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 2022-04-21 in the Morning exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :
The picture that won the World Press Photo of the Year 2021 contest is titled '_____'.

Difficulty : Moderate   Average Time : 43 Seconds

Options :

1. The First Embrace

2. Emancipation Memorial Debate

3. Straight Voice

4. Crying Girl on the Border

Solution :
The correct answer is **option 1** i.e. **The First Embrace**

- The picture that won the World Press Photo of the Year 2021 contest is titled **'The First Embrace'.**
- It was taken by **Mads Nissen,** a Danish photographer based in Copenhagen.
- In the winning image, Rosa Luzia Lunardi (85) is embraced by nurse Adriana Silva da Costa Souza, at Viva Bem care home, São Paulo, Brazil, on 5 August 2020.

Question 2 :
In which of the following dances do dancers balance pots containing lit lamps on their heads?

Difficulty : Moderate   Average Time : 54 Seconds

Options :

Dhangari Gaja dance

2. Koli dance

3. Tamasha dance

4. Chari dance

Solution :

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

- **Chari dance** is one of the popular folk dances in Rajasthan which is performed by groups of dancers. In this dance woman hold chari or pots on their head and a lighted lamp is then placed in the pot.
- This dance describes the art of collecting water in a chari or pot by the Rajasthani women in their day to day life.

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 : 57 Seconds**

Options :

1. EVAF

2. CXBH

3. TGLQ

4. KPUZ

Solution :

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

The logic used here is:

Opposite of 1st letter = 2nd letter

3rd letter + 5 = 4th letter

Option 1: EVAF

Opposite of E = V

A + 5 = F

This follows the logic.

Option 2: CXBH

Opposite of C = X

B + 5 = G

This does not follow the logic.

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

Question 4 :
Which two signs should be interchanged to make the given equation correct? 16 18 × 216 ÷ 432 + 40 = 20

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

Options :
   1. × and ÷
   2. ÷ and
   3. × and +
   4. + and

Solution :
The correct answer is **option 1** i.e. **× and ÷.**

Given equation: 16 18 × 216 ÷ 432 + 40 = 20

Option 1: × and ÷

After interchanging the expression becomes:

= 16 18 ÷ 216 × 432 + 40 = 20

= 20 is equal to 20.

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

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

Question 5 :
Eight friends, A, B, C, D, E, F, G, and H, are sitting in two lines of four persons each. Both the lines are facing each other. A is facing D. E is to the immediate left of G. H is to the immediate right of B. C is facing G. F is facing H. B is to the immediate right of the person who is facing G. D is to the immediate left of F. Which four persons are sitting in the same

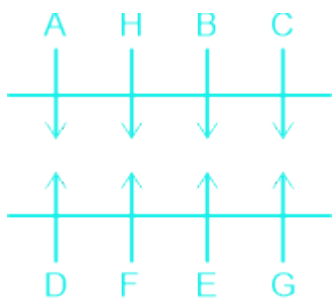line?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. A, B, C, H

2. C, D, E, F

3. B, C, D, H

4. A, C, F, G

Solution :

The correct answer is **option 1** i.e. **A, B, C, H.**

According to the question, the arrangement is as follows:

From the above arrangement, A, B, C, and H are sitting on the same line.

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

Question 6 :
Select the option that is related to the third number in the same way as the second number is related to the first number.
13: 1331:: 17:?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 1453

2. 3375

3. 1829

4. 2642

Solution :

The correct answer is **option 2** i.e. **3375.**

The logic used here is:

13: 1331

13 - 2 = 11^3 = 1331

Similarly,

17:?

17 - 2 = 15^3 = 3375

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

Question 7 :

Select the letter from among the given options that can replace the question mark (?) in the following series. E, F, I, N, U,?

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

Options :

1. A
2. N
3. Z
4. D

Solution :

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

Given series: E, F, I, N, U,?

The series follows this pattern:

E + 1 = F

F + 3 = I

I + 5 = N

N + 7 = U

U + 9 = D

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

Question 8 :

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: All peelers are funnels. Some peelers are spatulas. Conclusions: I. Some peelers are not funnels. II. Some spatulas are peelers.
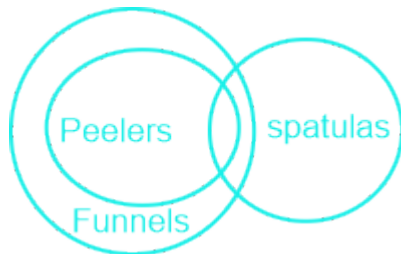
Difficulty : Moderate   **Average Time : 58 Seconds**

Options :

1. Only conclusion I follows

2. Both conclusions I and II follow.

3. Only conclusion II follows.

4. Neither conclusion I nor II follows.

Solution :

The correct answer is **option 3** i.e. **Only conclusion II follows.**

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

Conclusions:

I. Some peelers are not funnels **False** (It is possible, but no definite conclusion can be drawn).

II. Some spatulas are peelers **True** (As some peelers are spatulas, so the reverse is also true).

Hence, **Only conclusion II follows.**

Question 9 :

The sequence of folding a piece of paper (figure i) and the manner in which the folded paper has been cut (figure ii) is shown in the following figures. Select the option that would most closely resemble the unfolded form of figure (ii).

Difficulty : Moderate   **Average Time : 70 Seconds**
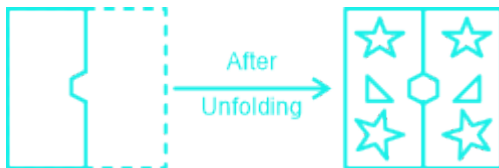
Options :

1.

2.

3.

4.

Solution :

The correct answer is **option 1** .

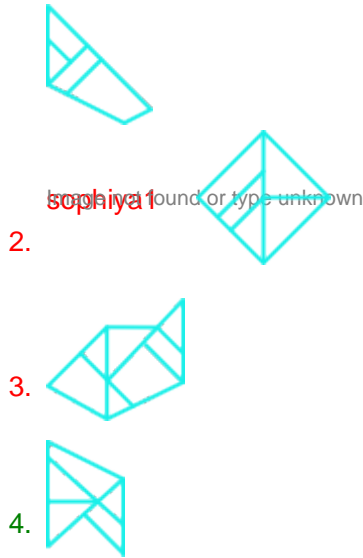After unfolding, the paper will appear as follows:

Question 10 :
Select the option that is embedded in the given figure (X) (rotation is NOT allowed).

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1.

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2.

3.

4.

Solution :

The correct answer is **option 4** .

The figure in option 4 is embedded in the given figure, as shown below:

Question 11 :
Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Serenity 2. Serpent 3. Serviceable 4. Sericulture 5. Serotonin

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 1, 4, 5, 2, 3

2. 2, 4, 5, 3, 1

3. 3, 4, 5, 2, 1

4. 1, 4, 2, 5, 3

Solution :

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

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

1. Serenity

2. Sericulture

3. Serotonin

4. Serpent

5. Serviceable

Question 12 :
Three different positions of the same dice are shown. Study the same and identify which of the following statements is correct.

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

Options :

1. 5 is opposite to 2

2. 6 is opposite to 1

3. 1 is opposite to 4

4. 3 is opposite to 6

Solution :

The correct answer is **option 2** i.e. **6 is opposite to 1.**

In the first and second dice, 1 and 2 are common. So, the rest of the faces are opposite to each other.

So, 3 is opposite to 5.

In the second and third dice, 2 and 5 are common. So, the rest of the faces are opposite to each other.

So, 1 is opposite to 6.

So, the opposite pairs are;

3 is opposite to 5.

1 is opposite to 6.

2 is opposite to 4.

Question 13 :

Select the number from among the given options that can replace the question mark (?) in the following series. 7, 16, 41, 94, 251,?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 468
2. 486
3. 568
4. 586

Solution :

The correct answer is **option 3** i.e. **568.**

Given series: 7, 16, 41, 94, 251,?

The series follows this pattern:

7 + 9 = 16

16 + (9 × 3 - 2) = 16 + 25 = 41

41 + (25 × 2 + 3) = 41 + 53 = 94

94 + (53 × 3 - 2) = 94 + 157 =251

251 + (157 × 2 + 3) = 251 + 317 = 568

So, the next term in the series is **568.**

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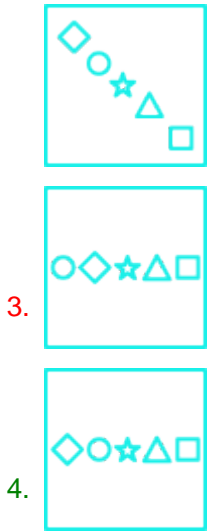Select the figure from among the given options that can replace the question mark (?) in the following series.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1.

2.

Page No: 10

3.

4.

Solution :

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

Here, the images inside the square are moving 45 degrees in the clockwise direction.

Also, the images are shifting one place downward in each step.

