





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 2022-04-18 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:

Select the correct option that indicates the arrangement of the given words in a logical and meaningful order. 1. Core 2. Atmosphere 3. Universe 4. Surface 5. Galaxy

Average Time : 44 Seconds

Difficulty : Moderate

Options :

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

Solution :

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

In this question, you need to arrange the words in a logical and meaningful order. So, the arrangement is in the increasing order of the universe.

- 1. Core
- 2. Surface
- 3. Atmosphere
- 4. Galaxy
- 5. Universe

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Question 2 :

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 bats are birds. Some rats are bats. Conclusions: I. Some rats are birds. II. Some birds are bats. III. All rats are bats.

Difficulty : Moderate

Options :

- 1. Only conclusion I follows.
- 2. Only conclusions I and II follow.
- 3. Only conclusions I and III follow.
- 4. Only conclusion II follows.

Solution :

The correct answer is option 2 i.e. Only conclusions I and II follow.

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



Conclusions:

- I. Some rats are birds True (As some rats are bats, and all bats are birds, so some rats are birds.)
- II. Some birds are bats True (As all bats are birds, so some birds are bats.)
- III. All rats are bats False (It is possible, but no definite conclusion can be drawn).

Hence, Only conclusions I and II follow.

Question 3 :

Select the most appropriate ANTONYM of the given word. Obscure

Difficulty : Moderate

Average Time : 71 Seconds

Options :

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Average Time : 55 Seconds



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Blurred

- 2. Apparent
- 3. Cloudy
- 4. Veiled

Solution :

The correct answer is option 2 i.e. Apparent

- The meaning of the word 'Obscure' is 'not well known'.
- The meaning of all the other options are as follows-
- 1. Blurred- Not clear.
- 2. Apparent- Clear.
- 3. Cloudy- Not clear.
- 4. Veiled- Not expressed directly or clearly because you do not want your meaning to be obvious.

Clearly, the words Obscure and Apparent are antonym of each other.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The camel and the fox were very good friends and very good thieves. One day, the two friends (1) ______ to cross the river so that they could travel to a (2) ______ farm to steal food. The small fox (3) ______ swim, so the camel said to his friend, 'Climb (4) ______ onto my back and I will swim across the (5) _____.'

Question 4 :

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

Difficulty : Moderate

Average Time : 77 Seconds

Options :

- 1. over
- 2. up
- 3. above
- 4. across

Solution :

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



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• Hence, 'up' will be the most appropriate solution.

Hence, the correct sentence is-

Climb **up** onto my back

Question 5 :

'A + B' means 'A is the daughter of B'. 'A \$ B' means 'A is the husband of B'. 'A @ B' means 'A is the brother of B'. 'A & B' means 'A is the mother of B'. 'A % B' means 'A is the son of B'. If 'W @ S % K \$ G & U & T @ R + C', then which of the following statements is correct?

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Difficulty : Moderate

Options :

- 1. G is the maternal grandmother of R.
- 2. G is the father of W.
- 3. C is the wife of U.
- 4. C is the father-in-law of K.

Solution :

The correct answer is option 1 i.e. G is the maternal grandmother of 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.



From the above figure, G is the maternal grandmother of R.

Hence, option 1 is the correct answer.

Question 6 :

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Average Time : 63 Seconds





Average Time : 62 Seconds

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In a certain code language, if ESTEEM is written as HVWHHP, then how will DOCTOR be written in the same code language?

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Difficulty : Moderate

Options :

- 1. FQEVQT
- 2. GRFWRU
- 3. GRGVST
- 4. HSGXSV

Solution :

The correct answer is option 2 i.e. GRFWRU.

The logic used here is:

ESTEEM is written as HVWHHP

- E + 3 = H
- S + 3 = V
- T + 3 = W
- E + 3 = H
- E + 3 = H
- M + 3 = P

Similarly;

Code for the word DOCTOR:

- D + 3 = G
- O + 3 = R
- C + 3 = F
- T + 3 = W
- O + 3 = R
- R + 3 = U



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Hence, option 2 is the correct answer.

Question 7 :

If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following expression? 66 A (132 D 12) C (4 A 3) B (15 D 5) A 16 B (–3)

Difficulty : Moderate

Average Time : 60 Seconds

Options :

- 1. 56
- 2. 10
- 3. 8
- 0. 0
- 4. 6

Solution :

The correct answer is option 3 i.e. 8.

Given equation: 66 A (132 D 12) C (4 A 3) B (15 D 5) A 16 B (-3)

Given conditions: A +; B ×; C -; D ÷

After replacing the expression becomes:

 $= 66 + (132 \div 12) - (4 + 3) \times (15 \div 5) + 16 \times (-3)$

 $= 66 + 11 - 7 \times 3 + 16 \times (-3)$

= 66 + 11 - 21 - 48

```
= 8
```

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

Question 8 :

In a certain code language 'ROUBST' is coded as 61. How will 'FORTUNATE' be coded in that language?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

- 1. 142
- 2. 141



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- 124
- 4. 114

Solution :

The correct answer is option 4 i.e. 114.

The logic used here is:

'ROUBST' is coded as 61

Opposite of R = I = 9

Opposite of O = L = 12

Opposite of U = F = 6

Opposite of B = Y = 25

- Opposite of S = H = 8
- Opposite of T = G = 7

ROUBUST = (9 + 12 + 6 + 25 + 8 + 7) - Number of letters in the word = 67 - 6 = 61

Similarly;

Code for the word FORTUNATE:

Opposite of F = T = 21

Opposite of O = L = 12

Opposite of R = I = 9

Opposite of T = G = 7

- Opposite of U = F = 6
- Opposite of N = M = 13
- Opposite of A = Z = 26
- Opposite of T = G = 7
- Opposite of E = V = 22

FORTUNATE = (21 + 12 + 9 + 7 + 6 + 13 + 26 + 7 + 22) - Number of letters in the word = 123 - 9 = 114

Hence, option 4 is the correct answer.



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Question 9 :

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

Difficulty : Moderate

Average Time : 77 Seconds



Solution :

The correct answer is option 1 i.e

Question 10:

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

Difficulty : Moderate

Options :

1. BEG





Average Time : 61 Seconds



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- GJM
- 3. TWY
- 4. LOQ

Solution :

the correct answer is option 2 i.e. GJM.

The logic used here is:

1st letter + 3 = 2nd letter

2nd letter + 2 = 3rd letter

Option 1: BEG

B + 3 = E

```
E + 2 = G
```

This follows the logic.

Option 2: GJM

G + 3 = J

J + 2 = L

This does not follow the logic.

Hence, option 2 is the odd one out.

Question 11:

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. It has / been raining / since / two hours.

Difficulty : Moderate

Options :

- 1. been raining
- 2. It has
- 3. since
- 4. two hours



Average Time : 56 Seconds



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Solution :

the correct answer is option 3 i.e. since

- 'Since' is used to show points in time.
- Also 'for' is used to show periods of time.

Hence, the correct sentence is-

It has been raining for two hours.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The camel and the fox were very good friends and very good thieves. One day, the two friends (1) ______ to cross the river so that they could travel to a (2) ______ farm to steal food. The small fox (3) ______ swim, so the camel said to his friend, 'Climb (4) ______ onto my back and I will swim across the (5) _____.'

Question 12 :

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

Difficulty : Moderate

Options :

- 1. might
- 2. may not
- 3. ought to
- 4. could not

Solution :

The correct answer is option 4 i.e. could not

- The sentence talks about them crossing the river and the inability of the fox in crossing the river.
- Hence, the most appropriate option is 'Could not'.

Hence, the correct sentence is-

The small fox could not swim

Question 13 : Select the option that expresses the given sentence in passive voice. The judge found the prisoner guilty.

Difficulty : Moderate

Average Time : 48 Seconds

Average Time : 67 Seconds

Options :

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The prisoner has been found guilty by the judge

- 2. The prisoner had been found guilty by the judge.
- 3. The prisoner was found guilty by the judge.
- 4. The judge was found guilty by the prisoner.

Solution :

The correct answer is option 3 i.e. The prisoner was found guilty by the judge.

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- The given sentence is in active voice.
- The structure of the given sentence is as follows.
- 1. Subject+V2+Object
- The structure for the passive voice will be.
- 1. Subject(objective case)+was/were +V3+Object(subjective case)
- The subject in the given sentence is 'the judge'.
- The object in the given sentence is 'the prisoner'.
- The subject will be put in the place of the object and vice versa.
- 'Found' will be changed to 'was found'.

Hence, the correct sentence is-

The prisoner was found guilty by the judge.

