The correct arrangement of given words as given in the dictionary is shown below :

3. **Hydro**electric

5. **Hydrol**ogy

2. **Hydrop**lane

4. **Hydrox**ide

1. **Hyg**ienic

 Therefore, **3, 5, 2, 4, 1** is the correct answer.

Question 17 :
Four words have been given, out of which three are alike in some manner and one is deifferent. Select the word that is different.

Difficulty : Moderate   **Average Time : 50 Seconds**

Options :
   1. Mistress

   2. Guide

   3. Instructor

   4. Mentor

Solution :
The correct answer is **Option 1** i.e **Mistress**.

Guide, Instructor and Mentor have the same meaning, i.e. one who shows the right direction or right path to somebody.

Mistress means a woman who has relationship with a married man.

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

Question 18 :
Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the

statements. Statements: No guest is trained. All trained are employees. Some employees are tall. Conclusions: I. Some tall are trained. II. Some employees are trained. III. No tall is guest.

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

Options :

1. Only conclusion I follows.

2. Only conclusion II follows.

3. Only conclusions I and II follow

4. All the conclusions follow

Solution :

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

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

Conclusions:

I) Some tall are trained - False (It is possible but not definite)

II) Some employees are trained - **True** (As it is given that all trained are employees, so some employees are definitely trained)

III) No tall is guest - **False** (It is possible but not definite)

Hence, **only conclusion II follows.**

Question 19 :
How many rectangles are there in the given figure?

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

Options :

1. 12

2. 8

10

4. 14

Solution :

The correct answer is **Option 4** i.e **14**.
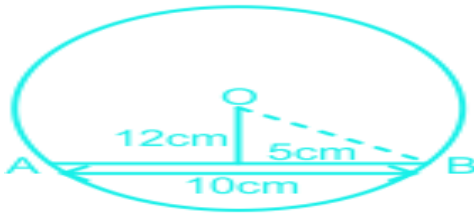
There are 14 rectangles: ABCD, AGHD, AFID, AEJD, AKEL, BEJC, BFIC, BGHC, BGMN, DJKL, HMNC, EFIJ, FGHI, EGHJ

Question 20 :

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

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

Options :

1.

2.

3.

4.

Solution :

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

Question 21 :

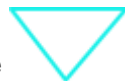Select the number from among the given options that can replace the question mark (?) in the following series. 215, 231, 256, 292, ?

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

Options :

1. 328

2. 341

3. 402

4. 369

Solution :

The correct answer is **Option 2** i.e **341**.

Given number series : 215, 231, 256, 292

The pattern followed here is :

215 + 16 = 231 or 215 + 4^2 = 231

231 + 25 = 256 or 231 + 5^2 = 256

256 + 36 = 292 or 256 + 6^2 = 292

292 + 49 = 341 or 292 + 7^2 = 341

Thus, **341** will complete the series.

Question 22 :

Two different positions of the same dice are shown, the face of which are marked with the number IX, X, XI, XII, XIII and XIV. Select the number that will be on the face opposite to the face having the number 'XIV'.

Difficulty : Moderate   **Average Time : 50 Seconds**

Options :

XI

2. IX

3. X

4. XII

Solution :

The correct answer is **Option 1** i.e **XI**.
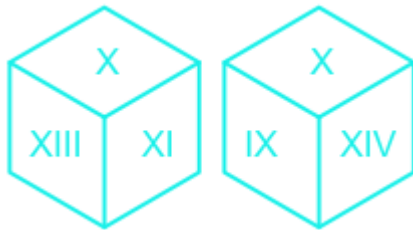
In both the figures, number X is common. If two dice have one common number, then their clockwise or anti clockwise numbers will be opposite numbers.

so, **XI will be opposite to XIV**

IX will be oppsite to XIII

X will be opposite to XII

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

Question 23 :
Select the correct combination of mathematical signs that can sequentially replace the signs and make the equation correct. 48 * 12 * 8 * 15 * 3 * 44

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

Options :

1. ×, +, =, -, +

2. ÷, ×, +, -, =

3. +, ÷, ×, -, =

4. =, ×, +, +, -

Solution :

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The correct answer is **Option 2** i.e ÷, ×, +, -, =

Given equation: 48 * 12 * 8 * 15 * 3 * 44

Let us use all the options in this equation.

1) ×, +, =, -, +

   48 × 12 + 8 = 15 - 3 + 44

   576 + 8 = 59 - 3

   584 56

2) ÷, ×, +, -, =

   48 ÷ 12 × 8 + 15 - 3 = 44

   4 × 8 + 15 - 3 = 44

   32 + 15 - 3 = 44

   47 - 3 = 44

   44 = 44

3) +, ÷, ×, -, =

   48 + 12 ÷ 8 × 15 - 3 = 44

   48 + 1.5 × 15 - 3 = 44

   48 + 22.5 - 3 = 44

   70.5 - 3 = 44

    67.5 44

4) =, ×, +, +, -

   48 = 12 × 8 + 15 + 3 - 44

   48 = 96 + 18 - 44

   48 = 114 - 44

   48 70

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

Question 24 :

Select the option in which the numbrs are NOT related in the same way as are the numbers of the following set. (7, 51, 22)

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. (4, 18, 19)

2. (11, 123, 26)

3. (6, 38, 22)

4. (3, 11, 18)

Solution :

The correct answer is **Option 3** i.e **(6, 38, 22).**

Given Number : (7, 51, 22)

Logic:

$(1st\ number)^2 + 2 = $ 2nd number

1st number + 15 = 3rd number

$7^2 + 2 = 49 + 2 = 51$(2nd number)

7 + 15 = 22 (3rd number)

Let's use this logic in all the options:

1) (4, 18, 19)

$4^2 + 2 = 16 + 2 = 18$

4 + 15 = 19

2) (11, 123, 26)

$11^2 + 2 = 121 + 2 = 123$

11 + 15 = 26

3) (6, 38, 22)

$6^2 + 2 = 36 + 2 = 38$

6 + 15 = 21

4) (3, 11, 18)

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$3^2 + 2 = 11$

$3 + 15 = 18$

All the options follow the logic except option 3. Hence, **Option 3** is the correct answer.

Question 25 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Sheep : Lamb :: Cockroach :?

Difficulty : Moderate   **Average Time : 67 Seconds**

Options :

1. Larva
2. Caterpillar
3. Filly
4. Nymph

Solution :

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

Lamb is the young one of sheep.

Similarly, **Nymph** is the young one of cockroach.

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

Question 26 :

Which Ministry of the Government of India received the SKOCH Challenger Award for 'Best Performance in e-Governance' in January 2021?

Difficulty : Moderate   **Average Time : 43 Seconds**

Options :

1. Ministry of Tribal Affairs
2. Ministry of Parliamentary Affairs
3. Ministry of Education
4. Ministry of Information and Broadcasting

Solution :

The correct answer is **Option 1** i.e. **Ministry of Tribal Affairs.**

The SKOCH Challenger Award for "Transparency in Governance" went to the Union Ministry of Tribal Affairs.

- SVAMITVA (Survey of Villages and Mapping with Improvised Technology in Village Areas) Scheme, e-GramSwaraj, mActionSoft, AuditOnline, and ServicePlus are a few of the Ministry's transformational projects.
- For its numerous initiatives, including the Digital Dashboard and Digital Transparency on its 20+ Online Portals with updated information of its implemented schemes, taken during the year 2020, the Ministry of Tribal Affairs (MoTA) received the coveted "SKOCH Challenger Award"- "Best Performance in e-Governance."

Question 27 :

Which of the following statements is related to positive economics?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. An increase in money supply implies a price rise in an economy.

2. Inequalities in the distribution of wealth and incomes should be reduced.

3. Inflation is better than deflation.

4. More production of luxury goods is not good for a less developed country.

Solution :

The correct answer is **Option 1** i.e **An increase in money supply implies a price rise in an economy.**

- A rise in prices in an economy is implied by an increase in the money supply.
- The description, quantification, and explanation of economic processes, expectations, and related phenomena are the main goals of the field of positive economics.