Question 15 :
Select the number from among the given options that can replace the question mark (?) in the following series. 1, 1, 2, 2, 6, 10, 42, ?, 1806

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

Options :

1. 1203

2. 1302

3. 1010

4. 1389

Solution :
The correct answer is **option 3** i.e. **1010.**

Given series: 1, 1, 2, 2, 6, 10, 42, ?, 1806

The series follows this pattern:

1. 1, 2, 6, 42, 1806

1^2 + 1 = 1 + 1 = 2

2^2 + 2 = 4 + 2 = 6

6^2 + 6 = 36 + 6 = 42

42^2 + 42 = 1764 + 42 = 1806

2. 1, 2, 10, ?

1^3 + 1 = 1 + 1 = 2

2^3 + 2 = 8 + 2 = 10

10^3 + 10 = 1000 + 10 = 1010

So, the missing term in the series is **1010.**

Question 16 :
Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster. JST: HPX:: PWJ:?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. MSR

2. NTN

3. MTN

4. NSP

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

The logic used here is:

JST: HPX

J - 2 = H

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S - 2 = T

T + 4 = X

Similarly,

PWJ:?

P - 2 = N

W - 2 = T

J + 4 = N

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

Question 17 :
'A # B' means 'A is the sister of B'; 'A $ B' means 'A is the father of B'. 'A @ B' means 'A is the wife of B'. 'A % B' means 'A is the brother of B'. Which of the following options means 'J is the father of R'?

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

Options :
1. C @ J % K $ M # R
2. C @ J $ K % M # R
3. J @ C $ K % M # R
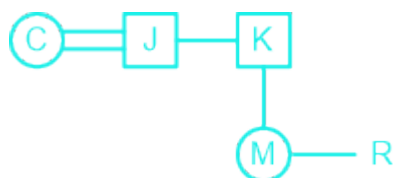4. C @ R $ K % M # J

Solution :
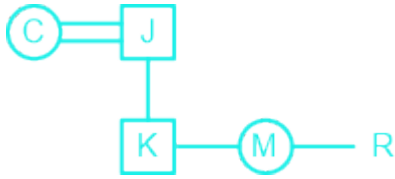The correct answer is **option 2** i.e. **C @ J $ K % M # R.**

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: C @ J % K $ M # R

Option 2: C @ J $ K % M # R

From figure 2, J is the father of R.

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

Question 18 :
If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following expression? (45 D 9) B 5 A 8 B (7 A 3 C 6) C (28 D (4 D 4))

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

Options :

1. 29

2. 38

3. 82

4. 32

Solution :

The correct answer is **option 1** i.e. **29.**

Given equation: (45 D 9) B 5 A 8 B (7 A 3 C 6) C (28 D (4 D 4))

Given conditions: A +; B ×; C -; D ÷

After replacing the expression becomes:

= (45 ÷ 9) × 5 + 8 × (7 + 3 - 6) - (28 ÷ (4 ÷ 4))

= 5 × 5 + 8 × 4 - 28

= 29

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

Question 19 :
In a certain code language, 'TULIPS' is written as 'GFORKH'. How will 'GARDEN' be written in that language?

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

Options :

1. TZIWVM
2. SZIXVM
3. TBIWVK
4. TZIWUM

Solution :

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

The logic used here is:

'TULIPS' is written as 'GFORKH'

Opposite of T = G

Opposite of U = F

Opposite of L = O

Opposite of I = R

Opposite of P = K

Opposite of S = H

Similarly;

Code for the word GARDEN:

Opposite of G = T

Opposite of A = Z

Opposite of R = I

Opposite of D = W

Opposite of E = V

Opposite of N = M

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

Question 20 :
The ratio of the sum of and the difference between two numbers is 6: 5. Find the ratio of these two numbers.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 11: 1
2. 3: 2
3. 2: 3
4. 7: 5

Solution :

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

Let the two numbers be a and b.

According to the question;

(a + b) : (a - b) = 6: 5

5a + 5b = 6a

a = 11b
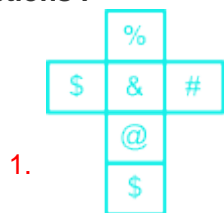
a/b = 11/1

a: b = 11: 1

Question 21 :

Two orientations of a dice are shown. This dice can be obtained by folding which of the option figures along the lines?
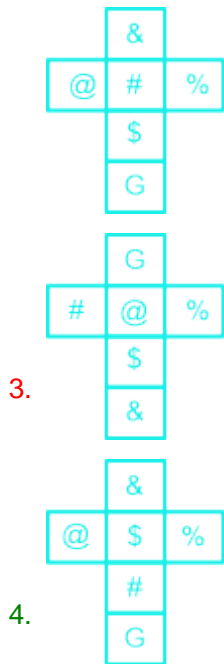
Difficulty : Moderate

Average Time : 44 Seconds

Options :

1.

2.

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	&	

3.

	&	
@	$	%
	#	
	G	

4.

Solution :

	&	
@	$	%
	#	
	G	

The correct answer is **option 4** .

In both dice, I is common. So, start rotating either in the clockwise or anticlockwise direction.

Clockwise direction:

Dice 1: $ @ &

Dice 2: $ % #

Anticlockwise direction:

Dice 1: $ & @

Dice 2: $ # %

So, @ is opposite to %; & is opposite to #, and $.

So, after folding along the lines in option 4 the opposite pairs are;

& is opposite to #.

$ is opposite to G.

@ is opposite to %.

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

Question 22 :
Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. CALI, ZEGO, WIBU, TMWA, ?

Difficulty : Moderate

Average Time : 80 Seconds

Options :
1. QSPF
2. QPSF
3. QRQE
4. QQRE

Solution :

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

Given series: CALI, ZEGO, WIBU, TMWA, ?

Logic:

1st letter:

C - 3 = Z, Z - 3 = W, W - 3 = T, **T - 3 = Q**

2nd letter:

A + 4 = E, E + 4 = I, I + 4 = M, **M + 4 = Q**

3rd letter:

L - 5 = G, G - 5 = B, B - 5 = W, **W - 5 = R**

4th letter: (Vowels)

I, O, U, A, **E**

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

Question 23 :

Select the correct water image of the given combination. 5 9 2 1 6 R a m

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1.
2.
3.
4.

Solution :

The correct answer is **option 4** .

The water image of the question figure is shown below:

In the water image of the given figure, the top and bottom of the figure get interchanged i.e. top becomes the bottom and the bottom becomes the top.

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

Question 24 :

In a certain code language, 'GANGA' is coded as 21-3-42-21-3 and 'KOSHI' is coded as 33- 45-57-24-27. How will 'GOMTI' be coded in that language?

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. 21-45-39-60-27

2. 21-30-39-40-18

3. 14-30-39-40-18

4. 14-45-26-60-27

Solution :

The correct answer is **option 1** i.e. **21-45-39-60-27.**

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The logic used here is:

'GANGA' is coded as 21-3-42-21-3

G = 7 × 3 = 21

A = 1 × 3 = 3

N = 14 × 3 = 42

G = 7 × 3 = 21

A = 1 × 3 = 3

Similarly;

Code for the word GOMTI:

G = 7 × 3 = 21

O = 15 × 3 = 45

M = 13 × 3 = 39

T = 20 × 3 = 60

I = 9 × 3 = 27

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

Question 25 :
Select the Venn diagram that best represents the relationship between the following. India, Delhi, Assam, Guwahati

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

Options :

1.

2.

3.

4.

Solution :

The correct answer is **option 3** .

The possible Venn diagram is:

India — Assam — Guwahati — Delhi

All Guwahati is in Assam, and Delhi and Assam are in India.

Hence, the diagram given above shows the best relationship between them.

Question 26 :
Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it. 13 16 52 15 24 90 23 36 ?

Difficulty : Moderate   Average Time : 70 Seconds

Options :
1. 108
2. 107
3. 117
4. 81

Solution :
The correct answer is **option 2** i.e. **107.**

The logic used here is:

Row 1:

(16 ÷ 4) × 13 = 4 × 13 = 52

Row 2:

(24 ÷ 4) × 15 = 6 × 15 = 90

Row 3:

(36 ÷ 4) × 23 = 9 × 23 = 107

Question 27 :
In a certain code language, 'are you ready' is written as '541', 'we are going' is written as '261', and 'she is ready' is written as '498'. How will 'you' be written in that language?

Difficulty : Moderate   Average Time : 50 Seconds

Options :
   1. 5
   2. 1
   3. 4
   4. 6

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

The logic used here is:

are you ready' is written as '541', 'we are going' is written as '261', and 'she is ready' is written as '498'

Code for the word are = 1

Code for the word ready = 4

Hence, the code for the word you = 5

Question 28 :
Ashokan Minor Rock Edicts are found in different parts of India. Which of the following is NOT a find spot of Ashokan Minor Rock Edicts in Karnataka?

Difficulty : Moderate   Average Time : 50 Seconds

Options :

1. Maski

2. Gavimath

3. Rupnath

4. Brahmagiri

Solution :

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

- Ashokan Minor Rock Edicts are found in different parts of India. **Rupnath** is NOT a found spot of Ashokan Minor Rock Edicts in Karnataka.

- 14 Ashokan (10 minor and 4 major) Rock Edicts are found in Karnataka. They are found in the following places:

- 2 each at Nittur and Udagolam in Bellary district;

- 1 at Maski in Raichur district;

- 1 each at Gavimutt and Palkigundu in Koppal district;

- 1 each at Brahmagiri, Jattinga Rameshwara and Siddapura in Chitradurga district; and

- 4 (viz., 13th and 14th) major edicts at Sannati in Gulbarga district.