Question 14 :

The sum of three numbers is 98. If the ratio of the first to the second is 2 : 3 and that of the second to the third is 5 : 8, then the third number is:

Difficulty : Moderate

Options :

- 1. 20
- 2. 48
- 3. 49
- 4. 30

Solution :

Average Time : 83 Seconds



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The correct answer is option 2 i.e. 48

Calculations:

Let the three numbers be x, y and z

According to the question,

x : y = 2 : 3 ---- (1)

y:z=5:8 ---- (2)

Multiplying equation (1) by 5 and (2) by 3, we get

x : y : z = 10 : 15 : 24

The value of $z = 98 \times (24/49) = 48$

Hence, the third number is 48.

Question 15 : Select the correctly spelt word.

Difficulty : Moderate

Options :

- 1. Convert
- 2. Concent
- 3. Conect
- 4. Convect

Solution :

The correct answer is option 1 i.e. Convert

- The correct spellings of the options are as follows-
- 1. Convert- The spelling is correct which means 'right'.
- 2. Concent- The correct spelling is Consent which means 'a harmony'.
- 3. Conect- The correct spelling is 'Connect' which means 'to be joined to something'.
- 4. Convect- The correct spelling is 'Convict' which means 'to say officially in a court of law that somebody is guilty of a crime'.

The correct answer is-

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Convert

Question 16 :

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'. This TV channel has a larger viewership from another channel.

Difficulty : Moderate

Average Time : 66 Seconds

Options:

- 1. from any other channel
- 2. from the other channel
- 3. No substitution required
- 4. than any other channel

Solution :

The correct answer is option 4 i.e. than any other channel

- The underlined part of the sentence is gramatically incorrect.
- In the sentence 'than any other channel' should be used instead of 'from any ither channel'.
- 'Than' is always used in case of comparison between two or more things.

The correct sentence is-

This TV channel has a larger viewership than any other channel.

Question 17:

Select the most appropriate synonym of the given word. Squawk

Difficulty : Moderate

Options:

- 1. Scream
- 2. Suggest
- 3. Explore
- 4. Connote

Solution :

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Average Time : 56 Seconds



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Average Time : 65 Seconds



The correct answer is option 1 i.e. Scream

• The meaning of the word 'Squawk' is 'to make a loud unpleasant noise'.

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- The meaning of the options given are as follows.
- 1. Scream- To cry out loudly in a high voice because you are afraid.
- 2. Suggest- To mention a plan or an idea that you have for somebody to discuss or consider.
- 3. Explore- To travel around a place, etc. in order to learn about it.
- 4. Connote- Imply or suggest.

Clearly, the words Scream and Squawk have a similar meaning. Hence, are synonym.

Question 18 :

If sec2 + tan2 = 3, 0° 90°, then (cos + sin) is equal to

Difficulty : Moderate

Options :

```
1. \frac{2+\sqrt{5}}{3}
2. \frac{1+\sqrt{5}}{6}
3. \frac{1+\sqrt{5}}{3}
4. \frac{1+\sqrt{5}}{6}
```

Solution :

The correct answer is **option 1** i.e. $\frac{2+\sqrt{5}}{3}$

Formula used:

 $\sec^2 - \tan^2 = 1$ ----- (1)

Calculations:

 $\sec^2 + \tan^2 = 3(1/2)$ ---- (2)

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

sec = 3/2 = Hypotenuse/perpendicular

Using Pythagoras theorem,

$$3^2 = 2^2 + Base^2$$

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 $Base^2 = 5$

Base = 5

According to the question:

cos + sin

2/3 + 5/3 = (2 + 5)/3

Question 19 :

Select the option that expresses the given sentence in passive voice. Who is creating this mess?

Difficulty : Moderate

Options :

- 1. By whom this mess being created?
- 2. Who has created this mess?
- 3. By whom has this mess been created?
- 4. By whom is this mess being created?

Solution :

The correct answer is option 4 i.e. By whom is this mess being created?

- The above sentence is in active voice.
- In order to change the sentence into passive voice following changes will be made.
- 1. 'Who' will be changed to 'By whom'.
- 2. Also 'whom' will be changed to 'who'.

Hence, the correct sentence is-

By whom is this mess being created?

Question 20 :

Select the most appropriate synonym of the given word. FINAL

Difficulty : Moderate

Options :

Average Time : 58 Seconds

2. Former

1. Forbidden



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Average Time : 84 Seconds





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Concluding

4. Allowed

Solution :

The correct answer is option 3 i.e. Concluding

- The meaning of the word 'Final' is 'last'.
- The meanings of the options are as follows-
- 1. Forbidden- To not allow something.
- 2. Former- Of an earlier time.
- 3. Concluding- To end.
- 4. Allowed- To give permission for somebody.

Similarly, the word **Concluding** is the synonym of Final.

Question 21 :

Select the option that expresses the given sentence in indirect speech. Ajay says, "There is going to be a snowfall."

Difficulty : Moderate

Options :

- 1. Ajay said that there is going to be a snowfall.
- 2. Ajay said that there was going to be a snowfall.
- 3. Ajay says that there was going to be a snowfall.
- 4. Ajay says that there is going to be a snowfall.

Solution :

The correct answer is option 4 i.e. Ajay says that there is going to be a snowfall.

- The sentence is in direct speech.
- In order to change it to Indirect speech the process is as follows.
- 1. The tense and pronouns of reported speech are changed only when the repoting verb is in past tense.
- 2. In the sentence the reporting verb is in present tense.
- 3. Hence, the sentence will remain the same.

Hence, the correct sentence is-

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Average Time : 55 Seconds





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Ajay says that there is going to be a snowfall.

Question 22 :

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'. In spite of my niece's dog Casper is very mischievous, he is lovable.

Difficulty : Moderate

Average Time : 78 Seconds

Options :

- 1. Nevertheless my niece
- 2. However my nieces
- 3. Although my niece's
- 4. No substitution required

Solution :

The correct answer is option 3 i.e. Although my niece's

- The above sentence is gramatically incorrect.
- The sentence talks about the dog being mischievous yet lovable.
- In the sentence 'Inspite of' is used instead of 'Although'.
- The phrase 'Although' means 'And and yet'.

Clearly, the correct sentence is-

Although my niece's dog Casper is very mischievous, he is lovable.

Question 23 :

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'. Which movie have you watched on television when I called you?

Difficulty : Moderate

Options:

Average Time : 62 Seconds

1. are you watching

- 2. No substitution required
- 3. were you watching
- 4. did you watched

Solution :



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The correct answer isoption 3 i.e were you watching

- The sentence is gramatically incorrect.
- The sentence is in past continuous tense so the verb should be used in past continuous form and not in present perfect form i.e. was/were+v-ing.
- · Hence, 'were you watching' should be used instead 'Have you watched'.

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Hence, the correct sentence is-

Which movie were you watching on television when I called you?

Question 24 :

Select the option that can be used as a one-word substitute for the given group of words. One who can read and write

Difficulty : Moderate

Options:

- 1. Eligible
- 2. Literate
- 3. Illiterate
- 4. Illegible

Solution :

The correct answer is option 2 i.e. Literate

- The meaning of options are as follows.
- 1. Eligible- Having the right to do or have something.
- 2. Literate- Able to read and write.
- 3. Illiterate- Not able to read or write.
- 4. Illegible- Difficult or impossible to read.

Clearly, as per the meanings of the options the one word substitute is-

Literate.

Question 25:

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. Firstly, it provides air for respiration, serves the sense of smell and conditions the air by filtering, warming and moistening it. B. The nose is the prominent structure between the eyes that serves as the entrance to the respiratory tract. C. For inhalation it has two cavities, separated from one another by a wall of cartilage called the septum. D. Apart from filtering the air, it also cleans itself of foreign debris extracted from inhalations.



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Difficulty : Moderate

Options :

- 1. BADC
- 2. ACDB
- 3. DBCA
- 4. BACD

Solution :

The correct answr is option 1 i.e. BADC

- The first sentence of paragraph is generally a general statement. Hence, B will the starting sentence.
- B will be followed by A as it tells about the basic funtion of nose.
- The next sentence will be D as it tells about the other function of nose apart from inhalation.
- The concluding part will be **C** as it tells about how inhalation takes place.

Hence, the correct paragraph is-

The nose is the prominent structure between the eyes that serves as the entrance to the respiratory tract. Firstly, it provides air for respiration, serves the sense of smell and conditions the air by filtering, warming and moistening it. Apart from filtering the air, it also cleans itself of foreign debris extracted from inhalations. For inhalation it has two cavities, separated from one another by a wall of cartilage called the septum.