Question 28 :

Who among the following along with Motilal Nehru was instrumental in the creation of the Swaraj Party?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Chittaranjan Das

2. Surendranath Banerjee

3. Bipin Chandra Pal

Subhash Chandra Bose

Solution :

The correct answer is **Option 1** i.e. **Chittaranjan Das.**

Chittaranjan Das, along with one of the prominent leader Motilal Nehru set up the Swaraj Party.

- As a result, they established the Swaraj Party within the Indian National Congress in 1922.
- In order to resist, British colonialism from within and provide the people of India with a responsible and responsive government by holding the colonial administration accountable, Motilal Nehru and Chittaranjan Das founded the Swaraj Party.

Question 29 :

Which of the following civic bodies was declared as the 'Gest Performing Municipal Corporation' in India in December 2020 for implementing the Pradhan Mantri Awas. Yojana-Urban Mission? The annual awards were announced by the Ministry of Housing and Urban Affairs.

Difficulty : Moderate   **Average Time : 61 Seconds**

Options :

1. Greater Vishakhapatnam Municipal Corporation

2. Guwahati Municipal Corporation

3. Bhopal Municipal Corporation

4. West Delhi Municipal Corporation

Solution :

The correct answer is **Option 1** i.e **Greater Vishakhapatnam Municipal Corporation.**

The Greater Visakhapatnam Municipal Corporation (GVMC) has been named the nation's top performing municipal organisation.

- This was announced by the Union Ministry of Housing and Urban Affairs as part of the Annual Awards for Excellence for its support of the PMAY-Urban programme in 2019.

Question 30 :

Which of the following states banned online gaming in October 2020?

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

Options :

    Gujarat

2. Maharshtra

3. Andhara Pradesh

4. Madhya Pradesh

Solution :

The correct answer is **Option 3** i.e **Andhara Pradesh.**

The Andhra Pradesh Gaming Amendment Bill-2020 was approved by the Legislative Assembly.

- The 1974 Andhra Pradesh Gaming Act was modified.
- The state of Andhra Pradesh has outlawed online gaming, betting, and gambling. The state also requested that all internet service providers block access to 132 websites and applications, including Paytm First Game, Mobile Premier League, and Adda52, that offer these activities in the state.

Question 31 :
The language 'Idu Mishmi' is spoken in the state of_____.

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

Options :

1. Punjab

2. Madhya Pradesh

3. Arunachal Pradesh

4. Kerala

Solution :

The correct answer is **Option 3** i.e. **Arunachal Pradesh.**

In some parts of Arunachal Pradesh, the Mishmi people speak a minor language known as Idu Mishmi.

- In China's Tibet Autonomous Region's Zayü County, the language is also used.
- Mishmi is a tribe of tribal people who live primarily in Arunachal Pradesh (formerly known as the North East Frontier Agency), in the far northeastern region of India, close to Tibet and Assam, and who speak varieties of the Tibeto-Burman language family.

Question 32 :

Which one of the following element is Monatomic unit?

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

Options :

1. Gold

2. Sulphur

3. Hydrogen

4. Phosphorus

Solution :

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

- Gold is a group 11 element and a transition metal in terms of chemistry.
- One of the least reactive chemical elements, it solidifies under normal circumstances.
- In rocks, veins, and alluvial deposits, gold frequently exists in its free elemental (native) form as nuggets or grains.

Question 33 :

As of January 2021, who among the following was the Chairperson of the Central Board of Film Certification ?

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

Options :

1. Asha Parekh

2. Shekhar Kapoor

3. Rekha

4. Prasoon Joshi

Solution :

The correct answer is **Option 4** i.e **Prasoon Joshi .**

The board is presided over by Prasoon Joshi, who took over as chairman on August 11 after Pahlaj Nihalani was let off.

- Prasoon Joshi assumed leadership of the Central Board of Film Certification in January 2021.
- On August 11, 2017, he succeeded Pahlaj Nihalani as its 28th chairman.

Question 34 :

Mahavira, who was known in Pali Berature as Niganths Nataputta, founded a religion called _____.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Jainism
2. Zoroastrianism
3. Bahai
4. Sikhism

Solution :

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

Jainism was started by Mahavira, also known as Nigantha Nataputta in Pali literature.

- The 24th Tirthankar was Mahavir Swami.
- He is regarded as the true creator of Jainism.
- The lion is a symbol of Mahavir and his discipline is known as Chandrabala.
- He was also known as Vardhamana, Jaina, Jitendriya, Kevalin and Arihant.
- He was born to Siddhartha and Trisha (Lichchhavi princess) in the early 540 BC at Kundagrama near Vaishali in Bihar.
- He died at the age of 72 in Pawapuri which is presently in Bihar.

Question 35 :
_____ was conferred the honorary rank of General of the Nepali Army in November 2020.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Karambir Singh
2. MM Naravane
3. Bipin Rawat
4. Eakesh Kumar Singh Bahadauria

Solution :

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

Indian Army chief General MM Naravane was conferred the honorary rank of General of the Nepali Army by President Bidya Devi Bhandari at a special ceremony.

Along from meeting the senior brass of the Nepalese Army, General Naravane also had three days to meet with Prime Minister KP Oli.

Question 36 :
According to 'The Ramayana', Ratnakar was the other name of _____.

Difficulty : Moderate   Average Time : 48 Seconds

Options :

1. Valmiki

2. Burbasa

3. Gautam

4. Vishvamitra

Solution :
The correct answer is **Option 1** i.e. **Valmiki.**

Valmiki is referred to as the Adikavi or First Poet - the Poet of Poets of India because he wrote the first Sanskrit poetry, known as the Adikavya, which is now known as the epic Ramayana (Story of Lord Rama).

- He was born in ancient India to a sage by the name of Prachetasa among the banks of the Ganges. Ratnakara was his original name.
- And, when Lord Brahma appeared to bless him, he saw Ratnakara covered by the anthill or 'Valmika' and gave him the name Valmiki.

Question 37 :
The story of Maynamati and Gopichandra is a part of which of the following literary works?

Difficulty : Moderate   Average Time : 58 Seconds

Options :

1. Chandimangal Kavya

2. Manasamangal Kavya

3. Sanskrti epics

4. Nath literature

Solution :
The correct answer is **Option 4** i.e. **Nath literatureâ€‹â€‹â€‹â€‹â€‹â€‹.**

Nath literature includes the tale of Maynamati and Gopichandra.

- The tale of Queen Maynamati and her husband, Manik Chandra, is called Maynamati-Gopichandrer Gan and it promotes yoga principles.
- Manik Chandra was counselled to give up the material world by embracing the life of a sannyasin by Queen Maynamati, a Goraksanath devotee (asceticism).

Question 38 :

What is the botanical name of mango?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Monoon longifolium

2. Casuarina

3. Mangifera indica

4. Cocos nucifera

Solution :

The correct answer is **Option 3** i.e **Mangifera indicaâ€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹.**

Over 4000 years ago, the Ayurvedic and traditional medical systems began using the herb Mangifera indica (MI), usually referred to as mango or aam.

- In the flowering plant family Anacardiaceae, the genus Mangifera, which includes roughly 30 species of tropical fruiting trees, is where mangoes are found.

Question 39 :

Yerla, Warna and Dindi are tributaries of the _____ river system.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Brahmaputra

2. Krishna

3. Godavari

4. Kaveri

Solution :

The correct answer is **Option 2** i.e. **Krishnaâ€‹â€‹â€‹â€‹â€‹â€‹.**

Tributaries of the Krishna river system include Yerla, Warna, and Dindi.

- Its source is in the Maharashtra state's Western Ghats, close to Mahabaleshwar.
- It passes across Telangana, Andhra Pradesh, Karnataka, and Maharashtra.
- Nearly 8% of the country's total land area is covered by the Krishna Basin.

