



# 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 2020-03-09 in the Afternoon exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

### Question 1 :

A man wanted to sell his bat at a discount of 8%. His brother who was a cricketer wanted to buy the bat, so the man sells it at a discount of 10%. In this deal, the man reduce Rs.70 in profit. What was the market value of the bat?

Difficulty : Moderate

Average Time : 51 Seconds

### Options :

1. Rs.3,000
2. Rs.3,500
3. Rs.2,500
4. Rs.3,200

### Solution :

The correct answer is **option 2** i.e **Rs.3,500**

Let the market value of bat be  $100x$ .

When he gives an 8% discount the price =  $92x$

When he gives a 10% discount the price =  $90x$

Difference  $92x - 90x = 70$

$2x = 70$

$x = 35$



The market price (100x) =  $100 \times 35$

Rs.3500

**Question 2 :**

The following table shows the imports and exports (in Rs crore) of a country over 4 years (2016 to 2019). Years 2016 2017 2018 2019 Imports 125 145 165 188 Exports 130 150 175 200 The average trade balance (in Rs crores) is:

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1. 12
2. 6
3. 4
4. 8

**Solution :**

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

Trade balance in 2016 =  $130 - 125 = 5$

Trade balance in 2017 =  $150 - 145 = 5$

Trade balance in 2018 =  $175 - 165 = 10$

Trade balance in 2019 =  $200 - 188 = 12$

Average of trade balance =  $(5 + 5 + 10 + 12) / 4$

$32 / 4 = 8$

**Question 3 :**

A shopkeeper buys two books for Rs.300. He sells the first book at a profit of 20% and the second book at a loss of 10%. What is the selling price of the first book, if, in the whole transaction there is no profit no loss?

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1. Rs.110
2. Rs.115
3. Rs.120



Rs.125

**Solution :**

The correct answer is **option 3** i.e **Rs.120**

Let the cost price of the first book in the transaction be Rs.y, then the cost price of the second book becomes Rs. (300 - y).

He sells the first book at 20% profit, then the selling price = 1.2y

He sells the second book at a 10% loss, then the selling price = 0.9(300 - y)

$$270 - 0.9y$$

$$\text{Total selling price } 1.2y + 270 - 0.9y = 300$$

$$0.3y + 270 = 300$$

$$0.3y = 30$$

$$y = \text{Rs.100}$$

$$\text{Selling price of the first book} = 1.2y = 1.2(100)$$

$$\text{Rs.120}$$

**Question 4 :**

The average of 4 terms is 30 and the 1st term is  $\frac{1}{3}$  of the sum of the remaining terms. What is the first term?

Difficulty : Moderate

Average Time : 60 Seconds

**Options :**

1. 20

2. 60

3. 40

4. 30

**Solution :**

The correct answer is **option 4** i.e **30**

Let the first term be x, then the sum of the rest of the three terms is 3x.

Average = Sum of observations / Number of observations

$$30 = (x + 3x) / 4$$



$$120 = 4x$$

$$x = 30$$

**Question 5 :**

Study the following table and answer the question. Expenditures of a company (in lakh rupees) per annum over the given years. Year Items of Expenditure for the company Salary Fuel and Transport Bonus Interest on Loans Taxes 2014 284 98 3.00 23.4 74 2015 342 112 2.52 32.5 98 2016 314 101 3.84 41.4 83 2017 346 134 3.68 36.6 88 2018 425 141 3.96 40.4 108 Total expenditure on all the items in 2014 was approximately what percent of the total expenditure in 2018?

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1. 65.32%
2. 66.32%
3. 68.32%
4. 60.32%

**Solution :**

The correct answer is **option 2** i.e **66.32%**

Total expenditure on all the items in 2014 = 284 + 98 + 3 + 23.4 + 74

482.4

Total expenditure on all the items in 2018 = 425 + 141 + 3.96 + 49.4 + 108

727.36

$(482.4 / 727.36) \times 100$

66.32%

**Question 6 :**

If 5 divided the integer n, the remainder is 2. What will be the remainder if 7n is divided by 5?

Difficulty : Moderate

Average Time : 41 Seconds

**Options :**

1. 2
2. 1

3

4. 4

**Solution :**

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

5 divided the integer  $n$ , the remainder is 2 then the number would be a form of  $5k + 2$ .

$$n = 5k + 2$$

$$7n = 35k + 14$$

When  $7n$  is divided by 5

$$14 / 5 = 4$$

**Question 7 :**

Arrange the following words in a logical and meaningful order. 1. Casting 2. Acting 3. Film Shooting 4. Final film 5. Editing

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

1. 4, 3, 5, 1, 2

2. 1, 2, 3, 5, 4

3. 3, 2, 1, 4, 5

4. 3, 1, 2, 5, 4

**Solution :**

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

Understanding



In this question, you need to arrange the words in a logical and meaningful order.

So the arrangement is;

1. Casting
2. Acting
3. Film Shooting
4. Editing
5. Final film

**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: 1. No garden is a park. 2. Some gardens are schools. Conclusions: I. No park is a garden. II. Some schools are gardens. III. Some parks are gardens.