Question 26 :

A shopkeeper allows a 28% discount on the marked price of an artical and still makes a profit of 30%. If he gains Rs 39.90 on the sale of an artical, then what is the marked price (to the nearest Rs) of the artical?

Difficulty : Moderate

Options :

- 1. 173
- 2. 133
- 3. 200
- 4. 240





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Solution :

The correct answer is option 4 i.e. 240

Calculations:

According to the question,

30% of the CP of the article = 39.90

CP of the article = $39.9/30 \times 100 = 133$

Selling price = 133 + 39.9 = 172.9

Now, we know

Selling price = Marked price - Marked price × Discount%

172.9 = Marked price - Marked price × 28%

Marked price = 172.9/0.72 = 240.13

Marked price = 240 (Approx.)

Question 27 :

Nine employees, K, L, M, N, O, P, Q, R, and S, are sitting in the office in a straight line, all facing the east. O is third to the right of M. K is third to the left of P. Q is between P and S. N is fourth to the right of M. P is to the immediate right of N. R is fourth to the left of O. Which of the following statements is NOT correct?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

- 1. L is sitting third to the left of O.
- 2. Q is sitting fourth to the right of K.
- 3. R and S are sitting at the corners.
- 4. O is sitting between K and N.

Solution :

The correct answer is **option 1** i.e. L is sitting third to the left of O.

According to the question, the arrangement is as follows:



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From the above arrangement, L is not sitting third to the left of O.

Hence, option 1 is the correct answer.

Question 28:

Select the number from among the given options that can replace the question mark (?) in the following series. 58, 67, 83, 108, ?

Difficulty : Moderate

Options :

- 1. 139
- 2. 157
- 3. 178
- 4. 144

Solution :

The correct answer is option 4 i.e. 144.

Given series: 58, 67, 83, 108, ?

The series follows this pattern:

58 + 9 = 67

67 + 16 = 83

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Average Time : 59 Seconds





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83 + 25 = 108

108 + 36 = 144

So, the next term in the series is 144.

Question 29 :

Select the set of classes and the relationship among which is best illustrated by the given Venn diagram.

Difficulty : Moderate

Average Time : 40 Seconds

Options :

- 1. Males, Females, Daughters
- 2. Entrepreneurs, Women, Philanthropists
- 3. Eatables, plums, Fruits
- 4. Women, Gynaecologists, Doctors

Solution :

The correct answer is option 2 i.e. Entrepreneurs, Women, Philanthropists.

The possible Venn diagram is:



Some women can be an entrepreneur and philanthropists and some entrepreneurs can be women and philanthropists.

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

Question 30 :

Six letters A, B, C, D, E and F are writtern on diffrent faces of a dice. Two positions of the same dice are shown. Select the letter that will be on the face opposite to the face having the letter `C'.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

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- В
- 2. E
- 3. D
- 4. F

Solution :

The correct answer is option 2 i.e E.

In the first and second dice, A is common. So, start rotating either in the clockwise or anticlockwise direction.

Clockwise direction:

Dice 1: A F C

Dice 2: A D E

So, C is opposite to E.

Anticlockwise direction:

Dice 1: A F C

Dice 2: A D E

So, C is opposite to E.

Hence, option 2 is the correct answer.

Question 31:

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. g _o_dk_m_f_o_kk_gfo_d_km

Difficulty : Moderate

Options :

- 1. fokgodmok
- 2. fokgodfok
- 3. fokdodmok
- 4. fokgodmom

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Solution :

f

Average Time : 60 Seconds

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The correct answer isoption 1 i.e. f o k g o d m o k.

The sequence is - fokgodmok

Given sequence: g _ o _ d k _ m _ f _ o _ k k _ g f o _ d _ k m

Option 1: fokgodmok

gfoodkkm/gfoodkkm/gfoodkkm

Option 1 forms a particular pattern.

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

Question 32 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. RSX, NQW, JOV, FMU, ?

Difficulty : Moderate

Options :

- 1. CJS
- 2. BKT
- 3. DKS
- 4. BLT

Solution :

The correct answer is option 2 i.e. BKT.

Given series: RSX, NQW, JOV, FMU,?

The series follows this pattern:

RSX, NQW

R - 4 = N

S - 2 = Q

X - 1 = W

Similarly;

FMU,?



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Average Time : 74 Seconds





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- F 4 = B
- M 2 = K
- U 1 = T

So, the next term in the series is BKT.

Question 33:

Select the most appropriate meaning of the given idiom. A hair in the butter

Difficulty : Moderate

Options:

- 1. A slippery road
- 2. Sinking in debt
- 3. A challenging situation
- 4. Easy to handle

Solution :

The correct answer is option 3 i.e. A challenging situation

The correct meaning of the above idiom is 'A challenging situation'

The correct answer is-

A challenging situation

Question 34 :

Select the most appropriate ANTONYM of the given word. Exonerate

Difficulty : Moderate

Options :

- 1. Exempt
- 2. Absolve
- 3. Acquit
- 4. Engage

f

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Average Time : 42 Seconds

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Average Time : 50 Seconds





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Solution :

The correct answer is option 4 i.e. Engage

• The meaning of 'Exonerate' is 'free from a charge of wrongdoing'.

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- The meaning of all the other options are as follows.
- 1. Exempt- Free or released from some liability.
- 2. Absolve- To set (someone) free from an obligation.
- 3. Acquit- To state formally that a person is not guilty of a crime.
- 4. Engage- To give work to somebody.

Clearly, as per the meaning of the options 'Engage' is the antonym of 'Exonerate'.

Question 35 :

Select the option that can be used as a one-word substitute for the given group of words. Drawings or writing on a wall in a public place

Average Time : 63 Seconds

Difficulty : Moderate

Options :

- 1. Portrait
- 2. Collage
- 3. Caricature
- 4. Graffiti

Solution :

The correct answer is option 4 i.e. Graffiti

- The meaning of the options are as follows.
- 1. Portrait- A picture, painting or photograph of a person
- 2. Collage- A picture made by fixing pieces of paper, cloth, photographs, etc.
- 3. **Caricature-** A picture or description of somebody that makes his/her appearance or behaviour funnier and more extreme than it really is.
- 4. Graffiti- Pictures or writing on a wall, etc. in a public place.

Clearly as per the meanings of the options above 'Graffiti' is the correct answer.

Question 36 :

The following sentence has been divided into parts. One of them may contain an 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. Every Saturday, / the workers gets



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/ their weekly wages.

Difficulty : Moderate

Options :

- 1. No error
- 2. Every Saturday
- 3. their weekly wages
- 4. the workers gets

Solution :

The correct answer is option 4 i.e. the workers gets

- The above sentence is gramatically incorrect.
- As per the rule, singular verb is used with a singular subject whereas plural verb is used with a plural subject.
- In the sentence 'workers' is plural subject hence, will use 'get' as a plural verb.

Hence, the correct sentence is-

Every Saturday, the workers get their weekly wages.

Question 37 :

Select the most appropriate option to fill in the blank. You will find it difficult _____ but later you will get used to wearing a mask.

Difficulty : Moderate

Average Time : 59 Seconds

Average Time : 69 Seconds

Options :

- 1. at first
- 2. on first
- 3. firstly
- 4. at the first

Solution :

The correct answer is option 1 i.e. at first

- The above sentence talks about the difficulty of wearing a mask.
- The meaning of the phrase 'at first' is 'at the beginning'

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Hence, the correct sentence is-

You will find it difficult at first but later you will get used to wearing a mask.

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Question 38:

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The contrast between / Britain and other countries / of Europe / are striking.

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Difficulty : Moderate

Options:

- 1. of Europe
- 2. The contrast between
- 3. Britain and other countries
- 4. are striking

Solution :

The correct answer is option 4 i.e. are striking

- The above sentence is gramatically incorrect.
 - As per the rule, singular verb is used with a singular subject whereas plural verb is used with a plural subject.
 - In the sentence 'contrast' is a singular subject hence, will use 'is' as a singular verb instead of 'are'.

Hence, the correct sentence is-

The contrast between Britain and other countries of Europe is striking.

Question 39:

Select the most appropriate meaning of the given idiom. Cool as a cucumber

Difficulty : Moderate

Options :

- 1. Nervous and fidgety
- Calm and composed
- 3. Irritated and annoyed
- 4. Happy and excited

Solution :

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Average Time : 53 Seconds

Average Time : 59 Seconds

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The correct answer isoption 2 i.e. Calm and composed

- The meaning of the idiom 'Cool as a cucumber' is 'Calm and composed'.
- All the other options don't have the same meaning as of the idiom.