Question 40 :
Name the captain of the Indian men's hockey team, #8 on January 2021:

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

Options :

1. SV Sunil

2. Manpreet Singh Pawar

3. Simranjeet Singh

4. Lalit Upadhyay

Solution :
The correct answer is **Option 2** i.e **Manpreet Singh Pawarâ€‹.**

Manpreet Singh, who led the Indian team to a historic Bronze medal at the Olympic Games in Tokyo last year, will serve as the team's captain. Harmanpreet Singh, a specialist in dragflicks and the FIH Hockey Pro League's leading scorer, has been selected the team's vice captain.

Question 41 :
Who among the following was the first to conclude that in vacuum all objects fall with the same acceleration g and reach the ground at the same time?

Difficulty : Moderate　　　　　　　　　　　　　　**Average Time : 51 Seconds**

Options :
1. Thomas Alva Edison

2. Isaac Newton

3. Galileo Galilei

4. Albert Einstein

Solution :

The correct answer is **Option 3** i.e **Galileo Galilei.**

Galileo Galilei made the startling discovery that all free falling objects fall with the same acceleration over 400 years ago.

- Galileo is recognised for his discoveries, including the first to describe telescopic sightings of the moon's highlands, Jupiter's moons, Venus's phases, and Saturn's rings.

Question 42 :

What was the total number of goals scored in the finals of the FIFA World Cup 2016?

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

Options :

1. Four

2. Three

3. Five

4. Six

Solution :

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

The total number of goals scored in the finals of the FIFA World Cup 2016 is 6.

- The 2016 FIFA Club World Cup in Japan was won by Real Madrid, giving them three championships overall.

Question 43 :

Who is the author of the book 'Tarikh-i-Dilkusha'?

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

Options :

1. Panini

2. Bhimsen

3. Sushruta

4. Charaka

Solution :

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

Bhimsen Saxena wrote a memoir of Aurangzeb titled as "Tarikh-i Dilkusha."

- It was written in 1707.
- The language used to write it was Persian.
- It was translated into English by Jadunath Sarkar.

Question 44 :

Who among the following economists formulated the Law of Diminishing Marginal Utility (DMU)?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Adam Smith
2. H.H. Gossen
3. David Ricardo
4. Milton Friedman

Solution :

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

The Law of Diminishing Marginal Utility was created by HH Gossen (DMU). In 1854, he created this rule.

- Three economic principles known as "Gossen's laws" were developed by Hermann Heinrich Gossen (1810–1858).
- The "law" of diminishing marginal utility, often known as Gossen's First Law, states that marginal utilities are declining over the ranges that are important for making decisions.

Question 45 :

How many microns are there in a meter?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 1000
2. 10000
3. 1000000
4. 100000

Solution :

The correct answer is**Option 3** i.e **1000000 .**

0.000001 metre (m) is 1 micron (μ).

- In the metric system, a micron serves as a unit of measurement.
- It is equivalent to one thousandth of a millimetre and one millionth of a metre.

Question 46 :

To which neighbouring country was the Indian Peace Keeping Force (IPKF) sent in the year 1987?

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

Options :

1. Bhutan

2. Burma

3. Nepal

4. Sri Lanka

Solution :

The correct answer is **Option 4** i.e **Sri Lanka â€‹â€‹â€‹â€‹â€‹â€‹â€‹.**

Indian Peace Keeping Force (IPKF) performed a peacekeeping operation in Sri Lanka on 29 July 1987.

- Between 1987 and 1990, the Indian military force ran a peacekeeping mission in Sri Lanka under the name Indian Peace Keeping Force (IPKF).
- It was established in accordance with the 1987 Indo-Sri Lankan Accord, which sought to put an end to the conflict between the Sri Lankan military and militant Sri Lankan Tamil nationalist groups like the Liberation Tigers of Tamil Eelam.

Question 47 :

As per Article_____ of the Constitution of India, English is the official language for all the high courts in the country.

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

Options :

1. 329 (1)

2. 348 (1)

3. 336 (1)

4. 315 (1)

Solution :

The correct answer is **Option 2** i.e **348 (1) â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹.**

English is the official language of the Indian high courts, according to Article 348 (1) of the Indian Constitution.

- Hindi written in Devanagari was designated as the official language of the union by the Indian constitution in 1950.
- The use of English for official purposes was supposed to end on January 26, 1965, 15 years after the constitution took effect, unless Parliament made an exception.

Question 48 :

Which of the following does NOT figure among the main functions of the root system of a plant?

Difficulty : Moderate   **Average Time : 50 Seconds**

Options :

1. Supply of food to plant parts.

2. Absorption of water from the soil

3. Absorption of mineral from the soil

4. Providing a proper anchorage to the plant parts

Solution :

The correct answer is **Option 1** i.e **Supply of food to plant parts. â€‹â€‹â€‹**

The primary role of a plant's root system is not to give nourishment to plant components.

The following tasks are carried out by roots:

- The soil's nutrients and water are absorbed through roots.
- They firmly moor the plant.
- They support the storage of nutrients and food.
- Water and minerals are delivered to the plant by the roots.

Question 49 :

The river Ganga divides the state of Bihar into __ parts.

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

Options :

1. 5

3

3. 2

4. 4

Solution :

The correct answer is **Option 3** i.e. **2**. â€‹â€‹â€‹

The river Ganga divides the state of Bihar into two parts.

- The Ganges River, which flows across the centre of the Bihar Plain from west to east, divides it into two unequal parts (North Bihar and South Bihar).
- The Ganges River flows through Bihar for 445 kilometres, making a total of 2525 kilometres.

Question 50 :

Identify the state animal of Assam.

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

Options :

1. Ox

2. One-horned Rhino

3. Elephant

4. Snow Leopard

Solution :

The correct answer is **Option 2** i.e **One-horned**

Rhino.â€‹â€‹â€‹â€‹â€‹â€‹â€‹ â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹

Assam's official animal is the one-horned rhino.

- Rhinoceros unicornis, often known as the one-horned rhino or Indian one-horned rhino, is an endangered species.
- Assam state in India is home to the majority of one-horned rhinos.
- Recent statistics indicate that there are about 3000 one-horned rhinos worldwide.

Question 51 :

The marked price of an article is â‚¹240. A shopkeeper sells it by allowing 18% discount on its marked price and still gains 23%. What is the cost price (in â‚¹) of the article?

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

Options :

1. 200
2. 180
3. 160
4. 150

Solution :

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

Here the marked price = ₹240

Discount offer = 18%

The selling price of the article becomes = 240 × 82/100 = ₹196.8

Gain% = 23%

Cost price of the article = $\frac{196.8}{(100+23)} \times 100$ = ₹160.

Question 52 :

Each one of five men independently can complete a work in 20 days. The work is started by one person. Next day one more person joins and every next day one more person joins. From the fifth day, five day persons continued working as a team. In how many days, will the work be completed?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

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

Solution :

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

Suppose 1 man does 1 unit of work in 1 day.

Total work = 1 × 20 = 20 units.

Work done on the very first day = 1 unit

Now one person with the same efficiency joins the team, so the work done on the second day = 2 units.

Similarly for the third day = 3 units.

Work done on the fifth day = 5 units.

Total work done in % days altogether = 1 + 2 + 3 + 4 + 5 = 15 units.

Work done on the sixth day = 15 + 5 = 20 units

Hence required number of days = 5 + 1 = 6 days

Question 53 :
Points A and B are on circle with centre O, PAM and PBN are tangents to the circle at A and B respectively from a point P outside the circle. Point Q is on the major are AB such that QAM = 58° and QBN = 50°, then find the measure (in degree) of APB.