Difficulty : Moderate

Average Time : 63 Seconds

**Options :**

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

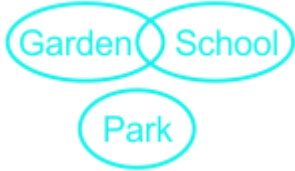
**Solution :**

The correct answer is **option 3** i.e **Only conclusion I and II follow.**

Understanding



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

**Conclusions:**

- I. No park is a garden **True** (As Garden and Park have relationship of No with each other).
- II. Some schools are gardens **True** (As some gardens are schools is given, so some schools are garden is true).
- III. Some parks are gardens **False** (This is definitely false, as both have negative relationship of No with each other).

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

**Question 9 :**

In which state is the festival of Uttarayan uniquely celebrated?

Difficulty : Moderate

Average Time : 79 Seconds

**Options :**

1. Uttar Pradesh
2. Gujarat
3. Jharkhand
4. Kerala

**Solution :**

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

- The International Kite Festival (Uttarayan) is regarded as one of the biggest festivals celebrated in Gujarat.
- The festival takes place on 14 January of each year during the Makar Sankranti and continues until 15 January.

**Question 10 :**

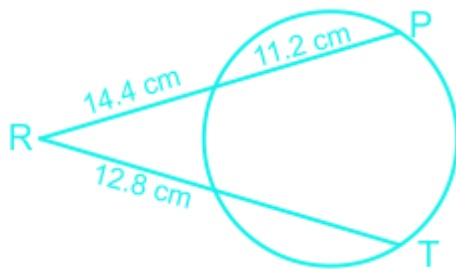
In a circle, chords PQ and TS are produced to meet at R. if RQ = 14.4 cm, PQ = 11.2 cm, and SR = 12.8 cm, then the length of chord TS is:

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

1. 16 cm
2. 18 cm
3. 12.4 cm
4. 14.2 cm

**Solution :**

The correct answer is **option 1** i.e **16 cm**

**Application**

By the secant theorem:

$$QR \times PR = RS \times RT$$

$$14.4 \times (14.4 + 11.2) = 12.8 \times (12.8 + ST)$$

$$28.8 = 12.8 + ST$$

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

**Question 11 :**

Find the height of a cuboid whose volume is 330 cm<sup>3</sup> and the base area is 15 cm<sup>2</sup>.

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



24 cm

2. 21 cm

3. 22 cm

4. 19 cm

**Solution :**

The correct answer is **option 3** i.e **22 cm**

The volume of cuboid =  $l \times b \times h$

$$A = l \times b$$

$$V = A \times h$$

$$330 = 15 \times h$$

$$h = 22 \text{ cm}$$

**Question 12 :**

In a certain code language, 'SPECIAL' is coded as '20176410213'. How will 'MACHINE' be coded as in that language?

**Difficulty : Moderate**

**Average Time : 45 Seconds**

**Options :**

1. 1424910156

2. 1524910146

3. 1424901056

4. 1324810155

**Solution :**

The correct answer is **option 1** i.e **1424910156**.

Understanding	Application
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The logic used here is: 'SPECIAL' is coded as '20176410213'  S + 1 = 20 P + 1 = 17 E + 1 = 6 C + 1 = 4 I + 1 = 10 A + 1 = 2 L + 1 = 13	Similarly, <b>Code for the word MACHINE:</b> <b>M + 1 = 14</b> <b>A + 1 = 2</b> <b>C + 1 = 4</b> <b>H + 1 = 9</b> <b>I + 1 = 10</b> <b>N + 1 = 15</b> <b>E + 1 = 6</b>  Hence, option 1 is the correct answer.
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**Question 13 :**

Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.

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

1. 39: 270
2. 21: 154
3. 37: 256
4. 31: 214

**Solution :**

The correct answer is **option 2** i.e **21: 154**.

**Understanding**



The logic used here is:

$$\text{2nd number} = (\text{1st number} \times 7) - 3$$

Option 1: 39: 270

$$(39 \times 7) - 3 = 273 - 3 = 270$$

**Option 2: 21: 154**

$$(21 \times 7) - 3 = 147 - 3 = 144$$

**Option 2 does not follow the pattern.**

Option 3: 37: 256

$$(37 \times 7) - 3 = 259 - 3 = 256$$

Option 4: 31: 214

$$(31 \times 7) - 3 = 217 - 3 = 214$$

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

**Question 14 :**

Arrange the angles of the triangle from smallest to largest, where the sides are AB = 7 cm, AC = 8 cm, BC = 9 cm.

Difficulty : Moderate

Average Time : 59 Seconds

**Options :**

1. A,B,C
2. C,B,D
3. C,B,A
4. B,A,C

**Solution :**

The correct answer is **option 3** i.e **C,B,A**

Understanding	Application
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In the triangle, the largest side and the largest angle are opposite to each other, and so on.