Hence, the correct answer is-

Calm and composed.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The camel and the fox were very good friends and very good thieves. One day, the two friends __ to cross the river so that they could travel to a (2) _____ farm to steal food. The small fox (3) ____ (1) swim, so the camel said to his friend, 'Climb (4) _____ onto my back and I will swim across the (5) _____.

Question 40:

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

Difficulty : Moderate

Options:

- 1. are decide
- 2. deciding
- 3. decided
- 4. will decide

Solution :

The correct answer is option 3 i.e. decided

- The above passage is in **past tense.** Hence, the verb should be used in the **past tense.**
- Therefore, the most appropriate answer will be 'decided'.

Hence, the correct sentence will be-

One day, the two friends decided to cross the river

Question 41:

Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number, 21: 112:: 36:? :: 51: 272



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Difficulty : Moderate

Average Time : 54 Seconds

Options :

- 1. 252
- 2. 192
- 3. 72
- 4. 198

Solution :

The correct answer is **option 2** i.e. **192**.

The logic used here is:

21: 112

 $21 \times 6 = 126$

126 - 14 = 112

51: 272

 $51 \times 6 = 306$

306 - 34 = 272

Similarly,

36:?

 $36 \times 6 = 216$

216 - 24 = 192

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

Question 42 :

The average salary of the entire teaching staff in a college is \hat{a} , 12,000 per day. The average salary of the male teachers is \hat{a} , 12,500 and that of the female teachers is \hat{a} , 11,200. If the number of male teachers is 16, then find the number of female teachers in the college.

Difficulty : Moderate

Average Time : 51 Seconds

Options :



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18

- 2.14
- 3. 12
- 4. 10

Solution :

The correct answer is option 4 i.e. 10

Question 43 :

If a + b - c = 5 and ab - bc - ac = 10, then find the value of a2 + b2 + c2.

Difficulty : Moderate

Options:

- 1.40
- 2.45
- 3.5
- 4. 15

Solution :

The correct answer is option 3 i.e. 5

Formula used:

 $(a + b - c)^{2} = a^{2} + b^{2} + c^{2} + 2(ab - bc - ca)$ ---- (1)

Calculations:

Using equation (1), we get

 $25 = a^2 + b^2 + c^2 + 2(10)$ $a^{2} + b^{2} + c^{2} = 25 - 20 = 5$

Question 44: Select the option in which the given figure is embedded (rotation is NOT allowed).

Difficulty : Moderate

Average Time : 51 Seconds

Options :

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Average Time : 32 Seconds





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Solution :

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

The given figure is embedded in option 1, as shown below:



Question 45:

Select the option that is related to the third term in the same way as the second term is related to the first term. HARMONY: BMLGUDK:: RESOLVE:?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

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OVEJUHV

- 2. VEOIVHU
- 3. VOEIUVH
- 4. EVOJHVU

Solution :

the correct answer is option 2 i.e. VEOIVHU.

The logic used here is:

HARMONY: BMLGUDK

First, reverse the code.

HARMONY = KDUGLMB

- H + 3 = K
- A + 3 = D
- R + 3 = U
- M 6 = G
- Opposite of O = L

Opposite of N = M

Opposite of Y = B

Similarly,

RESOLVE:?

R + 3 = U

E + 3 = H

S + 3 = V

O - 6 = I

Opposite of L = O

Opposite of V = E

Opposite of E = V



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RESOLVE = VEOIVHU

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

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The camel and the fox were very good friends and very good thieves. One day, the two friends (1) ______ to cross the river so that they could travel to a (2) ______ farm to steal food. The small fox (3) ______ swim, so the camel said to his friend, 'Climb (4) ______ onto my back and I will swim across the (5) _____.'

Question 46 :

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

Difficulty : Moderate

Options :

- 1. sea
- 2. lake
- 3. ocean
- 4. river

Solution :

The correct answer is option 4 i.e. river

- The sentence talks how they crossed the river.
- 'River' is the most appropriate answeR.

Hence, the correct sentence is-

I will swim across the river

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The camel and the fox were very good friends and very good thieves. One day, the two friends (1) ______ to cross the river so that they could travel to a (2) ______ farm to steal food. The small fox (3) ______ swim, so the camel said to his friend, 'Climb (4) ______ onto my back and I will swim across the (5) _____.'

Question 47 :

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



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Difficulty : Moderate

Average Time : 64 Seconds

Average Time : 56 Seconds

Options :

- 1. nearly
- 2. near
- 3. nearest
- 4. nearby

Solution :

The correct answer is option 4 i.e. nearby

- The sentence states that they decided to cross the river so that they can go the nearest place.
- Hence, 'Nearby' is the most appropriate answer.

Hence, the correct sentence is-

One day, the two friends decided to cross the river so that they could travel to a nearby farm to steal food.

Question 48 :

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

Difficulty : Moderate

Options :



4.



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Solution :



After unfolding, the paper will appear as follows:

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Question 49:

Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it. 12 8 100 18 6 111 15 4 ?

Difficulty : Moderate

Options :

- 1. 62
- 2.78
- 3. 108
- 4. 102

Solution :

The correct answer is option 1 i.e. 62.

The logic used here is:

Row 1: (12 × 8) + 4 = 96 + 4 = 100

Row 2: (18 × 6) + 3 = 108 + 3 = 111

Row 3: $(15 \times 4) + 2 = 60 + 2 = 62$

Question 50:



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Select the number from among the given options that can replace the question mark (?) in the following series. 3, 11, 31, 69, 131, ?

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Difficulty : Moderate

Average Time : 39 Seconds

Options :

- 1. 152
- 2. 163
- 3. 223
- 4. 198

Solution :

the correct answer is option 3 i.e. 223.

Given series: 3, 11, 31, 69, 131, ?

The series follows this pattern:



So, the next term in the series is 223.

Question 51:

If '@' means 'addition', '%' means 'multiplication', '\$' means 'division', and '#' means 'subtraction', then find the value of the following expression. 23 @ 105 \$ 15 % 6 # 29

Difficulty : Moderate

Options :

- 1. 28
- 2.40
- 3. 23
- 4.36

Average Time : 44 Seconds



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Solution :

The correct answer is **option 4** i.e. **36**.

Given equation: 23 @ 105 \$ 15 % 6 # 29

Given conditions: @ +; % ×; \$ ÷; # -

After replacing the expression becomes:

 $= 23 + 105 \div 15 \times 6 - 29$

= 23 + 7 × 6 - 29

= 36

Hence, option 4 is the correct answer.

Question 52:

In a certain code, 6218 means 'Laptop is a computer', and 8217 means 'Computer is a machine'. Which of the following is the code for 'Machine makes our life easy'?

Difficulty : Moderate

Options:

- 1. 75344
- 2. 58795
- 3. 76834
- 4. 75894

Solution :

The correct answer is option 1 i.e. 75344.

The logic used here is:

6218 means 'Laptop is a computer', and 8217 means 'Computer is a machine'

Number of letters in the word Laptop = 6

Number of letters in the word is = 2

Number of letters in the word a = 1

Number of letters in the word computer = 8

Number of letters in the word machine = 7

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Average Time : 50 Seconds



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So, code for 'Machine makes our life easy' is 75344

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

Question 53 :

Six letters, D d E, e F and F, are written on the different faces of a dice. Two positions of these dice are shown. Select The letter that will be on the face opposite to the face having the letter `D'.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

- 1. e
- 2. f
- 3. E
- 4. d

Solution :

The correct answer is option 2 i.e. f.

In the first and second dice, e is common. So, start rotating either in the clockwise or anticlockwise direction.

Clockwise direction:

Dice 1: e D F

Dice 2: e f d

So, D is opposite to f.

Anticlockwise direction:

Dice 1: e F D

Dice 2: e d f

So, D is opposite to f.

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

Question 54 : Select the correct mirror image of the given figure when the mirror is placed at `PQ' as shown.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

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The mirror image of the question figure is shown below:



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

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

Question 55:

The ______ festival of Sikkim is also known as Bhoomi puja or chandi puja.



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Difficulty : Moderate

Average Time : 78 Seconds

Options :

- 1. Losar
- 2. Barahimizong
- 3. Sakewa
- 4. Indra Jatra

Solution :

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

1. Sakewa is one of the most significant cultural and religious festivals for the Kirat Khambu Rai community in Sikkim.

2. It is an annual festival and is celebrated as a tribute to mother nature.

3. It is marked with the performing of puja where prayers are offered to the Supreme Power for Peace and Protection and for the wellbeing of all the living and non-living things of the universe.