Question 29 :

The Vernacular Press Act of 1878 was repealed during the tenure of Viceroy _____.

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

Options :

1. Lord Dufferin

2. Lord Ripon

3. Lord Lansdowne

4. Lord Northbrook

Solution :

The correct answer is **option 2** i.e. **Lord Ripon**

- The Vernacular Press Act of 1878 was repealed during the tenure of Viceroy **Lord Ripon.**

The act was proposed by Lord Lytton, then viceroy of India (governed 1876-80), which intended to prevent the vernacular press from expressing criticism of British policies notably, the opposition that had grown with the outset of the Second Anglo-Afghan War (1878–80). The act excluded English-language publications and elicited strong and sustained protests from a wide spectrum of the Indian populace.

Question 30 :
Sri Akal Takht Sahib is located within the _____ complex.

Difficulty : Moderate   Average Time : 54 Seconds

Options :
1. Patna Sahib
2. Golden Temple
3. Gurudwara Bangla Sahib
4. Paonta Sahib

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

- The Akal Takht ("Throne of the Timeless One") is one of five takhts (seats of power) of the Sikhs located within the **Golden Temple** complex in Amritsar, Punjab.

- It was built by Shri Guru Hargobind Ji as a place of justice and consideration of temporal issues; the highest seat of earthly authority of the Khalsa (the collective body of the Sikhs) and the place of the Jathedar, the highest spokesman of the Sikhs.

Question 31 :
Solids like fats, grease and oil that float on top of liquid wastewater is called _____.

Difficulty : Moderate   Average Time : 57 Seconds

Options :
1. compost
2. peat
3. sludge
4. urea

Solution :

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

- Solids like fats, grease and oil that float on top of liquid wastewater is called **sludge.**
- These materials are removed by the process of skimming and make water fit for use.
- A skimming tank is a chamber so arranged that the floating matter like oil, fat, grease etc, rise and remain on the surface of the wastewater **(sludge)** until removed, while the liquid flows out continuously under partitions or baffles.

Question 32 :

Which of the following states has the lowest female sex ratio according to the 2011 Census?

Difficulty : Moderate   Average Time : 55 Seconds

Options :

1. Uttar Pradesh

2. Punjab

3. Haryana

4. Sikkim

Solution :

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

- **Haryana** has the lowest female sex ratio according to the 2011 census.
- Sex ratio is used to describe the number of females per 1000 of males. In the Population Census of 2011 it was revealed that the population ratio in India 2011 is 943 females per 1000 males.
- Kerala has the highest sex ratio of 1084 in all Indian states and in union territory Daman and Diu has the lowest sex ratio of 618.

Question 33 :

A 'gnomon' is a part of a _____.

Difficulty : Moderate   Average Time : 51 Seconds

Options :

1. telescope

2. transformer

3. bolometer

4. sundial

Solution :

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

- A 'gnomon' is a part of a **sundial** that cast a shadows.
- It is an early astronomical instrument consisting of a vertical shaft, column, or the like, for determining the altitude of the sun or the latitude of a position by measuring the length of its shadow cast at noon.

Question 34 :
Who among the following was the first Indian Governor of Reserve Bank of India?

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

Options :
1. CD Deshmukh
2. HVR Lengar
3. PC Bhattacharya
4. LK Jha

Solution :
The correct answer is **option 1** i.e. **CD Deshmukh**

- **C D Deshmukh** was the first Indian Governor of Reserve Bank of India.
- His association with the Bank commenced in 1939, when he was appointed Government's liason officer. He later served as Secretary and thereafter in 1941 as Deputy Governor of the Bank. On the demise of James Taylor, he took over stewardship of the Bank and was appointed Governor in August, 1943.

Question 35 :
In order to get clean drinking water disinfectant is used after filtration. Disinfectant, however, is NOT used for removing:

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

Options :
1. bacteria
2. viruses
3. minerals
4. parasites

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

In order to get clean drinking water disinfectant is used after filtration. Disinfectant, however, is NOT used for removing **minerals**.

- Water comes from a variety of sources, such as lakes and wells, which can be contaminated with germs that may make people sick. To prevent contamination with germs, water companies add disinfectant usually either chlorine or chloramine that kills disease causing germs such as Salmonella, Campylobacter, and norovirus.

Question 36 :

The _____ considers a marriage as complete and binding at the completion of the Saptapadi ritual.

Difficulty : Moderate   Average Time : 52 Seconds

Options :

1. Indian Christian Marriage Act, 1862

2. Hindu Marriage Act, 1955

3. Parsi Marriage and Divorce Act, 1936

4. Muslim Personal Law (Shariat) Application Act, 1937

Solution :

The correct answer is **option 2** i.e. **Hindu Marriage Act, 1955**

- The **Hindu Marriage Act, 1955,** considers a marriage as complete and binding at the completion of the Saptapadi ritual.
- Saptapadi means seven steps in Sanskrit. Sapta means 'seven' and Padi means 'steps'. This refers to the seven steps a couple takes together during their marriage ceremony. In the presence of agni, the holy fire, bearing witness to the seven vows of marriage that these steps symbolize.

Question 37 :

As of April 2021, _____ held the record for the highest individual Women's ODI cricket score by an Indian player. She was also the only Indian spinner to take six women's ODI wickets.

Difficulty : Moderate   Average Time : 63 Seconds

Options :

1. Radha Yadav

2. Punam Raut

3. Taniya Bhatia

4. Deepti Sharma

Solution :

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

- As of April 2021, **Deepti Sharma** held the record for the highest individual Women's ODI cricket score by an Indian player. She was also the only Indian spinner to take six women's ODI wickets.
- She achieved the milestone during a Women's Quadrangular Series ODI match against Ireland at Senwes Park in Potchefstroom, South Africa with a magnificent 188 off 160 balls. Her 160-ball entertaining knock was studded with 27 boundaries and 2 sixes.

Question 38 :

The Government of India imposed an Agriculture and Infrastructure Development Cess of _____ per litre on petrol through Union Budget 2021-22.

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

Options :

1. â,¹2.5
2. â,¹3
3. â,¹3.5
4. â,¹4

Solution :

The correct answer is **option 1** i.e. **â,¹2.5**

- The Government of India imposed an Agriculture and Infrastructure Development Cess of â⃝¹2.5 per litre on petrol through Union Budget 2021-22 to improve agricultural infrastructure in the country.

- There's an immediate need to improve agricultural infrastructure to produce more, while conserving and processing agricultural output efficiently. This will raise income for farmers. There will be no additional burden on consumers due to cess on fuel as the Centre has reduced the basic customs duty.

Question 39 :

Which of the following Amendments of the Constitution of India was enacted in 1993 to constitutionally recognise municipal governments?

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

Options :

1. 71st Constitutional Amendment Act (CAA), 1988

72nd Constitutional Amendment Act (CAA), 1989

3. 74th Constitutional Amendment Act (CAA), 1992

4. 73rd Constitutional Amendment Act (CAA), 1990

Solution :

The correct answer is **option 3** i.e. **74th Constitutional Amendment Act (CAA), 1992**.

- **74th Constitutional Amendment Act (CAA), 1992** was enacted in 1993 to constitutionally recognise municipal governments.
- The **74th Amendment Act** pertaining to urban local government was passed during the regime of P.V. Narasimha Rao's government in 1992. It came into force on 1st June 1993.
- It added **Part IX-A** and consists of provisions from articles **243-P** to **243-ZG.**
- It added the **12th Schedule** to the Constitution which contains 18 functional items of Municipalities.

Question 40 :

Who was the Australian Open Women's Singles champion in 2021?

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

Options :

1. Venus Williams

2. Serena Williams

3. Naomi Osaka

4. Jennifer Brady

Solution :

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

- â€‹â€‹â€‹â€‹**Naomi Osaka** was the Australian Open Women's Singles champion in 2021 after beating USA's Jennifer Brady.
- She became the first woman since Monica Seles and first player since Roger Federer to win her first four Grand Slam finals, and the seventh player in the Open era to save a match point en route to the Australian Open women's singles title after battling back from the brink against Garbine Muguruza in the fourth round.

Question 41 :

Who among the following Indian artists won the 'Joan Miro Prize' for the year 2019?

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

Options :

1. Nalini Malani

2. Jogen Chowdhury

3. Anjolie Ela Menon

4. Jiten Thukral

Solution :

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

- **Nalini Malani** won the 'Joan Miro Prize' for the year 2019 for her impressive body of work that gave a voice to "the silenced and the dispossessed all over the world, most particularly women".

- It is one of the most prestigious contemporary art awards in the world, it recognises present-day work by artists who show the same spirit of exploration, innovation, commitment and freedom that characterised Spanish painter and sculptor Joan Miro's life and work.