AB AC BC

C B A

**Question 15 :**

The following table shows the production of fertilizers (in lakh tone) by six companies for 5 months (January to May).  
Month Company I II III IV V VI  
January 327 180 185 137 145 120  
February 326 179 187 162 146 122  
March 320 160 188 173 135 130  
April 318 167 177 180 140 130  
May 310 150 169 178 140 128  
There a continuous decrease in production over the months in:

Difficulty : Moderate

Average Time : 64 Seconds

**Options :**

1. Company III
2. Company II
3. Company IV
4. Company I

**Solution :**

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

By looking at the tabular data we can interpret that in Company II, III, IV, V, VI there is an increase from January to February. So, company I is the correct answer.

**Question 16 :**

In a certain code language, 'FIXATION' is written as 'AXIFNOIT'. How will 'GLYCERIN' be written as in that language?

Difficulty : Moderate

Average Time : 45 Seconds

**Options :**

1. LGZDGINR
2. CYLGNIRE
3. NIRECYLG
4. YLGECRNI

**Solution :**

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

Understanding	Application
<p>'FIXATION' is written as 'AXIFNOIT':</p>	<p>Similarly, for GLYCERINE:</p>

**Question 17 :**

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

Difficulty : Moderate

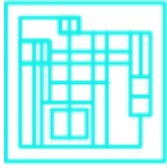
Average Time : 56 Seconds

Options :

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

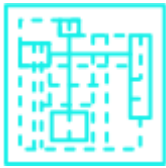
**Solution :**

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



### Understanding

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



### Question 18 :

Select the correct mirror image of the given letter-cluster when a vertical mirror is placed on then right side of the cluster.

Difficulty : Moderate

Average Time : 72 Seconds

### Options :

1. Mothers—Lady—Uncles  
Constables
2. Mothers—Lady—Uncles  
Constables
3. Mothers—Lady—Uncles  
Constables
4. Mothers—Lady—Uncles  
Constables

### Solution :

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



### Understanding

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.

**Question 19 :**

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement. I was sitting at home doing nothing when I had heard that song again.

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

1. heard
2. No improvement
3. hears
4. has heard

**Solution :**

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

- "**When**" is used to show the coinciding of two tenses hence, we need to keep the tense of both the statement the same.
- The first statement is in **simple past** hence, the second statement will also be in the **simple past** tense.
- The chosen option follows the given rule hence, it will **IMPROVE** the statement correctly.

**Correct Sentence:-**

*I was sitting at home doing nothing when I heard that song again.*

**Question 20 :**

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement. One evening, when my father was coming home from work, I played in the front garden.



Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. was playing
2. No improvement
3. play
4. am playing

Solution :

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

- "**When**" is used to show the coinciding of two tenses hence, we need to keep the tense of both the statement the same.
- The first statement is in **past continuous** hence, the second statement will also be in the **past continuous** tense.
- The chosen option follows the given rule hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

One evening, when my father was coming home from work, I **was playing** in the front garden.

Question 21 :

Select the SYNONYM of the given word. ABORT

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Continue
2. Hate
3. Begin
4. End

Solution :

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

Let's have a look at the meaning of the given options:-

1. **Abort**- to end something before it is complete.
2. **Continue**- to keep happening or existing without stopping.
3. **Hate**- to have a very strong feeling of not liking somebody/something at all.





**Begin-** to start doing something; to do the first part of something.

5. **End-** the furthest or last part of something; the place or time where something stops.

**As the chosen option expresses the best meaning of the given word it will be the correct answer.**

**Question 22 :**

Select the correct indirect form of the given sentence. "What are you going to call the puppy, Jane?" the boy asked.

**Difficulty : Moderate**

**Average Time : 66 Seconds**

**Options :**

1. The boy wondered what Jane were going to call the puppy.
2. The boy told Jane what she was going to call her puppy.
3. The boy asked Jane what she was going to call the puppy.
4. Jane asked the boy what is he going to call the puppy.

**Solution :**

The correct answer is option 3 i.e. **The boy asked Jane what she was going to call the puppy.**

- As the reported speech is in "**Interrogative sentence**" we need to make changes according to this.
- There will be a change in the reporting verb and it will be changed into "**Asked**".
- The inverted comma will be changed into "**What**".
- The tense of the reported verb will be changed into "**Past Continuous Tense**".
- The reported speech will be kept in an assertive structure (**subject + verb**).

**As all the rules are followed by the chosen option it will be correct.**

**Question 23 :**

Select the word which means the same as the group of words given. Having something more than required

**Difficulty : Moderate**

**Average Time : 76 Seconds**

**Options :**

1. Surplus
2. Surrogate
3. Surroundings
4. Surcharge

**Solution :**

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

**Let's have a look at the meaning of the given options:-**

1. **Surplus**- an amount that is extra or more than you need.
2. **Surrogate**- (a person or thing) that takes the place of somebody/something else.
3. **Surroundings**- everything that is near or around you; the place where you live.
4. **Surcharge**- an extra amount of money that you have to pay for something.