Question 56 :

The Poona Pact of 1932 was an agreement between Mahatma Gandhi and ______.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

- 1. Lord Irwin
- 2. BR Ambedkar
- 3. Aurobindo Ghose
- 4. Bal Gangadhar Tilak

Solution :

The correct answer is option 2 i.e. BR Ambedkar.

- The Pact was signed between Mahatma Gandhi and Bhim Rao Ambedkar on September 24, 1932, while Gandhi was in Yerwada Central Jail, Pune thereby ending Gandhi's fast.
- Poona Pact was a solution to the Communal Award announced on August 16, 1932 by the British Prime Minister Ramsay Macdonald.
- Mahatma Gandhi announced that he would fast unto death if the clause of separate electorates was not removed from the communal award.



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Question 57 :

Los Angeles Clippers and Portland Trail Blazers are _____ teams.

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Difficulty : Moderate

Options :

- 1. Women's Tennis
- 2. Women's Hockey
- 3. Men's Volleyball
- 4. Men's Basketball

Solution :

The correct answer is option 4 i.e. Men's Basketball.

- The Portland Trailblazers, commonly known as the Blazers, are an American professional basketball team based in Portland, Oregon. The Trail Blazers compete in the National Basketball Association (NBA) as a member club of the league's Western Conference Northwest Division.
- The Los Angeles Clippers (branded as the LA Clippers) are an American professional basketball team based in Los Angeles. The Clippers are a member of the Pacific Division of the Western Conference in the National Basketball Association (NBA).

Question 58 :

_____ is the measure of relative clarity of a liquid.

Difficulty : Moderate

Options :

- 1. Reduction
- 2. Conductivity
- 3. Turbidity
- 4. Composting

Solution :

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

- Turbidity is the measure of relative clarity of a liquid.
- It is an optical characteristic of water and is a measurement of the amount of light that is scattered by material in the water when a light is shined through the water sample.





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Turbidity is caused by particles suspended or dissolved in water that scatter light making the water appear cloudy or murky.

Question 59 :

At a Regional Rural Bank, the share of the Government of India is ______

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Difficulty : Moderate

Options :

- 1. 50%
- 2. 60%
- 3. 40%
- 4. 20%

Solution :

The correct answer is option 1 i.e. 50%.

- The Act mandates that of the capital issued by a RRB, 50% shall be held by the central government, 15% by the concerned state government and 35% by the sponsor bank.
- The Regional Rural Banks (Amendment) Bill, 2014 was introduced by the Minister of Finance, Mr. Arun Jaitley, in Lok Sabha on December 18, 2014. The Bill seeks to amend the Regional Rural Banks Act, 1976.
- The Regional Rural Banks Act, 1976 mainly provides for the incorporation, regulation and winding up of Regional Rural Banks (RRBs).

Question 60 :

Before being renamed, Mount Everest was simply known as _____

Difficulty : Moderate

Options :

- 1. Peak VI
- 2. Peak IX
- 3. Peak XV
- 4. Peak XII

Solution :

The correct answer is option 3 i.e. Peak XV.

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Peak XV was the geographic survey name given in the 1850s to the Himalayan peak that later became known to many in the world as Mount Everest.

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• PEAK 15 dates its origins back to 2001 when development began on a one of a kind system. In 2005, the system had proven its worth and the company was formed to bring it to market.

Question 61 :

As per a list compiled by the United Nations Population Division, _____ is the world's fastestgrowing city with a 44% increase in population between 2015 and 2020.

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Difficulty : Moderate

Options :

- 1. Kozhikode
- 2. Surat
- 3. Jaipur
- 4. Malappuram

Solution :

The correct answwer is option 4 i.e. Malappuram.

- Malappuram in Kerala has recorded the fastest population growth in the world, according to a report in the Economist magazine that is based on United Nations data.
- Malappuram, recorded a 44 per cent rise in its population from 2015 to 2020, topped the ranking.
- Apart from Malappuram, two other cities from Kerala Kozhikode and Kollam feature in the top 10 of the rankings that have been compiled from the 2019 UN Population Division report.

Question 62 :

The Swachh Bharat Mission (SBM) was launched in the year _____ to fulfil the vision of cleaner India as a tribute to Mahatma Gandhi.

Difficulty : Moderate

Average Time : 56 Seconds

Options:

- 1. 2015
- 2. 2016
- 3. 2014
- 4. 2017



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Solution :

The correct answer is **option 3** i.e. **2014.**

- To accelerate the efforts to achieve universal sanitation coverage and to put the focus on sanitation, the Prime Minister of India had launched the Swachh Bharat Mission on 2nd October 2014.
- Under the mission, all villages, Gram Panchayats, Districts, States and Union Territories in India declared themselves "open-defecation free" (ODF) by 2 October 2019, the 150th birth anniversary of Mahatma Gandhi, by constructing over 100 million toilets in rural India.
- The mission aims to make India an open defecation free country in Five Years. Under the mission, One lakh thirty four thousand crore rupees will be spent for construction of about 11 crore 11 lakh toilets in the country.

Question 63 :

King Ajatashatru was a ruler of the _____ dynasty.

Difficulty : Moderate

Options :

- 1. Mauryan
- 2. Haryanka
- 3. Shishunaga
- 4. Nanda

Solution :

The correct answer is option 2 i.e. Haryanka.

- Yudhishtira, the eldest of the Pandavas and the one with a claim to Hastinapur's throne, is also known as Ajatshatru or the one without enemies.
- Ajatashatru reigned from 493/492 BCE c. 462/460 BCE and was the second important king of the Haryanka Dynasty.

Question 64 :

Which of the following is India's first Paperless Budget?

Difficulty : Moderate

Options :

- 1. Union Budget 2021-22
- 2. Union Budget 2019-20



Average Time : 59 Seconds



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Union Budget 2020-21

4. Union Budget 2018-19

Solution :

The correct answer is option 1 i.e. Union Budget 2021-22.

- The Union Budget 2021 was presented in a digital format for the first time to promote the Government of India's (GoI) Digital India flagship programme.
- It was presented by the Union Finance Minister Nirmala Sitharaman.

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• A "Union Budget Mobile App" was also launched for hassle-free access of Budget documents by Members of Parliament (MPs) and the general public.

Question 65 :

Who among the following wrote the novel 'The Great Gatsby'?

Difficulty : Moderate

Options :

- 1. Harper Lee
- 2. Chinua Achebe
- 3. Alice Walker
- 4. F Scott Fitzgerald

Solution :

The correct answer is option 4 i.e. F Scott Fitzgerald.

- The Great Gatsby, F. Scott Fitzgerald's third book, stands as the supreme achievement of his career.
- The story of the fabulously wealthy Jay Gatsby and his love for the beautiful Daisy Buchanan, of lavish parties on Long Island at a time when The New York Times noted "gin was the national drink and sex the national obsession," it is an exquisitely crafted tale of America in the 1920s.

Question 66 :

What is the power of 'second' in the SI unit of acceleration?

Difficulty : Moderate

Options :

Average Time : 54 Seconds



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Average Time : 53 Seconds





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- -2
- 2.0
- 3.1
- 4. -1

Solution :

The correct answer is **option 1** i.e. **-2**.

- The SI unit of acceleration is the meter per second squared or (ms²).
- The equation for calculating acceleration is: Acceleration = (change in velocity)/(change in time).
- The rate at which velocity changes with time in terms of both speed and direction is acceleration.

Question 67:

Which of the following is a peninsular river?

Difficulty : Moderate

Options:

- 1. Ganga
- 2. Narmada
- 3. Brahmaputra
- 4. Indus

Solution :

The correct answer is option 2 i.e. Narmada.

- The peninsular rivers are the rivers that originate from the peninsular plateaus and small hills of India.
- The majority of these rivers flow towards the Bay of Bengal from their Western Ghats origins. They are distinguished by wide and deep U-shaped valleys. The main water division in peninsular rivers is caused by the Western Ghats.
- These rivers are seasonal or non-perennial as they receive water only from the rains and thus cannot maintain water flow throughout the year.
- Godavari, Krishna, Cauvery, Narmada, Tapti, Mahanadi, and Damodar are the peninsular rivers.

Question 68 :

Karishma Yadav was awarded the Vikram Award 2019 for _____ by the Government of Madhya Pradesh.

Difficulty : Moderate

Average Time : 58 Seconds

Options:

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hockey

- 2. shooting
- 3. archery
- 4. swimming

Solution :

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

- Karisma Yadav was selected in the state women's hockey academy Gwalior run by the Madhya Pradesh government
- Karishma Yadav received gold and silver medals at the national level after receiving intensive training here.
- In the year 2015, Chief Minister Shivraj Singh Chauhan honored Kumari Karishma Yadav with Eklavya Award, the highest sports honor of Madhya Pradesh.
- She became the first player to achieve the distinction of being the first international player in Gwalior's Women hockey history.