Question 42 :

Which of the following is more suitable than the others for the growth of cashew nut?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Black cotton soil

2. Alluvial soil

3. Red laterite soil

4. Arid soil

Solution :

The correct answer is **option 3** i.e. **Red laterite soil**

- **Red laterite soil** is more suitable for the growth of cashew nut.
- Cashew is very modest in its soil requirements and can adapt itself to varying soil conditions without impairing productivity. While Cashew can be grown in poor soils, its performance would be much better on good soils. The best soils for cashew are deep and well-drained sandy loams without a hard pan.
- Cashew also thrives on pure sandy soils, although mineral deficiencies are more likely to occur. Water stagnation and flooding are not congenial for cashew.
- Heavy clay soils with poor drainage and soils with pH more than 8.0 are not suitable for cashew cultivation.

Excessive alkaline and saline soils also do not support its growth.
- Red sandy loam, lateritic soils and coastal sands with slightly acidic pH are best for cashew.

Question 43 :

Which of the following statements was quoted by Subhash Chandra Bose?

Difficulty : Moderate	Average Time : 72 Seconds

Options :

1. Live as if you were to die tomorrow. Learn as if you were to live forever.

2. The best way to find yourself is to lose yourself in the service of others.

3. Give me blood and I will give you freedom.

4. First, they ignore you, then they laugh at you, then they fight you, then you win.

Solution :

The correct answer is **option 3** i.e. **Give me blood and I will give you freedom.**

- The slogan **"Give me blood and I will give you freedom"** was given by Subhas Chandra Bose in Burma in 1944 to the members of Indian National Army.
- He was called 'Netaji'.
- He was one of the most eminent freedom fighters of India.
- He joined the Indian National Congress (Formed on December 28, 1885) in 1921.
- He started a newspaper called 'Swaraj'.
- He was the President of the All India Youth Congress and also the Secretary of the Bengal State Congress.
- In 1924, he became the CEO of the Calcutta Municipal Corporation. And in 1930, he became the Mayor of Calcutta.
- He authored the book 'The Indian Struggle' which covers the Indian independence movement from 1920 to 1942.
- He also coined the term 'Jai Hind'.

Question 44 :

As per WHO (World Health Organization), which of the following is NOT an example of disinfection by-products formed at traditional drinking water treatment plants?

Difficulty : Moderate	Average Time : 89 Seconds

Options :

1. Titania

2. Bromate

3. Chlorite

Chlorate

Solution :

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

- As per WHO (World Health Organization), **Titiana** is NOT an example of disinfection by-products formed at traditional drinking water treatment plants.
- Pure titanium dioxide or **Titania** is a fine, white powder that provides a bright, white pigment. It is used as a water treatment agent and is not a disinfection agent. It is also used in paints, coatings, adhesives, paper, plastics and rubber, printing inks, coated fabrics, and textiles, as well as ceramics, toothpaste, soap, water treatment agents, and pharmaceuticals.

Question 45 :

Under the National Urban Sanitation Policy, a city that scores points between 34 and 66 and needs considerable improvement is colour-coded _____.

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

Options :

1. blue

2. black

3. green

4. red

Solution :

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

- Under the National Urban Sanitation Policy, a city that scores points between 34 and 66 and needs considerable improvement is colour-coded **black.**
- The The Ministry of Urban Development (MoUD) together with partners carried out a study to rank 423 cities on a set of indicators for sanitation and healthy living (MOUD 2010, Rank of Cities).
- These cities were divided into five zones, representing 72 per cent of India's urban population. The rankings are based on 19 sanitation parameters such as access to community toilets, safe management of human excreta, and solid waste collection and treatment.
- Four colour codes have been assigned to the cities based on the points they obtained in the rating:
- red (less than 33 points) means cities need 'immediate remedial action',
- **black (34 to 66)** means cities 'need considerable improvement',
- blue (67-90) means cities are 'recovering',
- green (91-100) means cities are 'healthy and clean'.

Question 46 :

Who among the following became a part of the Constituent Assembly from Madras Constituency in 1946?

Difficulty : Moderate   Average Time : 77 Seconds

Options :

1. Ammu Swaminathan

2. Kamla Chaudhry

3. Hansa Jivraj Mehta

4. Begum Aizaz Rasul

Solution :

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

- **Ammu Swaminathan** became part of the Constituent Assembly from Madras Constituency in 1946.
- She was drawn to the political and women's rights movement from 1914 onwards.
- In 1917, she worked with Kamaladevi Chattopadhyay, Annie Besant, Muthulakshmi Reddy, and others to set the Women's India Association (WIA) at Adyar, Madras. WIA transformed into one of the largest women's rights organizations in India, and it worked to tackle social issues such as child marriage and the devadasi practice. It made representations before the Montague Chelmsford Commission, 1917 and Southborough Commission in 1918 and advocated for equality of voting rights for women.
- She was also involved in the Quit India Movement in 1942 which led to her imprisonment a year later.

Question 47 :

The Annapurna peak belongs to which region of the Himalayas?

Difficulty : Moderate   Average Time : 68 Seconds

Options :

1. Kumaon

2. Garhwal

3. Bhutan

4. Nepal

Solution :

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

Annapurna is a mountain situated in the Annapurna mountain range of Gandaki Province in north-central **Nepal**. It is the tenth highest mountain in the world at 8,091 metres (26,545 ft) above sea level and is well known for the difficulty and danger involved in its ascent.

Question 48 :
Which of the following persons was named as Dean of Harvard Business School in October 2020?

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

Options :
1. Sanjit Roy
2. Nitin Nohria
3. Srikant Datar
4. Achyuta Samanta

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

- **Srikant Datar** was named as Dean of Harvard Business School in October 2020 succeeding Nitin Nohria and becoming the second consecutive dean hailing from India to lead the institution.

Question 49 :
Adar Poonawalla launched the Clean City initiative in Pune in the year _____.

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

Options :
1. 2010
2. 2012
3. 2018
4. 2015

Solution :
The correct answer is **option 4** i.e. **2015**

- Adar Poonawalla launched the Clean City initiative in Pune in the year **2015** with the sole purpose of improving the environment and waste management in the city of Pune his home base.

Question 50 :

The Fiscal Responsibility and Budget Management Act 2003 set a target to limit India's fiscal deficit up to _____ of the GDP by 2021.

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

Options :

1. 5%

2. 3%

3. 2%

4. 6%

Solution :

- The correct answer is **option 2** i.e. **3%**
- The Fiscal Responsibility and Budget Management (FRBM) Act 2003 set a target to limit India's fiscal deficit up to **3%** of the GDP by 2021.
- In the year 2016, the NK Singh committee was set up by the government to review the FRBM Act. The task was to review the performance of the FRBM Act and suggest the necessary changes to the provisions of the act.

Question 51 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Paul was / bited by a dog / when he / was a child.

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

Options :

1. bited by a dog

2. was a child

3. when he

4. Paul was

Solution :

The correct answer is **option 1** i.e. **bited by a dog**

- The second part of the given sentence is erroneous in nature.
- Since the action occurred in the past, **the past participle form bitten should be used**.
- **"Bited"** is an incorrect word. Instead of bited, '**bitten**' is used.

Thus, the correct sentence:

*Paul was **bitten** by a dog when he was a child.*

Question 52 :

Select the most appropriate synonym of the given word. Honest

Difficulty : Moderate
Average Time : 56 Seconds

Options :

1. Secretive
2. Sincere
3. Strange
4. Daring

Solution :

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

- **Honest:** free of deceit; truthful and sincere.
- **Secretive:** inclined to conceal feelings and intentions or not to disclose information.
- **Sincere:** free from pretense or deceit.
- **Strange:** unusual or surprising; difficult to understand or explain.
- **Daring:** adventurous or audaciously bold.

*The most appropriate synonym for **'Honest'** is **'Sincere'**.*

Question 53 :

Select the most appropriate meaning of the given idiom. To sit on the fence

Difficulty : Moderate
Average Time : 55 Seconds

Options :

1. Take a high seat
2. Avoid taking sides

Place something on a barrier

4. Occupy a bench next to a boundary

Solution :

The correct answer is **option 2** i.e. **Avoid taking sides**

- The meaning of the given idiom, **"To sit on the fence"** is "**to agree with or support one person, group, or cause and not another**".

*The most appropriate option for the given idiom is to "**Avoid taking sides**".*

Question 54 :

Select the option that can be used as a one-word substitute for the given group of words. A person above a hundred years of age

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Centenarian

2. Venerable

3. Geriatric

4. Aged

Solution :

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

The meaning of the given words is:

- **Centenarian:** a person who is a hundred or more years old.
- **Venerable:** accorded a great deal of respect, especially because of age, wisdom, or character**.**
- **Geriatric:** relating to old people, especially with regard to their healthcare.
- **Aged:** having lived for a specified length of time; of a specified age.

*The most appropriate one-word substitution for the given set of words is **Centenarian**.*

Question 55 :

Select the most appropriate meaning of the given idiom. Hit a brick wall

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

Options :

1. Fight a powerful foe

2. Demolish a brick wall

3. Not able to make any progress

4. Use physical force

Solution :

The correct answer is **option 3** i.e. **Not able to make any progress**

- The meaning of the idiom," **Hit a brick wall"** is to face a problem or an obstacle while trying to do something.

*Thus, the most appropriate option would be **Not able to make any progress.***

Question 56 :

The following sentence has been divided into parts. One of them may contain a grammatical error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. They ordered the whole area / to be disinfected / on the earliest.