**As the chosen option expresses the meaning of the given group of words it will be the correct answer.**

**Question 24 :**

Given below are four jumbled sentences. Select the option that gives their correct order. A. They also visit ailing friends and relatives, or attend to personal matters even during office hours. B. Once in office, they receive friends and relatives who call them any time without prior appointment. C. We can frequently find a large number of people sitting here and there and doing nothing. D. Even those who are employed often come late to office and leave early unless they are forced to be punctual.

**Difficulty : Moderate**

**Average Time : 80 Seconds**

**Options :**

1. DCAB
2. ABCD
3. ACDB
4. CDBA

**Solution :**

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

- **Statement C** is independent and defines the theme of the paragraph hence, it will be the opening statement.
- **Statement D** acts as a piece of complementary information to the statement **C** hence, it will come after C.
- **Statement B and A** will come together as they make a correct sequence of action.
- Now we have the final arrangement i.e. **CDBA**.

**The chosen option is the same as the final arrangement hence, it will be correct.**

**Some common rules that help while solving the Para Jumbles:-**

1. Read the paragraph **carefully** and try to **comprehend the paragraph's idea or theme** and **eliminate the irrelevant options**.
2. Try to identify the opening (**Independent statement**) and closing statement (**Concluding statement**).



Try to **identify** the **mandatory pairs**. Two sentences can be connected through various connectors.

4. If a statement starts with **Pronoun**, find **the noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

**Question 25 :**

In the sentence identify the segment which contains the grammatical error. We must get this post send as soon as possible.

Difficulty : Moderate

Average Time : 94 Seconds

**Options :**

1. We must get
2. soon as possible
3. this post
4. send as

**Solution :**

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

1. The error lies in **option 4** because of the wrong use of "**Verb form**".
2. We need to replace "**Send**" with "**Sent**" for making the statement grammatically correct.

**Grammatical concept:-**

- "**Get**" is followed by the "**Past Participle**" form of the verb.
- The chosen option contains the **ERROR** hence, it will be the correct choice.

**Correct Sentence:-**

We must get this post **sent as** soon as possible.

**Comprehension :**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In a way, adult education is an educational movement through the medium

(1)\_\_\_\_\_ village schools. In the beginning, the (2)\_\_\_\_\_ were suspicious. It was hard to persuade (3)\_\_\_\_\_ to realise that they were really getting something (4)\_\_\_\_\_ the schools. They were not at all sure that they wanted their (5)\_\_\_\_\_ to leave their homes.

**Question 26 :**

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

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. from
2. by
3. of
4. in

Solution :

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

- "Medium **of** a village school" will be the correct use of the preposition here.

Hence, the chosen option will be correct.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In a way, adult education is an educational movement through the medium (1)\_\_\_\_\_ village schools. In the beginning, the (2)\_\_\_\_\_ were suspicious. It was hard to persuade (3)\_\_\_\_\_ to realise that they were really getting something (4)\_\_\_\_\_ the schools. They were not at all sure that they wanted their (5)\_\_\_\_\_ to leave their homes.

Question 27 :

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

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. politicians
2. villagers
3. children
4. officers

Solution :

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

Let's have a look at the meaning of the given options:-

1. **politicians**- a person whose job is in politics, especially one who is a member of parliament or of the government.

**villagers-** a person who lives in a village.

3. **children-** a young boy or girl who is not yet an adult.

4. **officers-** one charged with administering or enforcing the law a police officer.

The paragraph is centered around a village hence, "**Villagers**" will be the correct choice here.

**Hence, the chosen option will be correct.**

### Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In a way, adult education is an educational movement through the medium (1)\_\_\_\_\_ village schools. In the beginning, the (2)\_\_\_\_\_ were suspicious. It was hard to persuade (3)\_\_\_\_\_ to realise that they were really getting something (4)\_\_\_\_\_ the schools. They were not at all sure that they wanted their (5)\_\_\_\_\_ to leave their homes.

### Question 28 :

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

Difficulty : Moderate

Average Time : 84 Seconds

### Options :

1. him
2. us
3. them
4. they

### Solution :

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

- The noun is "**Villagers**" which is plural hence, "**They**" will be the correct pronoun here.
- A verb is followed by an objective case hence, "**Them**" will be the correct choice here.

**Hence, the chosen option will be correct.**

### Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In a way, adult education is an educational movement through the medium (1)\_\_\_\_\_ village schools. In the beginning, the (2)\_\_\_\_\_ were suspicious. It was hard to persuade (3)\_\_\_\_\_ to realise that they were really getting something (4)\_\_\_\_\_ the schools. They were not at all sure that they wanted their (5)\_\_\_\_\_ to leave their homes.

### Question 29 :



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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. by
2. for
3. from
4. to

Solution :

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

- "**Getting something from the schools**" makes a meaningful phrase here.