Question 69 :

Which of the following statements about the 'Gotra' practice in ancient India is true?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

- 1. Each gotra was named after a famous king.
- 2. Women retained their father's gotra after marriage.
- 3. Men and women were expected to marry within the same gotra.
- 4. People belonging to the same gotra were regarded as descendants of the person after whom the gotra was named.

Solution :

The correct answer is option 4 i.e. People belonging to the same gotra were regarded as descendants of the person after whom the gotra was named.

- As per the Hindu tradition, gotra is traced back to the seven Vedic sages collectively known as 'Saptarishi'.
- Their concept of gotra dates back to 14th century, the time of Timur's massive assault on north-western India.
- In Hindu culture, the term gotra is commonly considered to be equivalent to clan. It broadly refers to people who are descendants in an unbroken male line from a common male ancestor or patrilineal.

Question 70 :

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Ferrum is the Latin name for _

Difficulty : Moderate

Options:

- 1. iron
- 2. zinc
- 3. copper
- 4. nickel

Solution :

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

- Ferrum, the Latin, is the root for the modern names for iron in the Italic languages. The word ferrum is possibly of Semitic origin.
- The atomic number of iron is 26 and belongs to group 8 of the periodic table.
- Iron is a major component of hemoglobin, a type of protein in red blood cells that carries oxygen from your lungs to all parts of the body.

Question 71:

Who among the following is the author of the epic poem 'Kamayani'?

Difficulty : Moderate

Options:

- 1. Mahadevi Varma
- 2. Jaishankar Prasad
- 3. Mahavir Prasad Dwivedi
- 4. Gopala Sarana Sinha

Solution :

The correct answer is option 2 i.e. Jaishankar Prasad.

- Kamayani is one of the greatest Hindi literary works of Hindi writer and poet Jai Shankar Prasad.
- Kamayani is an allegorical epic poem that dramatises the tradition, culture and philosophy of India.
- It depicts the interplay of human emotions, thoughts, and actions by taking mythological metaphors.



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Average Time : 67 Seconds

Average Time : 51 Seconds



Kamayani has personalities such as Manu, Ida and Shraddha, who are found in the Vedas.

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Question 72:

A bill becomes an Act of the Parliament after being passed by both the houses of Parliament and assented to by the

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Difficulty : Moderate

Average Time : 57 Seconds

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Options :

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

Solution :

The correct answer is option 2 i.e. President.

- A Bill is a statute in draft and cannot become law unless it has received the approval of both the Houses of Parliament and the assent of the President of India.
- The process of law making begins with the introduction of a Bill in either House of Parliament. A Bill can be introduced either by a Minister or a member other than a Minister.

Question 73:

Which of the following is NOT a water pollutant?

Difficulty : Moderate

Options:

- 1. Chromium
- 2. Silt
- 3. Glacier
- 4. Arsenic

Solution :

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

 A glacier is a large, perennial accumulation of crystalline ice, snow, rock, sediment, and often liquid water that originates on land and moves down slope under the influence of its own weight and gravity.



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Average Time : 51 Seconds





Glaciers exist and may even form in areas where mean annual temperatures are close to the freezing point and winter precipitation produces significant accumulations of snow.

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Question 74 :

According to the Economic Survey 2020-21, imports are expected to decline by _____ in the second half of FY21.

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Difficulty : Moderate

Average Time : 50 Seconds

Options :

- 1. 11.3%
- 2. 6.3%
- 3. 5.4%
- 4. 8.2%

Solution :

The correct answer is **option 1** i.e. **11.3%**.

- Exports are expected to decline by 5.8 per cent and imports by 11.3 per cent in the second half of the year.
- India is expected to have a Current Account Surplus of 2 per cent of GDP in FY21, a historic high after 17 years.
- India remained a preferred investment destination in FY 2020-21 with FDI pouring in amidst global asset shifts towards equities and prospects of quicker recovery in emerging economies:
 - Net FPI inflows recorded an all-time monthly high of US\$ 9.8 billion in November 2020, as investors' risk appetite returned.
 - India was the only country among emerging markets to receive equity FII inflows in 2020.

Question 75 :

With reference to the Money Bills in the Parliament, which of the following statements is INCORRECT?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

- 1. The Lok Sabha can either accept or reject all or any of the recommendations of the Rajya Sabha.
- 2. It can be introduced only in the Lok Sabha.
- 3. It can only be introduced by a minister and not by a private member.
- 4. It can be rejected or amended by the Rajya Sabha

Solution :

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The correct answer isoption 4 i.e. It can be rejected or amended by the Rajya Sabha.

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- A Bill may be introduced in either House of Parliament. However, a Money Bill can not be introduced in Rajya Sabha.It can only be introduced in Lok Sabha.
- Rajya Sabha is required to return a Money Bill passed and transmitted by Lok Sabha within a period of 14 days from the date of its receipt. Rajya Sabha may return a Money Bill transmitted to it with or without recommendations.
- However, if Rajya Sabha does not return a Money Bill within the prescribed period of 14 days, the Bill is deemed to havebeen passed by both Houses of Parliament at the expiry of the said period of 14 days in the form in which it was passed by Lok Sabha.

Question 76 :

Article ______ of the Constitution of India lays down the process for introducing changes in the Constitution.

Difficulty : Moderate	Average Time : 81 Seconds
Options : 1. 351	
2. 342	
3. 368	
4. 374	

Solution :

The correct answer is option 3 i.e. 368.

- Under Article 368, the powers of the Parliament to amend the constitution is unrestricted with regards to sections of the constitution they wish to amend.
- It stated that despite whatever is mentioned in the constitution, the Parliament would be able to add, repeal and amend any section of the constitution according to the procedures set down by Article 368, even provisions mentioned in the provision of Article 368.

Question 77:

Who among the following is the author of the book 'Two Lives'?

Difficulty : Moderate

Average Time : 50 Seconds

Options:

- 1. Vikram Seth
- 2. Arundhati Roy



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Sudha Murty

4. Chetan Bhagat

Solution :

The correct answer is option 1 i.e. Vikram Seth.

- Vikram Seth's 'Two Lives' is both a chronicle of a violent century seen through the eyes of two survivors and an intimate portrait of their friendship, marriage and complex love.
- A childless couple living in England—Henny, a German-Jew who fled Hitler's Germany, and Shanti from the Raj's India—take in their grand nephew Vikram Seth.

Question 78 :

'Ponung' is a popular dance form from the state of _____.
Difficulty : Moderate
Options :

Goa
Bihar
Arunachal Pradesh
Chhattisgarh

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Solution :

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

- 1. Ponung folk dance is a popular dance in Arunachal Pradesh. It belongs to the Adi tribe.
- 2. It is danced at the festival held just before the harvesting operations.
- 3. It is believed that the dance will bring about a good harvest and prosperity to the community.

Additional Information-

Goa	A popular ritualistic folk dance from Goa, India, is called dhalo.
Bihar	Jata-Jatin, Bakho-Bakhain, Panwariya



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Chhattisgarh Other well-known dance forms from the area include the Panthi, Soowa, and Raut Nacha (cowherds' folk dance).

Question 79 :

Which of the following is the physical quantity for the expression arc/radius?

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Difficulty : Moderate

Options :

- 1. Linear momentum
- 2. Velocity
- 3. Plane angle
- 4. Surface tension

Solution :

The correct answer is option 3 i.e. Plane angle.

- A plane angle is an angle at the intersection of two straight lines or two planes. It has two dimensions.
- Radian is the SI unit of plane angle, and it is denoted as 'rad'.
- The space between these lines in the plane defined by them is the plane angle.
- It is measured in radians (2 radians in a circle) or degrees (360 degrees to a circle).

Question 80 :

Shyam drives his car 30 km at a speed of 45 km/h and, for the next 1 h 20 m he drives it at a speed of 51 km/h. Find his average speed (in km/h) for the entire journey.

Difficulty : Moderate

Options :

- 1. 48
- 2.47
- 3. 49
- 4. 48.5

Solution : The correct answer is option 3 i.e. 49

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Average Time : 66 Seconds

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Formula used:

Average speed = Total distance/total time taken

Calculations:

Shyam travels 45 km in 60 mins

He can travel 30 km in 40 mins

Distance traveled by shyam in the next 1 hour 20 mins = $51 \times 4/3 = 68$ km

Average speed = (30 + 68)/2 = 98/2 = 49

Hence, the average speed for the entire journey is 49 km/h.