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

Options :

1. No error

2. to be disinfected

3. They ordered the whole area

4. on the earliest

Solution :

The correct answer is **option 4** i.e. **on the earliest**

- The error lies in the **third part** of the sentence.
- The preposition 'on' is used to talk about particular dates, days, or holidays.
- The preposition 'at' is used to talk about a specific time, day, or holiday.

Since the statement talks about a specific time, the preposition **at** should be used.

Thus, the correct sentence is:

*They ordered the whole area to be disinfected **at** the earliest.*

Question 57 :
Select the most appropriate ANTONYM of the given word. Frenzy

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Rage
2. Craze
3. Fury
4. Calm

Solution :
The correct answer is **option 4** i.e. **Calm**

The meaning of the given words is:

- **Frenzy:** a state or period of uncontrolled excitement or wild behavior.
- **Rage:** violent uncontrollable anger.
- **Craze:** an enthusiasm for a particular activity or object which appears suddenly and achieves widespread but short-lived popularity.
- **Calm:** not showing or feeling nervousness, anger, or other strong emotions.

*The most appropriate antonym for **'frenzy'** is **'calm**.'*

Question 58 :
Select the option that expresses the given sentence in active voice. Rishabh was declared fit to play the next match.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

Rishabh declared them fit to play the next match.

2. They had declared Rishabh fit to play the next match.

3. They will declare Rishabh fit to play the next match.

4. They declared Rishabh fit to play the next match.

Solution :

The correct answer is **option 4** i.e. **They declared Rishabh fit to play the next match.**

- **The structure of the Passive voice is:** Subject (objective case) + was + past participle + by + Object (Subjective case)
- **The structure of the Active voice is:** Subject + past participle + Object
    - The places of the subject and object in the given sentence will be swapped.
    - "was declared" will be changed into "declared".

The correct sentence is:

They declared Rishabh fit to play the next match.

Question 59 :

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. You and I / have submitted / your work / on time.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. on time

2. You and I

3. your work

4. have submitted

Solution :

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

- The third part of the sentence is erroneous in nature.
- **You** and **I** show the collective effort made by two people.

So, the use of **'yours'** reflects the erroneous use of the pronoun.

- Your is a possessive pronoun that must follow the second person 'you'.
- Use of 'your' reflects the erroneous use of the possessive determiner before work.

The correct sentence is:

*You and I have submitted **our** work on time.*

Question 60 :

Select the most appropriate synonym of the given word. Imbue

Difficulty : Moderate   Average Time : 59 Seconds

Options :

1. Remove

2. Deprive

3. Clear

4. Instil

Solution :

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

The meaning of the given is:

- **Imbue:** inspire or permeate with a feeling or quality.
- **Remove:** abolish or get rid of.
- **Deprive:** prevent a person or place from having or using something.
- **Clear:** easy to perceive, understand, or interpret.
- **Instil:** put a substance into something in the form of liquid drops.

The most appropriate synonym for 'Imbue' is 'Instil.'

Question 61 :

Select the most appropriate option to fill in the blank. The new Vande Bharat trains will have some additional _____ such as emergency windows for evacuation, disaster lights etc.

Difficulty : Moderate   Average Time : 61 Seconds

Options :

qualities

2. features

3. pieces

4. types

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

The meaning of the given words is:

- **Qualities:** a distinctive attribute or characteristic possessed by someone or something.
- **Features:** a distinctive attribute or aspect of something.
- **Pieces:** a portion of an object or of material, produced by cutting, tearing, or breaking the whole.
- **Types:** a category of people or things having common characteristics.
    - The blank requires a word that talks about various attributes of the Vande Bharat trains.
    - Thus, features will be the most appropriate filler for the given blank.

The correct sentence is:

 The new Vande Bharat trains will have some additional **features** such as emergency windows for evacuation, disaster lights, etc.

Question 62 :
Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. Whom was the person that you wanted me to contact there?

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

Options :
1. No substitution required

2. Whom is the person

3. Whom were the persons

4. Who is the person

Solution :

The correct answer is**option 4** i.e. **Who is the person**

- The underlined part of the sentence is erroneous in nature.
- The **whom** is used to refer to the object of a **verb** or **preposition.**
- The **who** is used to refer to the subject of a sentence.
- Here in the sentence, since the pronoun should refer to the subject of a sentence, thus, **whom** should be used in place of **who**.

The correct sentence:

Who was the person that you wanted me to contact there?

Question 63 :
The following sentence has been split into four segments. Identify the segment that contains a grammatical error. I did not / buy neither / of the / two dresses.

Difficulty : Moderate   Average Time : 68 Seconds

Options :

1. I did not

2. two dresses

3. of the

4. buy neither

Solution :
The correct answer is **option 4** i.e. **buy neither.**

- The second part of the sentence is erroneous in nature.
- Since **neither** is used in the sentence, it makes the sentence **negative** in nature.
- **Two negatives** used in a sentence make a sentence **positive.**
- Thus, **did not** should never be followed **by either.**

The correct sentence:

I did not buy **either** of the two dresses.

Question 64 :

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 required'. If Vinay has the book why he is not giving you?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. No substitution required

2. is he not giving it to you

3. he is not gave to you

4. he not giving it to you

Solution :

The correct answer is **option 2** i.e. **is he not giving it to you**

- Whenever a sentence is in its interrogative form, the subject should follow the verb.
- The what and destination of the thing should be introduced, thus, giving should be followed by **it** and **to**.

 The correct sentence is:

If Vinay has the book why **_is he not giving it to you?_**

Question 65 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph. A. The British were exploiting the indigo farmers in the area. B. He lived in the district until the exploitation of the farmers was successfully stopped. C. Gandhiji's Satyagraha for India's Independence began with the famous 'Champaran movement' in Bihar. D. So, Gandhiji visited Motihari, the district headquarters of Champaran, in 1917 to protest against the British.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. CABD

2. ACBD

3. ADBC

CADB

Solution :

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

- The opening sentence should be an independent statement briefing about Gandhiji's satyagraha. **Sentence C** will be the opening statement.
- **Sentence A** describes the reason behind the start of Satyagraha, thus, it will follow sentence C.
- **Sentence D** explains the result of the exploitation and arrival of Gandhiji bringing the continuation to the topic. Thus, **sentence D** will follow **Sentence A.**
- The last statement should always be a concluding one, thus, it provides information regarding what Gandhiji's satyagraha resulted into. Thus, **Sentence B** will be the last statement.

The correct paragraph is:

Gandhiji's Satyagraha for India's Independence began with the famous 'Champaran movement' in Bihar. The British were exploiting the indigo farmers in the area. So, Gandhiji visited Motihari, the district headquarters of Champaran, in 1917 to protest
against the British. He lived in the district until the exploitation of the farmers was successfully stopped.

Question 66 :
Select the INCORRECTLY spelt word.

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

Options :

1. Voluntary

2. Disparity

3. Convincing

4. Continuanse

Solution :

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

The meaning of the given words is:

- **Voluntary:** done, given, or acting of one's own free will.
- **Disparity:** a great difference.
- **Convincing:** capable of causing someone to believe that something is true or real.

Continuance: the state of remaining in existence or operation.

Question 67 :

Select the option that expresses the given sentence in passive voice. She baked a large blueberry cake.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. A large blueberry cake was being baked by her..

2. A large blueberry cake was baked by her.

3. A large blueberry cake has been baked by her.

4. A large blueberry cake is baked by her.

Solution :

The correct answer is **option 2** i.e. **A large blueberry cake was baked by her.**

- **The structure of active voice is:** Subject + past participle + Object
- **The structure of active voice is:** Subject (Objective cases) + was + past participle + the by the object (Subjective case)
    - The places of subject and object will swap their places.
    - The **pronoun her** will be changed into the **pronoun she.**
    - **Baked** will be changed into **was baked.**

The correct sentence is:

A large blueberry cake was baked by her.

Question 68 :

Select the option that can be used as a one-word substitute for the given group of words. A person who collects or studies stamps

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Collector

2. Philatelist

Hoarder

4. Numismatist

Solution :

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

The meaning of the given words is:

- **Collector:** a person who collects things of a specified type, professionally or as a hobby.
- **Philatelist:** a person who studies or collects postage stamps.
- **Hoarder:** a person who hoards things.
- **Numismatist:** someone who studies or collects coins, paper money, or medals.

*The most appropriate one-word substitute for the given set of words is **Philatelist.***

Question 69 :
Select the option that expresses the given sentence in reported speech. Mother said to her, "I expected a better result from you."

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

Options :

1. Mother told her that she was expecting a better result from you.

2. Mother told her that she expected a better result from you.

3. Mother told her that she expected a better result from her.

4. Mother told her that she had expected a better result from her.

Solution :

The correct answer is **option 4** i.e. **Mother told her that she had expected a better result from her**

- The given sentence is in its assertive form.
- The reporting verb i.e., **said** will be changed into **told**.
- In place of commas and inverted commas, the conjunction **'that'** is used.
- Both the first and second person will be changed into the third person in the form of indirect speech.
- The tense will be changed from the **simple past tense** verb will be changed to the **past perfect tense form**.