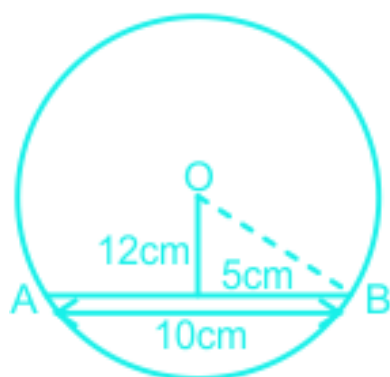**Difficulty : Moderate**   **Average Time : 66 Seconds**

Options :
1. 36
2. 40
3. 30
4. 32

Solution :
The correct answer is **Option 1**. i.e **36.**

One knows that the radius is always perpendicular to the tangent.

$\angle$QAM = 58° so $\angle$OAQ = 90 - 58 = 32°.

$\angle$QBN = 50° so $\angle$OBQ = 90 - 50 = 40°.

OA = OQ = OB = Radius

$\angle$OAQ = $\angle$OQA = 32° and $\angle$OBQ = $\angle$OQB = 40°

$\angle$AQB = 32 + 40 = 72°.

(Angle subtended by the arc at the centre is twice of the angle subtended by the same arc at any point of the circumference)

$\angle$AOB = 2 × 72 = 144.

$\angle$APB = 180 - $\angle$AOB = 180 - 144 = 36°.

Question 54 :

Find the sum of squares of the greatest value and the smallest value of K in the number so that number 45082K is divisible by 3.

Difficulty : Moderate   **Average Time : 101 Seconds**

Options :

1. 100

2. 68

3. 50

4. 64

Solution :

The correct answer is **Option 2**. i.e **68.**

The divisibility rule of 3 says that the sum of the digits of a number must be divisible by 3.

Sum of the digit of the number = 4 + 5 + 0 + 8 + 2 + K = 19 + K.

The possible value of K so which the required number must be divisible by 3 will be 2, 5, 8.

The greatest possible value of K is 8 and the smallest possible value of K is 2.

Required sum = 8^2 + 2^2 = 64 + 4 = **68.**

Question 55 :

In triangle ABC, D is a point on BC such that BD : DC = 3 : 4. E is a point on AD such that AE " ED = 2 : 3. Find the ratio area (ECD) : area (AEB).

Difficulty : Moderate
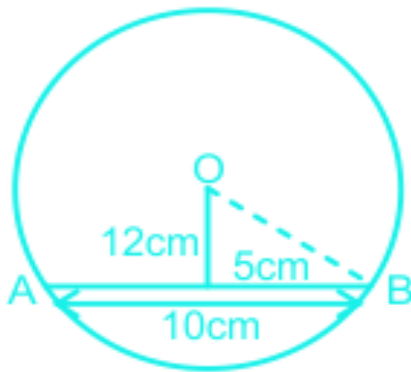
Average Time : 56 Seconds

Options :

1. 9 : 8
2. 2 : 1
3. 1 : 2
4. 8 : 9

Solution :

The correct answer is **Option 2**. i.e. **2 : 1.**

As one knows that the line from vertex (cevian) cuts the opposite side in a certain ratio then the area of two new triangles is also divided in that ratio.

Area of $\triangle$ BED : Area of $\triangle$ EDC = 3 : 4.......(1)

Area of $\triangle$ BED : Area of $\triangle$ AEB = 3 : 2......(2)

On combining both the equation we get,

Area of $\triangle$ BED : Area of $\triangle$ EDC : Area of $\triangle$ AEB = 3 : 4 : 2.

Now Area of $\triangle$ EDC : Area of $\triangle$ AEB = 4 : 2 = 2 : 1.

Question 56 :

The pie chart shows the percentage distribution of a total of 800 employees in different department of a company. How many employees are working in the field of marketing?

Difficulty : Moderate

Average Time : 78 Seconds

Options :

176

2. 200

3. 240

4. 120

Solution :

The correct answer is **Option 1**. i.e **176.**

Number of employees working in marketing = 22/100 × 800 = **176.**

Question 57 :

If 4x4 = 5x2 - 1, x > (rac{1}{sqrt2}), then what is the value of (2x2 - x - 1)?

Difficulty : Moderate   **Average Time : 34 Seconds**

Options :

1. 1

2. -2

3. 0

4. 2

Solution :

The correct answer is **Option 3**. i.e **0.**

$4x^4 = 5x^2 - 1$

$4x^4 - 5x^2 + 1 = 0$

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

$4x^2 (x^2 - 1) - 1(x^2 - 1) = 0$

$(x^2 - 1)(4x^2 - 1) = 0.$

x = 1 and 1/2 (i.e., 1/2 is not possible because $x > \frac{1}{\sqrt2}$).

x = 1.

$(2x^2 - x - 1) = 2 \times 1 - 1 + 1 = \mathbf{0}$

Question 58 :

In triangle ABC, P and Q are the mid points of AB and AC, resecptively. R is a point on PQ such that PR : RQ = 3 : 5 and QR = 20 cm, then what is the length (in cm) of BC?
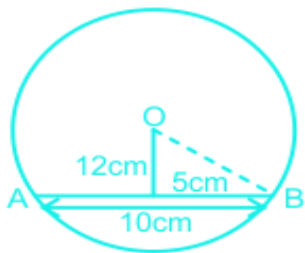
Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. 66.66
2. 24
3. 64
4. 40

Solution :

The correct answer is **Option 3**. i.e **64.**

Here RQ = 20 cm.

The ratio of PR : RQ = 3 : 5

5x = 20 x = 4 cm.

3x = 3 × 4 = 12 cm.

PQ = 20 + 12 = 32 cm.

BC = 2 × PQ (By using mid point theorem)

BC = 2 × 32 = 64 cm.

Question 59 :

The cost price and the marked price of an item are ₹720 and ₹900 respectively. When it is sold at a discount of x%, the profit is $\left(\frac{5x}{3}\%\right)\%$. What is the value of x?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

$5\frac{5}{7}$

2. $5\frac{4}{7}$

3. $7\frac{4}{7}$

4. $8\frac{4}{7}$

Solution :

The correct answer is **Option 4**. i.e $8\frac{4}{7} \%$

Cost price = ₹720

Marked price = ₹900

Discount% = x%

Selling price = 900 × (100 - x)/100 = 900 - 9x.

Profit % = (5x/3)%

Selling price = 720 × (300 + 5x)/300 = 720 + 12x

720 + 12x = 900 - 9x

21x = 180

x = $8\frac{4}{7}$%

Question 60 :

Bar graph shows the number of students enrolled for a vocational course in institutes A and B during 5 years from 2014 to 2018. The total number of students enrolled in institute B during 2014, 2016 and 2018 is what percent of the total number of students enrolled in institute A during the five Years?

Difficulty : Moderate   **Average Time : 61 Seconds**

Options :

1. 66%

2. 49%

3. 57%

4. 75%

Solution :

The correct answer is **Option 1** i.e **66%.**

The total number of students enrolled in institute B during 2014, 2016 and 2018 = 825

The total number of students enrolled in institute A during the five years = 1240

Required % = (825/1240) × 100 = **66%**

Question 61 :

The following following pie charts represent the distribution of candidates who wear enrolled for competitive examination and the candidates (out of those enrolled) who passed the exam from five different institute P, Q, R, S and T. Fig (i) Total number of candidates enrolled in five different institutes= 7500 Fig (ii) Total number of candidates passed the examination from five institutes = 4000 What is the pass percentage for institute Q? (correct uotp one decimal place)

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

Options :

1. 71.1%

2. 42.7%

3. 48%

4. 80%

Solution :

 The correct answer is **Option 2** i.e **42.7%.**

Number of students enrolled from institute Q = 30% of 7500 = 2250

Number of students passed from institute Q = 24% of 4000 = 960

Percentage of students passed from institute Q = (960/2250) × 100 = **42.66 % (42.67% approx).**

Question 62 :

The ratio of present ages of A and B is 7 : 8. After 6 years from now, the ratio of their ages will be 8 : 9. If C's present age is 10 years more than the present age of A, then the present age (in years) of C is:

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

Options :

1. 45

2. 52

3. 59

56

Solution :

The correct answer is **Option 2** i.e **52.**

Let the present age of A and B be 7x and 8x.