Question 81 :

The following bar chart shows the number of students enrolled intwo Summer Camp A and B from 2014 to 2019. Study the chart carefully and answer the question that follows. What is the ratio of the students enrolled in Camp A in 2014, 2016 and 2017 to the students enrolled in Camp B in 2015, 2018 and 2019?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

- 1. 22 : 15
- 2. 15 : 22
- 3. 18 : 13
- 4. 13 : 18

Solution :

The correct answer is option 4 i.e. 13:18

Calculations:

Total students enrolled in Camp A in 2014, 2016 and 2017 = 160 + 140 + 220 = 520

Total students enrolled in Camp B in 2015, 2018 and 2019 = 240 + 200 + 280 = 720

Required ratio = 520 : 720

13 : 18

Question 82 :

In the following figure, P and Q are centres of two circles. The circles are intersecting at points A and B. PA produced on



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bot the sides meets the circles at C and D. If CPB = 100°, then find the value of x.

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Difficulty : Moderate

Options:

- 1. 110
- 2. 100
- 3. 115
- 4. 120

Solution :

The correct answer is option 2 i.e. 100

Given:

 $CPB = 100^{\circ}$

Calculations:



According to the figure:

 $APB + CPB = 180^{\circ}$ (APB is the supplementary angle of CPB)

Now in triangle APB,

PAB = PBA (AP = PB = radius)

 $PAB = 50^{\circ}$

DAB = 180° - PAB = 130° (Supplementary angle of PAB)

In cyclic quadrilateral ABRD

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BRD = 180° - 130° = 50°

According to the concept of the angle subtended by an arc at the centre is twice the angle subtended by it anywhere on the circle circumference.

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 $BQD = x = 2 \times 50^{\circ} = 100^{\circ}$

Question 83 :

The price of an item is reduced by 20%. As a result, customers can get 2 kg more of it for Rs 360. Find the original price (in Rs) per kg of the item.

Difficulty : Moderate

Options :

- 1. 40
- 2. 45
- 3. 36
- 4. 48

Solution :

The correct answer is option 2 i.e. 45

Calculations:

We know that 20% = 1/5 in fraction

So let the price be 5x

After reduction it will be 4x

As a result, customers can get 2 kg more of it for Rs 360

(360/4x) - (360/5x) = 2

90/x - 72/x = 2

18/x = 2

x = 9

So the actual price = $5x = 5 \times 9 = 45$

Question 84 :

Find the greatest number 234a5b, which is divisible by 22 but not divisible by 5.



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Difficulty : Moderate

Average Time : 49 Seconds

Options :

- 1. 234751
- 2. 234058
- 3. 234850
- 4. 234652

Solution :

The correct answer is option 4 i.e. 234652

Concept used:

If a number is divisible by 22, it will be divisible by 2 and 11

For a number to be divisible by 2, the unit place should be even number or 0(with ten place).

For a number to be divisible by 11, if the sum of the digits in the odd places and the sum of the digits in the even places difference is a multiple of 11 or zero.

Calculations:

For a number not divisible by 5, value of b can not be 0.

To get the greatest number a > b

(2 + 4 + 5) - (3 + a + b) = 0 or multiple of 11

a + b = 8

Possible value of a and b are (8, 0) (7, 1) (6, 2) (5, 3) (4, 4) and so on

When b = 2, a = 6 and

when b = 4, a = 4

So we know that for the greatest value a > b,

So the required number is 234652.

Question 85 :

In a $\hat{a}^{+}ABC$, the bisector of A meets BC at D. IF AB = 9.6 cm, AC = 11.2 cm and BD = 4.8 cm, the perimeter (in cm) of $\hat{a}^{+}ABC$ is:



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Difficulty : Moderate

Average Time : 79 Seconds

Options :

- 1. 31.2
- 2. 28.6
- 3. 30.4
- 4. 32.8

Solution :

The correct answer is option 1 i.e. 31.2

Concept used:

According to the angle bisector theorem, 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:



According to the concept,

AB/AC = BD/DC

9.6/11.2 = 4.8/DC

DC = 5.6

So, BC = 5.6 + 4.8 = 10.4

Perimeter of triangle ABC = 9.6 + 10.4 + 11.2 = 31.2

Question 86 :

If = 23, x > 0 what is the value of = ?

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Difficulty : Moderate

Average Time : 55 Seconds

Options :

- 1. 110
- 2. -140
- 3. -110
- 4. 140

Solution :

The correct answer is **option 1** i.e. **110**

Formula used:

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

 $(a + b)^{3} = a^{3} + b^{3} + 3ab(a + b)$

Calculations:

Using the formula, we get

$$(x + 1/x)^2 = x^2 + 1/x^2 + 2$$

 $(x + 1/x)^2 = 23 + 2 = 25$
 $(x + 1/x) = 5$

$$(x + 1/x)^{3} = x^{3} + 1/x^{3} + 3(x + 1/x)$$

$$5^{3} = x^{3} + 1/x^{3} + 3 \times 5$$

$$125 - 15 = x^{3} + 1/x^{3}$$

$$x^{3} + 1/x^{3} = 110$$

Question 87 : If A = 60°, what is the value of: ?

Difficulty : Moderate

Options :

1. 15



Average Time : 66 Seconds



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- 5
- 3.10
- 4.3

Solution :

The correct answer is option 4 i.e. 3

Calculations:

\(\dfrac{8\ cos A + 7\ sec A - tan^2A}{10sin\frac{A}{2}}\)

\(\dfrac{8\times\frac{1}{2} + 7 \times 2 - (\sqrt3)^2}{10 \times \frac{1}{2}}\)

 $(\frac{4 + 14 - 3}{5} = \frac{15}{5} = 3)$

Question 88:

The given bar chart represents the Television Sets (TV) manufactured (in thousand) and the respective percentage of those TV Sets sold by five different companies A, B, C, D and E in 2015. Study the chart carefully and answer the question that follows. What is the ratio of the number of TV sets sold by company A to that of company B in 2015?

Average Time : 56 Seconds

Difficulty : Moderate

Options:

- 1.5:6
- 2.5:4
- 3.4:5
- 4.6:5

Solution :

The correct answer is option 1 i.e. 5:6

Calculations:

The number of TV sets sold by company A = 75% of 64 = 48

The number of TV sets sold by company B = 64% of 90 = 57.6

Required ratio = 48 : 57.6

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= 5 : 6

Question 89:

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Exactly midway between the foot of two towers P and Q, the angles of elevation of their tops are 45° and 60°, respectively. The ratio of the heights of P and Q is:

Difficulty : Moderate

Options :

- 1.1:3
- 2. 3:1
- 3.1:3
- 4.3:1

Solution :

The correct answer is **option 1** i.e. **1 : 3**

Calculations:



Height of tower P = AB

Height of tower Q = EC

D is the midpoint of BE, BD = DE

In triangle ABD,

tan 45° = AB/BD

AB = BD

In triangle CED,

 $\tan 60^\circ = CE/DE$

CE = 3DE



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Average Time : 44 Seconds





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CE = 3BD (BD = DE)

Required ratio = Height of tower P : Height of tower Q

AB : EC = BD : 3BD

1:3

Question 90:

A boat can cover a distance of 56 km downstream in 3.5 hours. The ratio of the boat in still water and the speed of stream is 3 : 1. How much time (in hours) will the boat take to cover a distance of 41.6 km downstream?

Difficulty : Moderate	Average Time : 70 Seconds
Options : 1. 2.1	
2. 1.8	
3. 2.6	
4. 1.5	
Solution :	
The correct answer is option 3 i.e. 2.6	
Given:	
A boat can cover a distance of 56 km downstream in 3.5 hours	

Ratio of boat in still water to the speed of stream = 3 : 1

Formula used:

Speed = Distance/time

Calculations:

Speed of the boat downstream = 56/3.5 = 16 kmph

To cover the distance of 41.6 km downstream, time taken = 41.6/16 = 2.6 hours

Hence the time taken by the boat to cover 41.6 km downstream is 2.6 hours.

Question 91:

A circle is inscribed in a⁺+ABC, toucing AB, BC and AC are the points P, Q and R, respectively. If AB - BC = 4 cm, AB -AC = 2 cm, and the perimeter of $\hat{a}^{+}ABC = 32$ cm, then AC (in cm) = ?