Thus, the correct sentence is :

Mother told her that she had expected a better result from her.

Question 70 :

Select the most appropriate ANTONYM of the given word. Graceful

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Awkward

2. Polite

3. Refined

4. Dignified

Solution :

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

The meaning of the given words is:

- **Graceful:** having or showing grace or elegance.
- **Awkward:** causing difficulty; hard to do or deal with.
- **Polite:** having or showing behavior that is respectful and considerate of other people.
- **Refined**: with impurities or unwanted elements having been removed by processing.
- **Dignified:** having or showing a composed or serious manner that is worthy of respect.

*The most appropriate antonym for **'Graceful'** is **'Awkward'.***

Comprehension :

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank. (1) _____ changes in science and technology lead to the modernization of technology as well as the upgradation of knowledge. In order to upgrade or modernize technology, management must (2) _____ employees to accept new technology. (3) _____ training of staff becomes necessary to update their knowledge and to (4) _____ their skills. This is possible only (5) _____ effective communication between the management and the employees.

Question 71 :

Select the most appropriate option for blank 1.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. No

Ultimate

3. Slow

4. rapid

Solution :

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

The meaning of the given words:

- **No:** not any.
- **Ultimate:** being or happening at the end of a process; final.
- **Slow:** (of a clock or watch) showing a time earlier than the correct time.
- **Rapid:** happening in a short time or at a great rate.

The correct sentence is:

Rapid changes in science and technology lead to the modernization of technology as well as the upgradation of knowledge.

Comprehension :

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank. (1) _____ changes in science and technology lead to the modernization of technology as well as the upgradation of knowledge. In order to upgrade or modernize technology, management must (2) _____ employees to accept new technology. (3) _____ training of staff becomes necessary to update their knowledge and to (4) _____ their skills. This is possible only (5) _____ effective communication between the management and the employees.

Question 72 :
Select the most appropriate option for blank 2.

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

Options :

1. deactivate

2. dissuade

3. discourage

4. persuade

Solution :

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

The meaning of the given words is:

- **Deactivate:** make something inactive by disconnecting or destroying it.
- **Dissuade:** persuade someone not to take a particular course of action.
- **Discourage:** cause someone to lose confidence or enthusiasm.
- **Persuade:** induce someone to do something through reasoning or argument.

The correct sentence:

*...management must **persuade** employees to accept new technology.*

Comprehension :

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank. (1) _____ changes in science and technology lead to the modernization of technology as well as the upgradation of knowledge. In order to upgrade or modernize technology, management must (2) _____ employees to accept new technology. (3) _____ training of staff becomes necessary to update their knowledge and to (4) _____ their skills. This is possible only (5) _____ effective communication between the management and the employees.

Question 73 :

Select the most appropriate option for blank 3.

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. Irregular
2. Intermittent
3. Regular
4. Improper

Solution :

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

The meaning of the given words is:

- **Irregular:** not even or balanced in shape or arrangement.

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Intermittent: occurring at irregular intervals; not continuous or steady.

- **Regular:** recurring at uniform intervals.
- **Improper:** not in accordance with accepted standards, especially of morality or honesty.

The correct sentence is:

Regular training of staff becomes necessary to update their knowledge and...

Comprehension :
In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank. (1) _____ changes in science and technology lead to the modernization of technology as well as the upgradation of knowledge. In order to upgrade or modernize technology, management must (2) _____ employees to accept new technology. (3) _____ training of staff becomes necessary to update their knowledge and to (4) _____ their skills. This is possible only (5) _____ effective communication between the management and the employees.

Question 74 :
Select the most appropriate option for blank 4.

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

Options :

1. imitate

2. enhance

3. hamper

4. decrease

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

The meaning of the given words is:

- **Imitate:** take or follow as a model.
- **Enhance:** intensify, increase, or further improve the quality and value
- **Hamper:** A basket with a carrying handle and a hinged lid, used for food, cutlery, and plates on a picnic.
- **Decrease:** make or become smaller or fewer in size, amount, intensity, or degree.

The correct sentence is:

...staff becomes necessary to update their knowledge and to **enhance** their skills.

Comprehension :

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In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank. (1) _____ changes in science and technology lead to the modernization of technology as well as the upgradation of knowledge. In order to upgrade or modernize technology, management must (2) _____ employees to accept new technology. (3) _____ training of staff becomes necessary to update their knowledge and to (4) _____ their skills. This is possible only (5) _____ effective communication between the management and the employees.

Question 75 :

Select the most appropriate option for blank 5.

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

Options :

1. through
2. by
3. throughout
4. with

Solution :

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

The meaning of the given words is:

- **Through:** continuing in time towards completion of a process or period.
- **By:** so as to go past.
- **Throughout:** in every part of a place or object.
- **With:** accompanied by another person or thing.

The correct sentence is:

This is possible only **through** effective communication between the management and the employees.

Question 76 :

The following histogram shows the marks scored by 40 students in a test of 30 marks. A student has to score a minimum of 10 marks to pass the test. What is the percentage of students who passed the test?

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

Options :

1. 66.66%

72%

3. 75%

4. 30

Solution :

The correct answer is **option 3** i.e. **75%**

Calculations:

Number of students scoring minimum 10 marks = 7 + 8 + 10 + 5 = 30

Required percentage = (30/40) × 100 = 75%

Question 77 :
Find the value of the following expression: (rac{(7.03)^3-(0.027)}{(7.03)^2+2.109+(0.3)^2})

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

Options :

1. 7.06

2. 6.73

3. 7

4. 7.33

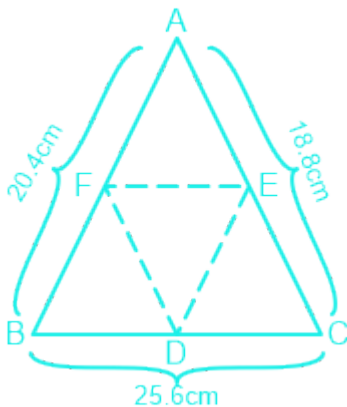**Solution :**

The correct answer is **option 2** i.e. **6.73**

Formula used:

$(a^3 - b^3) = (a - b)(a^2 + ab + b^2)$ ---- (1)

Calculations:

Using equation (1), we get

$\Rightarrow \dfrac{(7.03 - 0.3)((7.03)^2 + 2.109 + (0.3)^2)}{(7.03)^2 + 2.109 + (0.3)^2}$

$\Rightarrow (7.03 - 0.3)$

$\Rightarrow 6.73$

Hence the value of $\frac{(7.03)^3-(0.027)}{(7.03)^2+2.109+(0.3)^2}$ is 6.73.

Question 78 :

A person's salary was decreased by 50% and subsequently increased by 50%. BY what much per cent does his salary increase or decrease?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Increase 20%

2. Decrease 18%

3. Decrease 25%

4. Increase 15%

Solution :

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

Calculations:

Let the initial salary be Rs 100

According to the question:

Salary was increased by 50%

New salary = 150% of 100 = Rs 150

Now, the salary is decreased by 50%

Final salary = 150 × 50% = 75

The required decreased in salary = 100 - 75 = 25

Hence, required percentage = (25/100) × 100 = 25%

Question 79 :

In a ∆ABC, D, E and F are the mid-points of side BC, CA and AB respectively. If BC = 25.6cm, CA = 18.8cm and AB = 20.4cm, what is the perimeter (in cm) of the ∆DEF?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 30.6

2. 36.8

32.4

4. 34.4

Solution :

The correct answer is **option 3** i.e. **32.4**

Given:

âˆ†ABC, D, E and F are the mid-points of side BC, CA and AB

BC = 25.6cm, CA = 18.8cm and AB = 20.4cm

Understanding:

Mid point theorem states that The line segment in a triangle joining the midpoint of two sides of the triangle is said to be parallel to its third side and is also half of the length of the third side

Calculations:

D, E and F are the mid points of BC, AC and AB.

By using mid point theorem, we get

AF/FB = AE/EC and EF = BC/2

EF = 25.6/2 = 12.8 cm

Similarly, DE = AB/2 = 10.2 and DF = AC/2 = 9.4

Thus, the perimeter of triangle DEF

= DF + DE + EF = 12.8 + 9.4 + 10.2 = 32.4 cm

Question 80 :

From a ship's masthead 180m high, the angle of depression of a boat is observed to be 60°. Find the distance (in m) of the boat from the ship.

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

Options :

1. $180\sqrt{3}$

2. $60\sqrt{3}$

3. 360

4. 180

Solution :

The correct answer is **option 2** i.e. $60\sqrt{3}$

Given:

Ship's masthead is 180m high
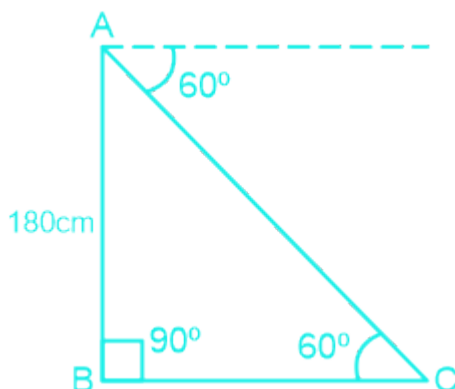
Angle of depression of a boat is observed to be 60°

Formula used:

tan = perpendicular/base   ----- (1)

Calculations:

Let BC be the distance between the boat and the ship

Using equation (1), we get

tan 60 = AB/BC

3 = 180/BC

BC = 603

Question 81 :

In triangle ABC, the bisector of angle BAC meets BC at point D in such a way that AB = 10 cm, AC = 15 cm and BD = 6 cm. Find the length of BC (in cm).