After six years,

Age of A and B becomes (7x + 6) and (8x + 6).

According to the question,

(7x + 6)/(8x + 6) = 8/9

63x + 54 = 64x + 48

x = 6

Present age of A = 7x = 7 × 6 = 42 years.

Present age of C = 42 + 10 = 52 years.

Question 63 :
A sports-good shop has tennis balls of 3 colors - red - green and white. The number of white balls is 60% more than number of red balls and the number of green balls is 12.5% less than number of white balls. If total number of balls is 120, then how many green balls are there?

Difficulty : Moderate   Average Time : 58 Seconds

Options :

1. 48

2. 40

3. 42

4. 30

Solution :

The correct answer is **Option 3** i.e. **42.**

Here it is given that, The number of white balls is 60% more than the number of red balls

The ratio of the number of white balls to the number of red balls = 160 : 100 = 8 : 5

The number of green balls is 12.5% less than the number of white balls

The ratio of the number of green balls to the white balls = 87.5 : 100 = 7 : 8

Here the number of white balls is common in both the ratio so to combine both ratios, the number of white balls must be equal

The ratio of the number of white balls, green balls, and red balls = 8 : 7 : 5

8x + 7x + 5x = 120

20x = 120

x = 6

Number of green balls = 7x = 7 × 6 = **42 balls**

Question 64 :
If x2 + 9y2 + 4z2 = 12 (x - 2y - 2z) - 88, then the value of (x - 3y + z) is) is:

Difficulty : Moderate   **Average Time : 67 Seconds**

Options :

1. 11

2. 13

3. 10

4. 5

Solution :
The correct answer is **Option 2** i.e **13.**

$$\begin{aligned} &x^{2}+9 y^{2}+4 z^{2}=12(x-2 y+2 z)-88 \\ &\Rightarrow x^{2}+9 y^{2}+4 z^{2}=12 x-24 y+24 z-88 \\ &\Rightarrow x^{2}+9 y^{2}+4 z^{2}-12 x+24 y-24 z+88=0 \\ &\Rightarrow x^{2}-12 x+36+9 y^{2}+24 y+16+4 z^{2}-24 z+36=0 \\ &\Rightarrow(x-6)^{2}+(3 y+4)^{2}+(2 z-6)^{2}=0 \end{aligned}$$

Now, one can conclude that,

x - 6 = 0 then x = 6.

3y + 4 = 0 then y = -4/3.

2z - 6 = 0 then z = 3.

So, x - 3y + z = 6 - 3 × -(4/3) + 3 = 13.

Question 65 :

A man can row a distance of 8 km downstream in a certain time and can row 6 km upstream in the same time. If he rows 24 km upstream and the same distance downstream in (1rac34) hours, then the speed (in km/h) of the current is:

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

Options :

1. $4\frac12$
2. 4
3. 3
4. $2\frac12$

Solution :

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

Let the speed of the boat and the stream be 'a' and 'b' km/hr.

Speed in case of downstream = (a + b)km/hr

Speed in case of downstream = (a - b) km/hr

Suppose it takes 't' time to row a distance of 8 km downstream and can row 6 km upstream.

According to the question,

8/(a + b) = 6/(a - b)

8a - 8b = 6a + 6b

2a = 14b

a = 7b

Let a = 7x and b = x

He rows 24 km upstream and the same distance downstream in $1\frac34$ hours,

$$\Rightarrow \frac{24}{a+b} + \frac{24}{a-b}=\frac{7}{4} \\ \Rightarrow \frac{24}{8x} + \frac{24}{6x}=\frac{7}{4} \\ \Rightarrow \frac{3}{x} + \frac{4}{x} = \frac74$$

x = 4

Question 66 :
If 7cos2 + 5sin2 - 6 = 0, (0°   90°) then, what is the value of (sqrt rac{cosecθ+tan θ}{secθ-cotθ}) ?

Difficulty : Moderate

Options :

1. $\sqrt 2+1$
2. $\sqrt 2-1$
3. $\sqrt 3 +1$
4. $\sqrt 3-1$

Solution :

The correct answer is **Option 1** i.e $\sqrt 2+1$.

$7\cos^2 + 5\sin^2 - 6 = 0$

$2\cos^2 + 5\cos^2 + 5\sin^2 = 6$

$2\cos^2 = (6 - 5)$

$\cos^2 = 1/2$

$= 45°$

$\sqrt{\frac{\csc θ +\tan θ}{\sec θ -\cot θ}}$ = $\sqrt\frac{\csc 45°+\tan 45°}{\sec 45°-\cot 45°}$
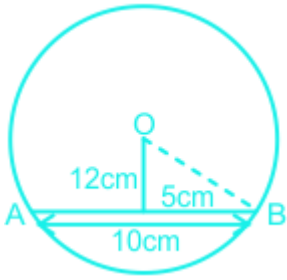$\sqrt\frac{\sqrt2 + 1}{\sqrt2 - 1}$ = $\sqrt2 + 1$.

Question 67 :

In a circle, a ten cm long chord is at a distance of 12 cm from the centre of the circle. Length of the diameter of the circle (in cm) is:

Difficulty : Moderate

Options :

1. 20
2. 22
3. 26
4. 13

Solution :

The correct answer is **Option 3** i.e â€‹â€‹â€‹â€‹â€‹â€‹26.

Here OB = radius of a circle also the hypotenuse of a right-angle triangle.

By using Pythagoras one gets,

$OB^2 = 12^2 + 5^2$.

OB = 13.

The diameter of the circle = 2 × 13 = **26 cm.**

Question 68 :
What is the area of the square (in cm2) whose vertices lie on a circle of radius 5 cm?

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

Options :

1. 80

2. 50

3. 100

4. 75

Solution :
 The correct answer is **Option 2** i.e â€‹â€‹â€‹â€‹â€‹â€‹50.

Let the side of a square = a unit.

Diameter of a circle = 10 cm

Diameter of the circle = Diagonal of the square = 10

By using Pythagoras theorem,

$a^2 + a^2 = 10^2$

$2a^2 = 100$

$a^2 = 50$.

Area of square = a^2 = **50 cm^2**

Question 69 :

The average score of 40 students in a class test in 45. Later on, it was found that at two places 25 was read as 35 and at one place 38 was read as 32. What is the actual average score of the class?

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

Options :

1. 43.80

2. 39.69

3. 45.35

4. 44.65

Solution :

The correct answer is **Option 4** i.e â€‹â€‹â€‹â€‹â€‹â€‹**44.65.**

One knows that,

Average = (sum of observation)/(number of observation)

So one can say that, Sum of observations = Average × number of observation

Sum of the score of 40 students = 45 × 40 = 1800.

Correct sum of marks of 4 students = 1800 - 35 - 35 - 32 + 25 +25 + 38 = 1786

Correct average marks of four students = 1786/4 = **44.65.**

Question 70 :

Simplify the following expression. ((rac{7}{16}Ã·rac12 of rac15)Ã—rac45-rac13Ã—rac58Ã·rac12+rac34)

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

Options :

1. $\frac{23}{6}$

2. $\frac{10}{3}$

3. $\frac{317}{96}$

$\frac{71}{150}$

Solution :

The correct answer is **Option 1** i.e ‹‹‹‹‹‹ $\frac{23}{6}$

$(\frac{7}{16} × \frac12 \text{ of } \frac15) — \frac45 - \frac13 × \frac58 × \frac12 + \frac34$

$(\frac{7}{16} \times 10) — \frac45 - \frac13 × \frac54 + \frac34$

$(\frac{70}{16}) — \frac45 - \frac5{12} + \frac34$

$\frac{7}{2} - \frac5{12} + \frac34 = \frac{23}{6}$

Question 71 :

If 4 sin2 (2x - 10)° = 3, 0 (2x - 10) 90 then, find the value of $\frac{\sin^4(x-5)^\circ + \cos^4(x-5)^\circ}{1 - 2\sin^2(3x-15)^\circ \cos(3x-15)^\circ}$

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

Options :

1. 5/8

2. -1

3. 1

4. $-\frac58$

Solution :

The correct answer is **Option 1** i.e ‹‹‹‹‹‹5/8.