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Difficulty : Moderate

Average Time : 58 Seconds

Options :

- 1. 35/3
- 2. 38/3
- 3. 32/3
- 4. 26/3

Solution :

The correct answer is option 3 i.e. 32/3

Calculations:





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The greatest number that divides 126, 224 and 608 leaving remainders 2, 7 and 19, respectively, is:

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Difficulty : Moderate

Average Time : 52 Seconds

Options :

- 1. 37
- 2. 27
- 3. 31
- 4. 21

Solution :

The correct answer is **option 3** i.e. **31**

Calculation:

We will calculate the HCF of (126 - 2), (224 - 7) and (608 - 19)

As we know that the greatest number that divides 126, 224 and 608 leaving remainders 2, 7 and 19, respectively.

HCF of 124, 217 and 589

31

Question 93 :

What is the amount (in Rs) of a sum of Rs 32,000 at 20% per annum for 9 months, compounded quarterly?

Difficulty : Moderate

Options :

- 1. 35087
- 2. 30876
- 3. 32000
- 4. 37044

Solution : The correct answer is option 4 i.e. 37044

Formula used:

 $A = P(1 + R/100)^{T}$ ----- (1)

Average Time : 42 Seconds



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Where, A = amount, P = principal, R = rate and T = time

Calculations:

When interest is compounded quarterly then

Rate = 20/4 = 5%

Time = $4 \times 9/12 = 3$

Using equation (1), we get

 $A = 32000(1 + 5/100)^3$

 $A = 32000 \times (21/20)^3$

A = 37044

Question 94 :

The given pie chart shows the percentage of students in five schools and the table shows the ratio of boys and girls in each school. Study the pie chart and table and answer the question that follows. The below table shows the ratio of girls and boys in the given five schools. What is the ratio of the number of boys in school C to the number of girls in school E?

Difficulty : Moderate

Options :

- 1.2:1
- 2. 3:4
- 3. 4:3
- 4. 1:2

Solution :

The correct answer is option 2 i.e. 3:4

Calculations:

Let the number of total students be 100x

Number of students in school C = 24% of 100x = 24x

Number of students in school E = 15% of 100x = 15x

Number of boys in school $C = 24x \times 3/8 = 9x$

Number of girls in school E = $15x \times 4/5 = 12x$

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Average Time : 65 Seconds



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Required ratio = 9x : 12x = 3 : 4

Question 95 :

A hemispherical depression of diameter 4 cm is cut out from each face of a cubical block of sides 10cm. Find the surface area of the remaining solid (in cm2). (Use =22/7)

Difficulty : Moderate

Options :

- 1. 900
- 2. 675 7
- 3. 112
- 4. 713

Solution :

The correct answer is **option 2** i.e. **675** $\overline{7}$

Given:

Each face of a cubical block of sides 10 cm

radius of hemispherical depression = 4 cm

Formula used:

Area of circle = r^2

Total surface area of cube = $6a^2$

Curved surface area of hemisphere = $2r^2$

Calculations:



According to the figure we have

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Average Time : 52 Seconds



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Required area = TSA of cube - $6 \times$ area of circle + $6 \times$ CSA of hemisphere

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 $6 \times 10^{2} - 6 \times r^{2} + 6 \times 2r^{2}$ $600 + 6 \times \times 2^{2}$ 600 + 75(3/7) = 675(3/7)

Question 96 :

A man, a woman and a boy can complete a work in 3, 4 and 12 days, respectively. How many boys must assist one man and one woman to complete the same work in one day?

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Difficulty : Moderate	Average Time : 84 Seconds		
Options :			
2.7			
3.4			
4. 5			
Solution :			
The correct answer is option 4 i.e. 5			
Formula used:			
Total work = Efficiency × time			
Calculations:			
Let the total work be 12 units (LCM of 3, 4 and 12)			
Efficiency of man = $12/3 = 4$ units			
Efficiency of woman = $12/4 = 3$ units			
Efficiency of boy = $12/12 = 1$ unit			
Total efficiency should be 12 units per day to complete the work in one day			
Efficiency of one man and one woman = $4 + 3 = 7$ units			

Remaining work = 12 - 7 = 5 units

Efficiency of boy = 1 units

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So total boys required = $5 \times 1 = 5$

Question 97 :

Two poles of heights 10 m and 17 m are fixed to a level ground. The distance between the bottom of the poles is 24 m. What is the distance (in m) between their tops?

Difficulty : Moderate

Options :

- 1. 24
- 2. 25
- 3. 30
- 4. 27

Solution :

The correct answer is **option 2** i.e. **25**

Formula used:

Pythagoras theorem, $(Hypotenuse)^2 = (Base)^2 + (Perpendicular)^2$ ----- (1)

Calculations:

Distance between the two poles is 24 m

Height of pole 1 = 10 m (AD)

Height of pole 2 = 17 m (BE)

Where, DE is the distance between their tops





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Average Time : 59 Seconds



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According to the question, In Triangle DCE use equation (1)

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 $DE^{2} = DC^{2} + EC^{2}$ $DE^{2} = 24^{2} + 7^{2}$ $DE^{2} = 576 + 49 = 625$ DE = 25

Question 98 :

A shopkeeper bought a table for Rs 4600 and a chair for Rs 1800. He sells the table with 10% gain and the chair with 6% gain. Find the overall gain percentage.

Difficulty : Moderate Average Time : 69 Seconds **Options** : 1.7 2.8 3. $8\frac{i}{8}$ 4.16 Solution : The correct answer is option 3 i.e. 8 i.e. Formula used : Selling price = Cost price + Profit Calculations: Cost price of table = Rs 4600 Cost price of chair = Rs 1800 Selling price of table = $4600 + 4600 \times 10/100$ = 5060 Selling price of chair = $1800 + 1800 \times 6/100$ = 1908Total selling price = 5060 + 1908 = 6968

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Total cost price = 4600 + 1800 = 6400

Required gain percent = (6968 - 6400)/6400 × 100

$$= 71/8 = 8\frac{7}{8}.$$

Question 99 :

The value of

Difficulty : Moderate

Options :

- 1. \({54\over 7}\)
- 2. \({64\over 7}\)
- 3. \({34\over 7}\)
- 4. \({44\over 7}\)

Solution :

The correct answer is option 2 i.e. 64/7

Formula used :

BODMAS rule used.

Calculations :

\(\Rightarrow \dfrac{46 + \dfrac{3}{4} \times 32 - 6}{37 - \dfrac{3}{4}\times 40}\)

\(\Rightarrow \dfrac{46 + 24 - 6}{37 - 30}\)

\(\Rightarrow \dfrac{64}{7}\)

Hence the value of $\frac{46 + \frac{3}{4}of \ 32 - 6}{37 - \frac{3}{4}of(34 + 6)}$ is \(\dfrac{64}{7}\).

Question 100 :

Study the given histogram and answer the question that follows. What is the difference between the total number of workers whose daily wages are less than Rs 450 and the total number of workers whose daily wages are Rs 650 and above?

Difficulty : Moderate

Average Time : 63 Seconds

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Options :

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- 4
- 2.10
- 3.5
- 4.8

Solution : The correct answer is option 3 i.e. 5

Calculations:

The total number of workers whose daily wages are less than Rs 450 = 30

The total number of workers whose daily wages are Rs 650 and above = 35

Required difference = 35 - 30 = 5

Ssc Cgl Tier I Previous Year Question Paper **Analysis**

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-18 in the Morning exam is as follows:

- 1. 100 guestions were moderate.
- 2. The safe score is 140 marks.
- 3. 25 questions were asked from Logical Reasoning, 25 questions were asked from English Language, 25 questions were asked from Quantitative Aptitude and 25 questions were asked from General Awareness
- 4. 15 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 3
- 2. Analogy 2
- 3. Classification 1
- 4. Blood Relations 1
- 5. Syllogism 1
- 6. Venn Diagrams 1



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- Dictionary Based 1
- 8. Figure Based 2
- 9. Matrix 1
- 10. Series 4
- 11. Mathematical Reasoning 2
- 12. Cubes And Dice 2
- 13. Seating Arrangement And Puzzle 4

English Language

- 1. Grammar 1
- 2. Spotting Error 1
- 3. Parajumbles 1
- 4. Idioms 2
- 5. One Word Substitution 2
- 6. Voice 2
- 7. Sentence Improvement 4
- 8. Synonym 1
- 9. Filler (Grammar) 6
- 10. Incorrectly Spelt 5
- 11. Incorrectly Spelt 5

Quantitative Aptitude

- 1. Simplification 1
- 2. Data Interpretation 3
- 3. Time And Work 1
- 4. Time Speed And Distance 1
- 5. Trigonometry 1
- 6. Number System 1
- 7. Profit And Loss 1
- 8. Comparison Of Quantities 16

General Awareness

1. Art And Culture - 25

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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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Answer Key **Important Days**

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