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 15
2. 11
3. 17
4. 9

Solution :

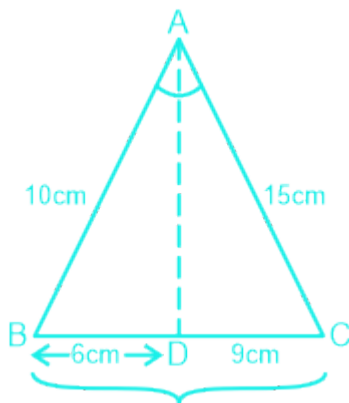The correct answer is **option 1** i.e. **15**

Given:

In triangle ABC, the bisector of angle BAC meets BC at point D

AB = 10 cm, AC = 15 cm and BD = 6 cm

Concept used:

Angle bisector theorem states that an angle bisector of an angle of a triangle divides the opposite side into two parts that are proportional to the other two sides of the triangle.

Calculations:

Now, according to the question;

DC/BD = AC/AB

DC/6 = 15/10

DC = 9 cm

BC = BD + DC

BC = 9 + 6 = 15 cm

Question 82 :

If 5x - $(\frac{1}{4x})$ = 6, x > 0, then find the value of $25x^2$ - $(\frac{1}{16x^2})$.

Difficulty : Moderate   Average Time : 64 Seconds

Options :

1. $\sqrt{246}$

2. 36

3. $6\sqrt{31}$

4. $6\sqrt{41}$

Solution :

The correct answer is **option 4** i.e. $6\sqrt{41}$

Formula used:

$(a - b)^2 = a^2 + b^2 - 2ab$

$(a + b)^2 = a^2 + b^2 + 2ab$

$(a^2 - b^2) = (a - b)(a + b)$

Calculations:

Using equation (1), we get

$(5x - 1/4x)^2 = 25x^2 + 1/16x^2 - 5/2$

$25x^2 + 1/16x^2 - 5/2 = 36$

$25x^2 + 1/16x^2 = 77/2$

Now, we have

$(5x + 1/4x)^2 = 25x^2 + 1/16x^2 + 5/2$

$(5x + 1/4x)^2 = 77/2 + 5/2 = 82/2$

$5x + 1/4x = 41$

Now using equation (3), we get

$(5x + 1/4x)(5x - 1/4x)$

641

Question 83 :

A household appliances company offers two successive discounts of 20% and 35% on the sale of a food processor. What is the final sale price (in Rs, to the nearest rupee) of a food processor costing Rs 4580?

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. 3664

2. 2519

3. 2382

4. 2977

Solution :

The correct answer is **option 3** i.e. **2382**

Given:

Cost price = Rs 4580

Two successive discounts of 20% and 35%

Calculations:

Successive discounts = 20 + 35 - (20 × 35)/100 = 48%

According to the questions:

Selling price = 4580 × (100 - 48)/100

Selling price = 4580 × 0.52 = 2381.6 $\simeq$ 2382

Question 84 :
Find the sum of the greatest and the smallest number which may replace k in the number 3281k6 to make the number divisible by 6.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 9

2. 5

3. 4

4. 8

Solution :
The correct answer is **option 4** i.e. **8**

Concept used:

When a number is divisible by 6, it is divisible by both 2 and 3.

Calculations:

When a number is divisible by 2, last digit should be even

When a number is divisible by 3, sum of digits of the number should be divisible by 3.

Divisible by 3 = 3 + 2 + 8 + 1 + k + 6 = 20 + k

For minimum value of k = 1

= 20 + 1 = 21

For maximum value of k = 7

= 20 + 7 = 27

Sum = minimum + maximum = 1 + 7 = 8

Question 85 :

The sides of a triangular fields are 360 m, 480 m and 600 m. Its area is equal to the area of a square field. What is the side (in m) of the square field?

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

Options :

1. 120$\sqrt{6}$
2. 160$\sqrt{3}$
3. 120$\sqrt{3}$
4. 160$\sqrt{6}$

Solution :

The correct answer is **option 1** i.e. 120$\sqrt{6}$

Given:

Sides of a triangular fields are 360 m, 480 m and 600 m

Formula used:

Area of triangle = (1/2) × base × height

Area of square = side^2

Calculations:

Sides of a triangular fields are 360 m, 480 m and 600 m form a triplet

Height = 480 m and base = 360 m

Area of triangle = (1/2) × 360 × 480 = 86400

According to the question:

Area of triangle is equal to the area of square

side^2 = 86400

side = 1206

Question 86 :

The following bar graph shows receipts and expenditure by a business firm over 5 years. Gain = Receipts - Expenditure. In which year did the company gain the minimum amount?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 2018
2. 2019
3. 2017
4. 2016

Solution :

The correct answer is **option 2** i.e. **2019**

Calculations:

Gain of company in 2016 = 54 - 51 = 3

Gain of company in 2017 = 64 - 60 = 4

Gain of company in 2018 = 80 - 75 = 5

Gain of company in 2019 = 82 - 80 = 2

Gain of company in 2020 = 93 - 87 = 6

The company gain the minimum amount in 2019 = 82 - 80 = 2

Question 87 :

Performance of 1800 students in grades has been shown in the following pie chart. The number of students getting grade B is what percentage of the number of students getting grade A?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 90%
2. 85%
3. 95%
4. 97%

Solution :

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

Calculations:

The number of students getting grade B = 27%

The number of students getting grade A = 30%

Required percentage = (27/30) × 100 = 90%

Question 88 :

Anil lent a sum of Rs 5,000 on simple interest for 10 years in such a way that the rate of interest is 6% per annum for the first 2 years, 8% per annum for the next 2 years and 10% per annum beyond 4 years. How much interest (in Rs) will he earn at the end of 10 years?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 3500
2. 4400
3. 4200
4. 5000

Solution :

The correct answer is **option 2** i.e. **4400**

Formula used:

Simple interest = PRT/100

P = principal, R = rate and T = Time period

Calculations:

Simple interest (10 years) = 6% for 2 years + 8% for next 2 years + 10 years for next 6 years

 6 × 2 + 8 × 2 + 10 × 6 = 88%

Now according to the question;

Interest (in Rs) he will earn at the end of 10 years 88% of 5000 = 4400

Question 89 :

The distance between two stations A and B is 200 km. A train runs from A to B at a speed of 75 km/h, while another train

runs from B to A at a speed of 85 km/h. What will be the distance between the two trains (in km) 3 minutes before they meet?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 8
2. 5
3. 10
4. 6

Solution :

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

Given:

Distance = 200 km

S_1 = 75 km/h

S_2 = 85 km/h

Formula used:

Speed = Distance/Time   ---- (1)

Calculations:

Speed of train A = 75 km/h

Speed of train B = 85 km/h

Relative speed = 75 + 85 = 160 km/h

Using equation (1), we get

200 = 160 × t

t = (5/4) × 60 = 75 min

Distance 3 minutes before the trains meet

time = 75 - 3 = 72 min

Distance = 160 × (72/60) = 192 km

Hence, distance between the two trains (in km) 3 minutes before they meet = 200 - 192 = 8 km.

Question 90 :

Find the value of the following expression:

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. $\frac{1}{8}$

2. $28\frac{1}{8}$

3. 12

4. 28

Solution :

The correct answer is **option 2** i.e. $28\frac{1}{8}$

Concept used:

BODMAS rule :

B = Bracket

O = Of

D = Division

M = Multiplication

A = Addition

S = Subtraction

Calculations:

$$\Rightarrow \dfrac{\dfrac{13}{3}+\dfrac{10}{3} \times (\dfrac{9}{5} \times \dfrac{4}{15})\times(\dfrac{25}{4}\times \dfrac{16}{15})}{\dfrac{2}{3}\times \dfrac{6}{5}\times \dfrac{2}{3}}$$

$$\Rightarrow \dfrac{\dfrac{13}{3} + \dfrac{10}{3} \times \dfrac{12}{25} \times \dfrac{20}{3}}{\dfrac{8}{15}}$$

$$\Rightarrow \dfrac{\dfrac{13}{3}+ \dfrac{32}{3}}{\dfrac{8}{15}}$$

$$\Rightarrow\dfrac{225}{8} = 28\dfrac{1}{8}$$

Hence the value of $\dfrac{4\frac{1}{3} + 3\frac{1}{3} \times 1\frac{4}{5} \div 3\frac{3}{4} \times \left(6\frac{1}{4}\,of\,1\frac{1}{15}\right)}{\frac{2}{3} \div \frac{5}{6} \times \frac{2}{3}}$ is $28\frac{1}{8}$.