$4 \sin^2 (2x - 10)° = 3$

$\sin^2 (2x - 10)° = 3/4$

$\sin(2x - 10)° = \frac{\sqrt{3}}{2}$

$\sin(2x - 10)° = \sin 60°$

$(2x - 10) = 60$

$2x = 70$

$x = 35°.$

$\Rightarrow \frac{\sin^4(x-5)^\circ + \cos^4(x-5)^\circ}{1 - 2\sin^2(3x-15)^\circ \cos(3x-15)^\circ}$

$\Rightarrow\frac{\sin^4(35-5)+\cos^4(35-5)}{1- 2\sin^2(105-15)\cos(105-15)} \\ \Rightarrow\frac{\sin^4(30)+\cos^2(30)}{1-2\sin^2(90)\cos(90)}$

$\Rightarrow \sin^4(30)+\cos^4(30)$ = $(\frac{1}{2})^4 + (\frac{\sqrt3}{2})^4$ = 1/16 + 9/16

10/16 = 5/8

Question 72 :
Simplify the following expression: $\frac{108×108×108-92×92×92}{108×108+92×92+108×92}$

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

Options :
1. 16
2. -1
3. 1
4. 200

Solution :
The correct answer is **Option 1** i.e â€‹â€‹â€‹â€‹â€‹â€‹16.

One knows that , $a^3 - b^3 = (a - b)(a^2 + ab + b^2)$

$\frac{108×108×108-92×92×92}{108×108+92×92+108×92}$

$\frac{108^3 - 92^3}{108^2+92^2+108×92}$

(108 - 92) = 16

Question 73 :
The value of $\frac{\sqrt2 \tan(60 ° - \theta)\tan(30° + \theta)}{\sin^2(45° - \theta)+ \cos^2(45° - \theta)}$ is:

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

Options :
1. $\sqrt 2$
2. 2
3. 1
4. $\frac{1}{\sqrt 2}$

Solution :

The correct answer is **Option 1** i.e $\sqrt 2$.

Here it is given that,

$\frac{\sqrt2 \tan(60° - \theta)\tan(30° + \theta)}{\sin^2(45° - \theta)+ \cos^2(45° - \theta)}$

$\frac{\sqrt2 \cot(90 - 60 ° + \theta)\tan(30° + \theta)}{\sin^2(45° - \theta)+ \cos^2(45° - \theta)}$

$\frac{\sqrt2 \cot(30 ° + \theta)\tan(30° + \theta)}{1}$ = $\sqrt2$

Question 74 :

A man borrowed a certain sum and agrees to repay it by paying Rs.4000 at the end of the first year and Rs.7700 at the end of the second year. If the rate of compound interest compounded annually is 10% per annum, then find the sum (in ₹)

Difficulty : Moderate   **Average Time : 81 Seconds**

Options :

   1. 11000

   2. 10000

   3. 9000

   4. 11500

Solution :

The correct answer is **Option 2** i.e ₹10000.

Let the principal is P

P amounts to $P(1 + 10/100)^1$ in 1 year

It is given that the man pays ₹4000 at the end of 1 year

Remaining Amount to pay = 1.1P - 4000

Now this (1.1P - 4000) becomes $(1.1P - 4000)(1 + 10/100)^1$

(1.1P - 4000)(1.1) = 7700

1.21P - 4400 = 7700

1.21P = 12100

P = Rs.10000

Question 75 :

The following bar graph shows the demand and production (in Lakhs) of motorcycles of five different companies A, B, C, D and E in 2020. What is the ratio of production of motorcycles of companies A, B, C, D and E, to that of the total demand of motorcycles of all the companies during the five years?

Difficulty : Moderate   **Average Time : 61 Seconds**

Options :

1. 33 : 50

2. 23 : 50

3. 53 : 50

4. 13 : 50

Solution :

The correct answer is **Option 3** i.e â€‹â€‹â€‹â€‹53 : 50.

The total production of motorcycles of five companies = 45 + 35 + 70 + 75 + 40 = 265 (in lakhs).

The total demand of motorcycle for five companies = 40 + 45 + 55 + 60 + 50 = 250

Required ratio = 265 : 250 = 53 : 50.

Question 76 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. No one are supposed to react to her prejudiced comments.

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

Options :

1. No one is supposed to react

2. No substitution

3. No one has supposed to react

4. No one had supposed to react

Solution :

The correct answer is **Option 1** i.eâ€‹â€‹â€‹â€‹No one is supposed to react.

In the above sentence the plural form of the verb **'are'** is **incorrect.**

- **Indefinite pronouns** like **no one, nobody, nothing, and nowhere** are used to refer **the absence of people, places and things.**
- These **indefinite pronouns** are used with **singular verb.**
- Hence, singular form of verb **'is'** should be used in place of **'are'.**

- **The Correct sentence is**-

   No one is supposed to react to her prejudiced comments.

Question 77 :
Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. The teacher asked the students for fill the form before entering the classroom.

Difficulty : Moderate   **Average Time : 76 Seconds**

Options :

1. the students to fill the form

2. No substitution

3. the students for filled the form

4. the students to filled the form

Solution :

The correct answer is **Option 1** i.e‚€‹‚€‹‚€‹‚€the students to fill the form.

- The use of preposition **'for'** before the verb **'fill'** is **incorrect.**
- **'To'(basic form of verb)** should be placed in place of preposition **'for'.**
- **'To' (basic form of verb)** is used in many sentence construction expressing the purpose of someone opinion about something.
- **'To' (basic form of verb)** express the idea of an action or the result of an action.
- Hence, **'To'** will be used with the basic form of verb i.e. **(to fill)**.

- **The Correct sentence is**-

   *The teacher asked **the students to fill the form** before entering the classroom.*

Question 78 :
Select the most appropriate ANTONYM of the given word. Dividing

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Deteaching

2. Breaking

3. Parting

4. Connecting

Solution :

The correct answer is **Option 4** i.eâ€‹â€‹â€‹â€Connecting.

- The meaning of **Dividing** is **'to seperate into parts'.**
- The meaning of correct option **Connecting is ' to join'.**
- Hence, it is clear that **Dividing and Connecting** are opposites i.e. **antonyms** of each other.

The correct solution is-

Antonym of DIviding is **Connecting.**

Question 79 :
Select the most appropriate ANTONYM of the given word. Segregate

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Correlate

2. Allude

3. Integrate

4. Implicate

Solution :

The correct answer is **Option 3 i.eâ€‹â€‹â€‹â€‹ Integrate**

- The meaning of **Segregate** is **'to seperate one thing from other'.**
- The correct option **Integrate** means **'to combine two things so that they become one'.**

Hence, **Segregate and Integrate** are **antonyms** of each other.

The correct solution is-

*Antonym of **Segregate** is **Integrate**.*

Question 80 :

Select the most appropriate synonym of the given word. Grumble

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

Options :

1. Call

2. Ring

3. Grin

4. Groan

Solution :

The correct answer is **Option 4** i.eâ€‹â€‹â€‹â€‹**Groan.**

- The meaning of grumble is **'to gripe in a negative manner'.**
- The meaning of groan is **'to express your sadness by making a deep, melancholy sound'.**
- Hence, **Grumble** and **Groan** are similar.

The correct solution is-

*Synonym of **Grumble** is **Groan.***

Question 81 :

Select the most appropriate option to fill in the blank. _____ yourself with the new perfume.

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

Options :

1. Pamper

2. Purify

3. Percolate

Prosper

Solution :

The correct answer is **Option 1** i.e‹€‹â€‹â€‹â€Pamper.

- The preceding line advises doing **anything** with a new perfume.
- The meaning of **Pamper** is **taking excellent care of someone and ensuring their comfort.**
- Hence, the correct statement is **Pamper yourself with the new perfume.**

The correct solution is-

Pamper yourself with the new perfume.