Hence, the chosen option will be correct.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In a way, adult education is an educational movement through the medium (1)\_\_\_\_\_ village schools. In the beginning, the (2)\_\_\_\_\_ were suspicious. It was hard to persuade (3)\_\_\_\_\_ to realise that they were really getting something (4)\_\_\_\_\_ the schools. They were not at all sure that they wanted their (5)\_\_\_\_\_ to leave their homes.

Question 30 :

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

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. villagers
2. children
3. teachers
4. parents

Solution :

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

Let's have a look at the meaning of the given options:-

**villagers-** a person who lives in a village.

- **children-** a young boy or girl who is not yet an adult.
- **teachers-** a person whose job is to teach, especially in a school or college.
- **parents-** a person's mother or father.

"**They**" refers to villagers hence, "**Their children**" will be the correct choice here.

Hence, the chosen option will be correct.

### Question 31 :

In the sentence identify the segment which contains the grammatical error. Sita has no taste in classical dance.

Difficulty : Moderate

Average Time : 62 Seconds

### Options :

1. classical dance
2. classical dance
3. no taste
4. in

### Solution :

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

1. The error lies in **option 4** because of the wrong use of "**Preposition**".
2. We need to replace "**In**" with "**For**" for making the statement grammatically correct.

### Grammatical concept:-

- "**Taste for**"- what a person likes or prefers.
- The meaning of the given phrase suits the statement hence, it will be correct.
- The chosen option contains the **ERROR** hence, it will be the correct choice.

### Correct Sentence:-

Sita has no taste **for** classical dance.

### Question 32 :

Select the correct passive form of the given sentence. The commander ordered his soldiers to move forward and attack the enemy camps.

Difficulty : Moderate

Average Time : 68 Seconds

### Options :

- The commander ordered his soldiers to be moved forward and attacked the enemy camps.
- The soldiers were ordered by their commander to move forward and attack the enemy camps.
  - His soldiers were ordered by the commander to be moved forward and attacked the enemy camps.
  - The commander was ordered by his soldiers to move forward and attack the enemy camps.

**Solution :**

The correct answer is option 2 i.e. **The soldiers were ordered by their commander to move forward and attack the enemy camps.**

**Active voice-** Subject + v2 + object + other words.

**Passive voice-** Object + was/were + v3 + by + subject + other words.

**As the chosen option follows this rule it will be the correct answer.**

**Question 33 :**

Select the most appropriate meaning of the following idiom. The acid test

**Difficulty : Moderate**

**Average Time : 60 Seconds**

**Options :**

- Throwing acid on someone's face
- A critical situation or crisis
- A fact, event or situation that proves something
- An unpleasant or offensive test

**Solution :**

The correct answer is option 3 i.e. **A fact, event or situation that proves something.**

The meaning of the given idiom is-

**The acid test-** a way of testing if something is successful, true or good enough.

**As the meaning of the given idiom is the same as the chosen option it will be correct.**

**Question 34 :**

Given below are four jumbled sentences. Select the option that gives their correct order. A. Accommodation and food were given free. B. This was held in a hostel for poor students built by a philanthropist. C. A few years ago, I was the chief guest at a small function. D. But the inmates of the hostel had to bear other expenses like clothing and toiletries.



Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. CBAD
2. BCAD
3. BCDA
4. ABCD

Solution :

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

- **Statement C** is independent hence, it will be the opening statement.
- **Statement B** talks about the function hence, it will come after C.
- **Statement A and D** make a correct sequence hence, they will come respectively.
- Now we have the final arrangement i.e. **CBAD**.

The chosen option is the same as the final arrangement hence, it will be correct.

**Some common rules that help while solving the Para Jumbles:-**

1. Read the paragraph **carefully** and try to **comprehend the paragraph's idea or theme** and **eliminate the irrelevant options**.
2. Try to identify the opening (**Independent statement**) and closing statement (**Concluding statement**).
3. Try to **identify the mandatory pairs**. Two sentences can be connected through various connectors.
4. If a statement starts with **Pronoun**, find **the noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

Question 35 :

Select the most appropriate option to fill in the blank. My cousin's study on the reading habits of school children across three states has been recognised as a \_\_\_\_\_ piece of research.

Difficulty : Moderate

Average Time : 92 Seconds

Options :

1. negligent
2. proud
3. useless



pioneering

**Solution :**

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

**Let's have a look at the meaning of the given options:-**

1. **pioneering**- a person who is among the first to study or develop something.
2. **negligent**- failure to give enough care or attention to someone or something that you are responsible for.
3. **proud**- feeling pleased and satisfied about something that you own or have done.
4. **useless**- that does not work well, that does not achieve anything.

The statement and chosen option both talk about "**Study**" hence, the chosen option will suit the given blank.

Hence, the chosen option will be correct.

**Correct Sentence:-**

*My cousin's study on the reading habits of school children across three states has been recognised as a pioneering piece of research.*

**Question 36 :**

Select the ANTONYM of the given word. MELLOW

Difficulty : Moderate

Average Time : 75 Seconds

**Options :**

1. Shiny
2. Medium
3. Hard
4. Soft

**Solution :**

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

**Let's have a look at the meaning of the given options:-**

1. **Mellow**- (used about colours or sounds) soft and pleasant.
2. **Shiny**- causing a bright effect when in the sun or in light.
3. **Medium**- in the middle between two sizes, lengths, temperatures, etc.; average.
4. **Hard**- not soft to touch; not easy to break or bend.
5. **Soft**- not hard or firm.