Question 91 :

If A = 30°, what is the value of: $\frac{8\sin A + 11\csc A - \cot^2 A}{10\cos 2A}$

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. $3\frac{4}{5}$

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

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

4. $4\frac{3}{5}$

Solution :

The correct answer is **option 4** i.e. $4\frac{3}{5}$

Calculations:

$(8\sin 30 + 11\csc 30 - \cot^2 30)/(10\cos(2 \times 30))$

$(8 \times (1/2) + 11 \times 2 - (3)^2)/(10 \times (1/2))$

$(4 + 22 - 3)/5$

$23/5 = 4\frac{3}{5}$.

Question 92 :

A shopkeeper bought toffees at a rate of 10 for Rs 15 and sold them at a rate of 16 for Rs 40. Find his profit percentage. (correct to two decimal places)

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 65.05%

2. 50.55%

3. 33.33%

4. 66.67%

Solution :

The correct answer is **option 4** i.e. **66.67%**

Given:

A shopkeeper bought toffees at a rate of 10 for Rs 15

A shopkeeper sold them at a rate of 16 for Rs 40

Formula used:

Profit percent = (SP - CP)/CP × 100

Where SP = selling price and CP = Cost price

Calculations:

According to the question;

	Quantity	Price
Cost Price	10	15-eq(1)
Selling Price	16	40-eq(2)

Multiply equation (1) by 8 and equation (2) by 5, we get

80 toffees CP be 120 and SP be 200

Required profit percentage = (200 - 120)/120 × 100

66.67%

Question 93 :
The positive numbers are in the ratio 2 : 3 : 4. The sum of their squares is 2349. The average of the first two numbers is:

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 27.5

2. 22.5

3. 36

4. 18

Solution :
 The correct answer is **option 2** i.e. **22.5**

Calculations:

Let the numbers be 2x, 3x and 4x

According to the question sum of their squares is 2349

$4x^2 + 9x^2 + 16x^2 = 2349$

$29x^2 = 2349$

$x^2 = 81$

$x = 9$

Required average = $(2x + 3x)/2 = 5x/2$

$45/2 = 22.5$

Question 94 :
If $(2cosA + 1)(2cosA - 1) = 0$, $0° \, A \, 90°$, then find the value of A.

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

Options :

1. 60°

2. 45°

3. 90°

4. 30°

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

Given:

$(2cosA + 1)(2cosA - 1) = 0$

Formula used:

$a^2 - b^2 = (a + b)(a - b)$ ---- (1)

Calculations:

Using equation (1), we get

$(2cosA + 1)(2cosA - 1) = 0$

$4cos^2A - 1 = 0$

$\cos^2 A = 1/4$

$\cos A = 1/2$

$A = 60°$

Question 95 :

The radii of two concentric circles with centre O are 26 cm and 16 cm. Chord AB of the larger circle is tangent to the smaller circle at C and AD is a diameter. What is the length of CD?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 38 cm

2. 42 cm

3. 35 cm
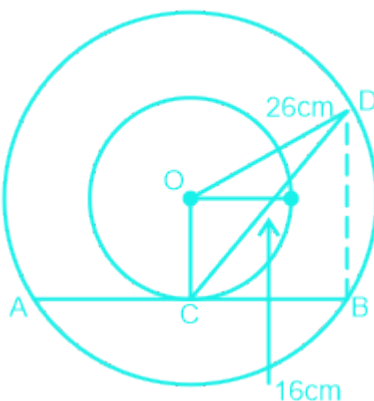
4. 36 cm

Solution :

The correct answer is **option 1** i.e. **38 cm**

Given:

The radii of two concentric circles with centre O are 26 cm and 16 cm.

Chord AB of the larger circle is tangent to the smaller circle at C and AD is a diameter.

Calculations:

According to the question we have

OA = OD = 26 cm

OC is the radius of smaller cirlce = 16 cm

DB || OC (line divides any two sides in the same ratio then the line is parallel to the third line)

BD = 2 × OC = 32 cm

Using pythagoras theorem in triangle AOC,

$OA^2 = OC^2 + AC^2$

$26^2 = 16^2 + AC^2$

AC = 676 - 256

AC = BC = 420

Now using pythagoras theorem again in triangle BCD

$CD^2 = BD^2 + BC^2$

$CD^2 = 32^2 + (420)^2$

$CD^2 = 1024 + 420 = 1444$

CD = 32 cm

Question 96 :

A and b working alone can complete a work in 8 days and 12 days, respectively. They started working together, but A left 2 days before completion of the work. In how many days was the work completed?

Difficulty : Moderate   **Average Time : 93 Seconds**

Options :

1. 6
2. 5
3. 8
4. 10

Solution :

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

Given:

A and b working alone can complete a work in 8 days and 12 days.

They started working together, but A left 2 days before completion of the work.

Formula used:

Efficiency = Work/Day   ------ (1)

Calculations:

Total work = LCM of 8 and 12 = 24 units

Using equation (1)

Efficiency of A = 24/8 = 3 units

Efficiency of B = 24/12 = 2 units

Last two days of work done by B = 2 × 2 = 4 units

Work done by A and B = 3 + 2 = 5 units

Days to complete the remaining work = 20/5 = 4 days

Total required days = 4 + 2 = 6 days

Question 97 :
Find the smallest number which should be added to the smallest number divisible by 6, 9 and 15 to make it a perfect square.

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

Options :

1. 21

2. 9

3. 19

4. 10

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

Smallest number divisible by 6, 9 and 10 = LCM of 6, 9 and 10 = 90

Nearest square greater than 90 = 100

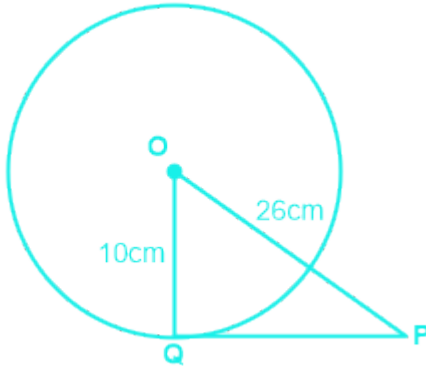Number to be added to 90 = 100 - 90 = 10

Question 98 :

O is the centre of a circle of radius 10 cm. P is a point outside the circle and PQ is a tangent to the circle. What is the length (in cm) of PQ if the length OP is 26 cm?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 24

2. 25

3. 2

4. 20

Solution :

The correct answer is **option 1** i.e. **24**

Calculations:

Using pythagoras theorem : $(\text{Hypotenuse})^2 = \text{Base}^2 + \text{perpendicular}^2$

$PQ^2 = OP^2 - OQ^2$

$PQ^2 = 26^2 - 10^2$

$PQ^2 = 676 - 100$

$PQ^2 = 576$

$PQ = 24$ cm

Question 99 :

The breakup of the total number of employees of a company working in different offices (A to E), in degrees is given in the pie chart. Total number of employees = 2400. If 40% of the number of employees in office A are shifted equally to office B and E, then what will be the sum of the number of employees in B and C?

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

Options :

1. 648
2. 735
3. 545
4. 72

Solution :

The correct answer is **option 1** i.e. **648**

Calculations:

40% of the number of employees of office A

 40% of 126/300 × 2400 = 336

Number of employees shifted to offices B and E from A = 336/2 = 168

Required value of B = 2400 × (18/360) = 120

= 120 + 168 = 288

Required sum = Number of employees in B + number of employees in C

 288 + 360 = 648

Question 100 :

Person A started a business by investing Rs 65,000. After a few months, B joined him by investing Rs 50,000. Three months after the joining of B, C joined the two with an investment of Rs 55,000. At the end of the year, A got 50% of profit as his share. For how many months did A alone finance the business?

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

Options :

1. 4

<div style="text-align: center;">2</div>

3. 5

4. 3

Solution :

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

Given:

Person A started a business by investing Rs 65,000

B joined him by investing Rs 50,000

C joined the two with an investment of Rs 55,000

Calculations:

Let the investment time for B be x months

A invest for 1 years or 12 months

Investment of B = (12 - x) months

Investment of C = (12 - x - 3) = (9 - x) months

Required profit share of A, B and C

65000 × 12 : 50000 × (12 - x) : 55000 × (9 - x)

156 : 120 - 10x : 99x - 11

We know, A got 50% of the total share

$\frac{156}{156 + 120 - 10x + 99 - 11x} = \frac{1}{2}$

312 = 276 + 99 - 21x

21x = 276 + 99 - 312

21x = 63

x = 3 months

Hence A alone did invested for 3 months.

Ssc Cgl Tier I Previous Year Question Paper

Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-21 in the Morning exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from General Awareness, 25 questions were asked from Logical Reasoning, 25 questions were asked from English Language and 25 questions were asked from Quantitative Aptitude
4. 20 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

General Awareness

1. GK Misc - 25

Logical Reasoning

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

English Language

1. Cloze Test - 5
2. Spotting Error - 4

Parajumbles - 1
4. Idioms - 2
5. One Word Substitution - 2
6. Spellings - 1
7. Fillers - 1
8. Narration - 1
9. Voice - 2
10. Sentence Improvement - 2
11. Synonym - 2
12. Antonym - 2

Quantitative Aptitude

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

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks

TIPS & 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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Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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