Question 82 :
Select the most appropriate meaning of the following idiom. Wild goose chase

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

Options :

1. A safari to spot rare animals

2. A long search for hidden prey

3. A worthless hunt or chase

4. Going to watch uncommon birds

Solution :

The correct answer is **Option 3** i.e‹€‹â€‹â€‹â€A worthless hunt or chase.

- A wild goose chase means **a pointless and entirely fruitless pursuit of something or someone that doesn't exist.**â€‹â€‹â€‹â€‹â€‹â€‹â€‹
- Hence, the meaning of the given idiom is **'A worthless hunt or chase'.**â€‹â€‹â€‹â€‹â€‹â€‹â€‹

The correct solution is-

*The appropriate meaning of the idiom is **a worthless hunt or chase.***

Question 83 :
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. He win / several accolades / for his / music compositions.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. several accolades

2. for his

3. He win

4. music compositions

Solution :

The correct answer is **Option 3** i.e‌‌‌He win.

- The given sentence is in **present perfect tense.**
- In the above sentence **the simple present tense "He win"** is **incorrect.**
- The present perfect tense refers **to a action that either happened in the past or occured at an indefinite time.**
- The above mentioned tense is formed **by has/ have+ past participle.**
- Since the pronoun **'He'** is singular hence it will take singular verb **'has'** and past participle form of verb **i.e. 'won'.**
- Hence, **"He has won"** should be used in place of **" He win".**

 The correct solution is-

 He has won *several accolades for his music compositions.*

Question 84 :
Select the option that expresses the given sentence in indirect speech. "| will work hard to get the first rank in class," said Rohan.

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. Rohan said that he would work hard to get the first rank in class.

2. Rohan said that he could work hard to get the first rank in class.

3. Rohan said that he ought to work hard to get the first rank in class.

4. Rohan said that he should work hard to get the first rank in class.

Solution :

The correct answer is **Option 1** i.e‌‌‌Rohan said that he would work hard to get the first rank in class.

- The above sentence is a **direct speech.**

Rules for changing **the direct speech into indirect speech** are as follows.

1. The pronoun for the first person **'I'** turns into the third person **'he'**.
2. The **commas, inverted commas** are removed and **"that"** is added.
3. The **present simple tense** format is changed into **past simple tense** format **i.e. " Subject +V1(will)+object"** will be converted to **" Subject +V2(would)+object".**

- **The correct answer is**-

   Rohan said that he would work hard to get the first rank in class.

Question 85 :

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. When she went for a walk / Maya couldn't take off her scarf / because it was / too much windy.

Difficulty : Moderate   **Average Time : 98 Seconds**

Options :

1. When she went for a walk

2. Maya couldn't take off her scarf

3. because it was

4. too much windy

Solution :

The correct answer is **Option 4** i.e‹€‹‹€‹‹€‹‹€‹ **too much windy.**

- **"Windy"** in the sentence is **an adjective**.
- When a noun indicates a **quantity**, the adjective **"too much"** is used first.
- In the above sentence, the adjective **"too much"** before **"windy"** is incorrect.
- In order to modify the adjectives **adverb "much too"** is used before adjectives.
- Hence, **" much too"** should be used in the place of **"too much".**

- **The Correct sentence is-**

   *When she went for a walk Maya couldn't take off her scarf because it was **much too**   windy.*

Question 86 :

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. In some cases, the problem of the lowering of the river bottom has caused the water table of the surrounding area to drop, which has adversely affected agriculture. B. Also, another problem, canalization with its

extensive system of locks and navigation dams, often seriously disrupts riverine ecosystems. C. The ever-increasing exploitation of rivers has given rise to a variety of problems. D. Further, extensive commercial navigation of rivers has resulted in much artificial improvement of natural channels, including increasing the depth of the channels to permit passage of larger vessels.

Difficulty : Moderate   **Average Time : 104 Seconds**

Options :

1. CDAB
2. DCAB
3. CABD
4. BDAC

Solution :

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

- The sentence **C i**s giving a general information about **"problems occuring due to the exploitation of the rivers"** hence, is an **independent** sentence.
- The next sentence will be sentence **A** as it **"introduces one of the problems i.e. the lowering of the river bottom has affected agriculture**"**.**
- The next sentence will be sentence **B** as it explains the next problem i.e. **"canalization seriously disrupts riverine ecosystems"**.
- The concluding sentence will be sentence **D** as it explains **"the advantages of extensive commercial navigation of rivers"**.

The correct paragraph is-

The ever-increasing exploitation of rivers has given rise to a variety of problems. In some cases, the problem of the lowering of the river bottom has caused the water table of the surrounding area to drop, which has adversely affected agriculture. Also, another problem, canalization with its extensive system of locks and navigation dams, often seriously disrupts riverine ecosystems. Further, extensive commercial navigation of rivers has resulted in much artificial improvement of natural channels, including increasing the depth of the channels to permit passage of larger vessels.

Question 87 :
Select the most appropriate option to fill in the blank. A major advertising _ was planned to launch the new brand of garments.

Difficulty : Moderate

Average Time : 100 Seconds

Options :

1. election

2. pension

3. campaign

4. ambush

Solution :

The correct answer is **Option 3** i.eâ€‹â€‹â€‹â€campaign.

- **The commercial for the new clothing brand** is mentioned in the above sentence**.**
- Campaign means **a planned strategy to accomplish a goal.**
- Hence, the correct answer **is Option 3.**

The complete sentence is-

*A major advertising **campaign** was planned to launch the new brand of garments.*

Question 88 :
Select the option that expresses the given sentence in passive voice. Who wrote the Ramayana?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. By who was the Ramayana written?

2. By whom was that who wrote the Ramayana?

3. By whom was the Ramayana written?

4. Who was that who wrote the Ramayana?

Solution :

The correct answer is **Option 3** i.eâ€‹â€‹â€‹â€By whom was the Ramayana written?.

- A sentence emphasizes **the subject and action performing in active voice.**
- A sentence emphasizes **object of the sentence or action in passive voice.**
- The given sentence is in **past simple tense** and is in **active voice.**
- The passive voice starts with **"By whom"** for active voice sentences starting with **"Who",** and the following

structure is followed**.**

1. Active voice- **who+V1+object.**
2. Passive voice- **by whom +helping verb+ objevt+V3.**
3. **V1** and **V3** are first and third form of verb respectively.

The correct sentence is-

By whom was the Ramayana written?

Question 89 :

Select the option that can be used as a one-word substitute for the given group of words. A news article that reports the recent death of a person

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

Options :

1. Mortuary

2. Review

3. Editorial

4. Obituary

Solution :

The correct answer is **Option 4** i.eObituary.

- Meaning of the all available options.

1. **Mortuary**- a space where corpses are held before being buried or burned, typically in a hospital.
2. **Review**- examination or reconsideration of something to determine whether changes are required.
3. **Editorial**- an editorial piece in a newspaper that typically expresses the editor's viewpoint on a significant issue.
4. **Obituary-** an account of a person's life that appears in a newspaper soon after that person has passed away.

The correct solution is-

As per the above meanings the correct one word substituion is **Obituary.**

Question 90 :

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. He was caught by the police on the spot. B. Anil bought a car last week. C. Unfortunately, the car met with an accident today. D. The accident took place due to the carelessness of his driver.

Difficulty : Moderate   **Average Time : 82 Seconds**

Options :

1. ABDC
2. BCDA
3. CDBA
4. DCAB

Solution :

The correct answer is **Option 2 i.e.â€‹â€‹â€‹â€‹BCDA.**

- The sentence **B** is giving a **general information** hence, is an **independent** sentence about **"Anil who bought a new car"** .
- The next sentence would be **C** as it explains **what happened** after Anil bought the car.
- The next in the sequence would be **D** as it explains the **reason of the accident**.
- The sentence **A** will be the **concluding part** as it explains **what happened with the driver following the accident**.