As the chosen option expresses the opposite meaning of the given word it will be the correct answer.

**Question 37 :**

Select the most appropriate meaning of the following idiom. Blind alley

Difficulty : Moderate

Average Time : 61 Seconds

**Options :**

1. A situation in which no further progress can be made
2. A person who comes to meet occasionally
3. Taking first step after somebody's approach
4. A state of deep thought

**Solution :**

The correct answer is option 1 i.e. **A situation in which no further progress can be made.**

The meaning of the given idiom is-

**Blind alley-** A dead-end; a position without hope of progress or success.

As the meaning of the given idiom is the same as the chosen option it will be correct.

**Question 38 :**

Select the ANTONYM of the given word. EMERGE

Difficulty : Moderate

Average Time : 51 Seconds

**Options :**

1. Announce
2. Appear
3. Disappear
4. Surface

**Solution :**

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

Let's have a look at the meaning of the given options:-

1. **Emerge-** to appear or come out from somewhere.
2. **Announce-** to make something known publicly and officially.



**Appear-** to suddenly be seen; to come into sight.

4. **Disappear-** to become impossible to see or to find.

5. **Surface-** the outside part of something.

**As the chosen option expresses the opposite meaning of the given word it will be the correct answer.**

### Question 39 :

Select the most appropriate option to fill in the blank. Suzerainty is having political control over a \_\_\_\_\_ state.

Difficulty : Moderate

Average Time : 61 Seconds

### Options :

1. unified
2. democratic
3. backward
4. dependent

### Solution :

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

### Let's have a look at the meaning of the given options:-

1. **dependent-** needing somebody/something to support you.
2. **unified-** to join separate parts together to make one unit, or to make them similar to each other.
3. **democratic-** based on the system of democracy.
4. **backward-** directed towards the back.

"Control" can be on "**dependent**" hence, the chosen option will suit the given blank.

**Hence, the chosen option will be correct.**

### Correct Sentence:-

*Suzerainty is having political control over a **dependent** state.*

### Question 40 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 65 Seconds

### Options :

1. Shining



Beginning

3. Soldier

4. Guidance

### Solution :

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

### Let's have a look at the meaning of the given options:-

1. **Shining**- to send out or to send back (reflect) light; to be bright.
2. **Beginning**- the first part of something; the time when or the place where something starts.
3. **Soldier**- a member of an army.
4. **Guidance**- help or advice.

The chosen option is incorrectly spelt hence, it will be the correct answer.

### Question 41 :

Select the SYNONYM of the given word. EXCEED

Difficulty : Moderate

Average Time : 55 Seconds

### Options :

1. Decrease
2. Improve
3. Decline
4. Surpass

### Solution :

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

### Let's have a look at the meaning of the given options:-

1. **Exceed**- to be more than a particular number or amount.
2. **Decrease**- to become or to make something smaller or less.
3. **Improve**- to become or to make something better.
4. **Decline**- to become weaker, smaller or less good.
5. **Surpass**- to do something better than somebody/something else or better than expected.

As the chosen option expresses the best meaning of the given word it will be the correct answer.

### Question 42 :



Select the word which means the same as the group of words given. Anger about an unfair situation or about someone's unfair behaviour

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Induction
2. Indigenisation
3. Indulgence
4. Indignation

Solution :

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

Let's have a look at the meaning of the given options:-

1. **Induction**- the process of introducing somebody to a new job, skill, organization, etc.; an event at which this takes place.
2. **Indigenisation**- the action or process of bringing something under the control, dominance, or influence of the people native to an area.
3. **Indulgence**- the state of having or doing whatever you want.
4. **Indignation**- shock and anger.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Question 43 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Guarantee
2. Athelete
3. Convenience
4. Dilemma

Solution :

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

Let's have a look at the meaning of the given options:-

1. **Guarantee**- a firm promise that something will be done or that something will happen.
2. **Athlete**- a person who can run, jump, etc. very well, especially one who takes part in sports competitions, etc.
3. **Convenience**- the quality of being easy, useful or suitable for somebody.
4. **Dilemma**- a situation in which you have to make a difficult choice between two or more things.

The chosen option is incorrectly spelt hence, it will be the correct answer.

**Question 44 :**

How many triangles are there in the given figure?

Difficulty : Moderate

Average Time : 61 Seconds

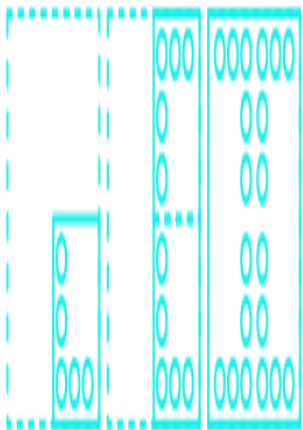
**Options :**

1. 14
2. 13
3. 15
4. 12

**Solution :**

The correct answer is **option 2** i.e 13.

**Understanding**



13 triangles: ABC, CEF, CFG, ADG, HKI, HKL, KLM, KIM, HLM, HIM, HLI, LMI, CEG.

**Question 45 :**

A - B Means 'A is the sister of B'; A × B means 'A IS the husband of B'; A ÷ B means 'A is the son of B'; IF, Y × M – T – Z ÷ L × U, then how is U related to Y?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Mother-in-law
2. Mother
3. Father-in-law
4. Father

Solution :

The correct answer is **option 1** i.e **Mother-in-law**.

Understanding	Application
<p>In the diagram shown;</p> <p>Square shows males, the circle shows females, vertical lines show generations, single horizontal line shows brother or sisters and double lines show a couple.</p>	<p>Thus considering the figure, U is the mother-in-law of Y.</p> <p>Considering all the four options the most appropriate is option 1.</p>

Question 46 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

- 1.



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

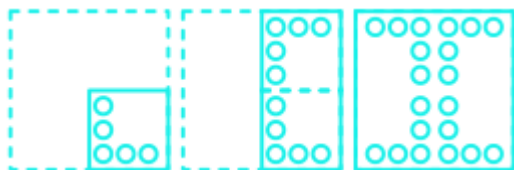


**Solution :**

The correct answer is **option 1**

**Understanding**

After unfolding, the paper will appear as follows:



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

**Question 47 :**

What day of the week was 29 June 2010?





Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Tuesday
2. Wednesday
3. Monday
4. Sunday

Solution :

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

#### Understanding

29th June, 2010 = (2001-2009 years +  
Number of days from 1.1.2010 to 28.6.2010

Odd days in 1600 years = 0

Odd days in 400 years = 0

9 years = (2 leap years + 7 ordinary years) =  
(2 x 2 + 7 x 1) = 11 days 4 odd days

Jan + Feb + March + April + May + June

(31 + 28 + 31 + 30 + 31 + 29) =  
180 days

Therefore, 180 days = (25 weeks + 5 days)  
5 odd days

Total number of odd days = (0 + 0 + 4 + 5) =  
9 9 days 1 week + 2 odd days.

Thus, the day is Tuesday.

**Question 48 :**

Select the option that is related to the third number in the same way as the second number is related to the first number. 3: 51:: 7:?

Difficulty : Moderate

Average Time : 69 Seconds

**Options :**

1. 335
2. 319
3. 609
4. 679

**Solution :**

The correct answer is **option 4** i.e **679**.

Understanding	Application
The logic used here is:  3: 51 $3^3 \times 2 - 3 = 54 - 3 = 51$	Similarly,  <b>7:?</b> $7^3 \times 2 - 7 = 686 - 7 = 679$  Hence, option 4 is the correct answer.

**Question 49 :**

'Photoshop' is related to 'Software' in the same way as 'Optical Mouse' is related to '\_\_\_\_\_'.  
  
Average Time : 54 Seconds

**Difficulty : Moderate****Options :**

1. Malware
2. Touch-screen
3. Hardware
4. Hard-disc

**Solution :**

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

Understanding	Application
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Photoshop is a type of software used to edit photos.	Similarly, <b>An optical mouse is a hardware part of the computer.</b> Hence, option 3 is the correct answer.
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**Question 50 :**

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

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

1. GT
2. LO
3. AZ
4. KN

**Solution :**

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

**Understanding**

The logic used here is:

The Sum of letters in each letter cluster is 27.

Option 1: GT = 7 + 20 = 27

Option 2: LO = 12 + 15 = 27

Option 3: AZ = 1 + 26 = 27

**Option 4: KN = 11 + 14 = 25**

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

**Question 51 :**

Select the option in which the words share the same relationship as that shared by the given pair of words. Taj Mahal :



Agra

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Golden temple : Amritsar
2. Qutub Minar : Hyderabad
3. Jama Masjid : Mumbai
4. Gateway of India : Delhi

Solution :

The correct answer is **option 1** i.e **Golden temple : Amritsar**

Understanding	Application
Taj Mahal is in Agra.	Similarly, <b>Golden Temple is in Amritsar.</b> Hence, option 1 is the correct answer.

**Question 52 :**

Select the option in which the words share the same relationship as that shared by the given pair of words. Temple: Worship

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Golden temple Amritsar
2. Garden: Plants
3. University: President
4. Church: Prayer

Solution :

The correct answer is **option 4** i.e **Church: Prayer.**

Understanding	Application
Temple is a place to worship.	Similarly, <b>Prayers are offered in Church.</b>  Hence, option 4 is the correct answer.

**Question 53 :**

Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

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

1. Diabetes
2. Cancer
3. Asthma
4. Bone Marrow

**Solution :**

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

Understanding
Diabetes, Cancer, Asthma are types of diseases whereas Bone Marrow is the tissue inside hip and thigh bones.