The correct paragraph sequence is-

Anil bought a car last week. Unfortunately, the car met with an accident today. The accident took place due to the carelessness of his driver. He was caught by the police on the spot.

Question 91 :

Select the INCORRECLTY spelt word.

Difficulty : Moderate   **Average Time : 74 Seconds**

Options :

1. Comedian
2. Camoflage
3. Custard
4. Caravan

Solution :

The correct answer is **Option 2** i.eâ€‹â€‹â€‹â€‹**Camoflage.**

- The correct spelling is **Camouflage** which means **the degree to which an animal's appearance complements its environment.**
- The rest of the words are spelt correctly with following meanings.

1. **Comedian**- A person whose job is to entertain people.

Custard- A milk, egg, and sugar-based sweet yellow sauce.

3. **Caravan**- A group of animal or people that travel together.

The correct solution is-

*Corrrect spelling is **Camouflage.***

Question 92 :

Select the INCORRECTLY spelt word.

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

Options :

1. Astound

2. Amount

3. Advice

4. Adress

Solution :

The correct answer is **Option 4** i.e€‹â€‹â€‹â€Adress.

- The correct spelling is **Address.**
- The meaning of address is **"a list of words and/or numbers indicating where you can locate someone or anything".**
- The rest of the words are spelt correctly.

The correct solution is-

*Correct spelling is **ADDRESS**.*

Question 93 :

Select the most appropriate meaning of the following idiom. Pat on the back

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

Options :

1. Mild form of disapproval or blame

2. Praise or approval for doing something good

Good massage for aches and pains

4. Friendly tap to push someone

Solution :

The correct answer is **Option 2** i.ePraise or approval for doing something good.**

- The meaning of the above idiom is **"to applaud and congratulate"**.
- **Praise and approval** has the same meaning as **applaud and congratulate**.
- Hence, as per the above meaning **"Praise or approval for doing something good**" is the correct option.

The correct solution is-

The idiom for **'Pat on the back'** is '**Praise or approval for doing something good'.**

Question 94 :

Select the most appropriate synonym of the given word. Wander

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

Options :

1. Run

2. Roam

3. Think

4. Sing

Solution :

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

- Wander means " **to walk slowly with even the sense of direction"**.
- The correct option **Roam** means **"to travel or walk aimlessly"**.
- Hence, **Wander** and **Roam** are similar.

The correct solution is-

Synonym of **'Wander'** is **'Roam'**.

Question 95 :

Select the option that can be used as a one-word substitute for the given group of words. Soft, inner part of a nut or fruit-stone

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

Options :

1. Bean

2. Pulp

3. Kernel

4. Caramel

Solution :

The correct answer is **Option 2** i.e‚Äã‚Äã‚Äã‚Ä**Pulp.**

- A fruit or vegetable's **soft, juicy, or moist inside part.**
- It is usually made of **mesocarp,** a fruit's soft, succulent portion.

The corrected solution is-

*Soft, inner part of a nut or fruit-stone is a **pulp.***

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 number. Ben committed (1) crime when he (2) a bank. Someone (3) the crime and told the police. The police charged him (4) the crime and put him behind bars. They also accused his twin brother, Bill, of being his (5) ,

Question 96 :
Select the most appropriate option to fill in blank number 1.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. an

2. many

3. a

4. much

Solution :

The correct answer is **Option 3** i.e‚Äã‚Äã‚Äã‚Ä**a .**

- The sentence **"Ben committed (1) crime when he robbed a bank"** talks about Ben committing the wrong in this case **a** crime.
- The most appropriate word to filled in the blank is **a.**

The letter **'a'** is used **where the the initial letter of the next word sounds like a consonant.**

The correct sentence is-

*Ben committed **a** crime when he robbed a bank.*

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 number. Ben committed (1) crime when he (2) a bank. Someone (3) the crime and told the police. The police charged him (4) the crime and put him behind bars. They also accused his twin brother, Bill, of being his (5) ,

Question 97 :
Select the most appropriate option to fill in blank number 2.

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

Options :

1. robbed

2. entered

3. liked

4. noticed

Solution :

The correct answer is **Option 1** i.eâ€‹â€‹â€‹â€‹robbed .

- The given sentence **"Ben committed a crime when he (2) a bank"** talks about Ben committing a crime by doing the wrong.
- The use of the word **'crime'** indicates the wrong action.
- Hence, the most appropriate word to be filled in the blank is **"robbed"**.
- The word **robbed** means **to illegally remove something—money, property, etc.—from someone or somewhere.**

Clearly, Ben committed a crime by robbing the bank.

The correct sentence is-

*Ben committed a crime when he **robbed** a bank.*

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 number. Ben committed (1) crime when he (2) a bank. Someone (3) the crime and told the police. The police charged him (4) the crime and put him behind bars. They also accused his twin brother, Bill, of being his (5) ,

Question 98 :

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

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

Options :

1. signed

2. witnessed

3. spoke

4. moved

Solution :

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

- The sentence **"Someone (3) the crime and told the police"** talks about someone watching the incident in this the crime.
- The use of the word **told** indicates s**omeone intimating the police about the crime.**
- Hence the most appropritae word to be filled in the blank is **'witnessed'.**
- The word 'witnessed' means **to be present when something occurs and be able to later inform others about it.**

Clearly, the particular sentence talks about someone **witnessed** the crime and told the police about it.

   The correct sentence is-

   Ben committed a crime when he **robbed** a bank.

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 number. Ben committed (1) crime when he (2) a bank. Someone (3) the crime and told the police. The police charged him (4) the crime and put him behind bars. They also accused his twin brother, Bill, of being his (5) ,

Question 99 :

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

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

Options :

1. in
2. with
3. of
4. on

Solution :

The correct answer is **Option 2** i.eâ€‹â€‹â€‹â€with â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹â€‹.

- The sentence **"The police charged him (4) the crime and put him behind bars"** talks about police charging him of a crime.
- The most appropriate word to filled in the blank is **"with"**.
- **'With'** refers to **the means by which we carry out an action.**

The correct solution is-

*The police charged him **with** the crime and put him behind bars.*

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 number. Ben committed (1) crime when he (2) a bank. Someone (3) the crime and told the police. The police charged him (4) the crime and put him behind bars. They also accused his twin brother, Bill, of being his (5) ,

Question 100 :

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

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. accomplice
2. colleague
3. adventurer
4. admirer

Solution :

The correct answer is **Option 1** i.eâ€‹â€‹â€‹â€accomplice .

The meaning of the given options is-

- **accomplice:** a person who helps another commit a crime.
- **colleague:** a person with whom one works in a profession or business.
- **adventurer:** a person who enjoys or seeks adventure.
- **admirer:** a person who has particular regard for someone or something.

Clearly, the particular sentence talks about Ben's twin brother Bill helping him in his crying. Hence, making him an **accomplice**.

The correct sentence is-

*They also accused his twin brother, Bill, of being his **accomplice**.*

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-17 in the Evening exam is as follows:
1. 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. 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

1. Coding Decoding - 2
2. Mirror Image - 1
3. Analogy - 4
4. Classification - 3
5. Missing Characters - 1
6. Blood Relations - 1
7. Syllogism - 1
8. Venn Diagrams - 1
9. Dictionary Based - 1

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12. Puzzle - 2
13. Mathematical Reasoning - 1
14. Cubes And Dice - 1
15. Embedded Figure - 1
16. Counting Figures - 1

General Awareness

General Awareness

1. GK Misc - 1

Quantitative Aptitude

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

English Language

1. Comprehensive - 1
2. Grammar - 2
3. Vocab - 1
4. Cloze Test - 4
5. Spotting Error - 2

Parajumbles - 2

7. Idioms - 1
8. One Word Substitution - 2
9. Sentence Improvement - 2
10. Synonym - 2
11. Antonym - 2
12. Filler (Vocab) - 1
13. Filler (Grammar) - 1
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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