**Question 54 :**

Select the dice that can be formed by folding the given sheet along the lines.

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

1. Only B and D
2. Only A

Only A and B

4. Only A, B and C

**Solution :**

The correct answer is **option 3** i.e **Only A and B**.

Understanding
After folding the sheet along the lines; 3 is opposite to 5 2 is opposite to 6 1 is opposite to 4 From the dice C, 1 is not opposite to 4. From the dice D, 2 is not opposite to 6. Only dice A and B can be formed by folding the sheet. Hence, <b>option 3</b> is the correct answer.

**Question 55 :**

Select the option in which the numbers are related in the same way as are the numbers in the given set. (22, 64, 352)

**Difficulty :** Moderate

**Average Time :** 66 Seconds

**Options :**

1. (24, 16, 108)

2. (19, 52, 257)

3. (14, 68, 238)

4. (27, 52, 453)

**Solution :**

The correct answer is **option 3** i.e (14, 68, 238).

Understanding	Application
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<p>The logic used here is:</p> <p>3rd number = (1st number × 2nd number) ÷ 4</p> <p>(22, 64, 352)</p> <p><math>(22 \times 64) \div 4 = 1408 \div 4 = 352</math></p>	<p>Similarly,</p> <p><b>(14, 68, 238)</b></p> <p><math>(14 \times 68) \div 4 = 952 \div 4 = 238</math></p> <p>Hence, option 3 is the correct answer.</p>
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**Question 56 :**

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

Difficulty : Moderate

Average Time : 53 Seconds

**Options :**

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

**Solution :**

The correct answer is **option 2**

Understanding



Figure at the top left is moving to the centre,  
Figure at the centre is moving to the top right,  
Figure at the top right is moving to the bottom right,  
Figure at the bottom right is moving to the bottom left,  
Figure at the bottom left gets and changed and moves to the top left.

**Question 57 :**

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 15 18 ? 8 9 12 161 243 432

Difficulty : Moderate

Average Time : 75 Seconds

**Options :**

1. 26
2. 22
3. 24
4. 20

**Solution :**

The correct answer is **option 3** i.e **24**.

Understanding	Application
The logic used here is: Column 1: $15^2 - 8^2 = 161$ Column 2: $18^2 - 9^2 = 243$	Similarly, <b>Column 3:</b> $x^2 - 12^2 = 432$ $x = 24$ Hence, option 3 is the correct answer.

**Question 58 :**

Which of the following Venn diagrams best represents the relationship between the following classes? Lady constables, Uncles, Mothers

**Difficulty : Moderate**

**Average Time : 57 Seconds**

**Options :**

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

**Solution :**

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



### Understanding

The possible Venn diagram is:



Mothers can also be lady constables.

Hence, the diagram given below shows the best relationship between them:

**Question 59 :**

Select the letter-cluster that can replace the question mark (?) in the following series.

NAVIGATE, PCVIGATE, NAXKGATE, ?, NAXKGAVG

**Difficulty : Moderate**

**Average Time : 76 Seconds**

**Options :**

PCVIICTE

2. PCVIICUG

3. NAVIJCTE

4. NAXKICTE

**Solution :**

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

**Understanding**

**NAVIGATE**

NA + 2 = PC PC VI GA TE,

PC - 2 = NA; VI + 2 = XK NA XK GA TE,

NA + 2 = PC; XK - 2 = VI; GA + 2 = IC PC VI  
IC TE

PC - 2 = NA; VI + 2 = XK; IC - 2 = GA; TE + 2  
= VG NA XK GA VG

Hence the missing letters are PCVIICTE

**Question 60 :**

Select the number that can replace the question mark (?) in the following series. 39, 50, 63, 80, ?, 122, 151, 182

**Difficulty : Moderate**

**Average Time : 61 Seconds**

**Options :**

1. 105

2. 108

3. 90

4. 99

**Solution :**

The correct answer is **option 4** i.e **99**.

**Understanding**

Given series: 39, 50, 63, 80, ? , 122, 151, 182

The logic used here is:

(Number) + (prime number starting from 11)

$$39 + 11 = 50$$

$$50 + 13 = 63$$

$$63 + 17 = 80$$

$$80 + 19 = 99$$

$$99 + 23 = 122$$

$$122 + 29 = 151$$

$$151 + 31 = 182$$

The next term in the series is  $80 + 19 = 99$ .

Hence, option 4 is the correct answer.

### Question 61 :

Select the letter that will replace the question mark (?) in the following series. A, J, E, L, I, N, O, P, U, ?

Difficulty : Moderate

Average Time : 55 Seconds

### Options :

1. W
2. K
3. B
4. R

### Solution :

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

Understanding



Given series: A, J, E, L, I, N, O, P, U, ?

The given series is alternate with two series.

1. A, E, I, O, U

Series of vowels

2. J, L, N, P, ?

$J + 2 = L$

$L + 2 = N$

$N + 2 = P$

$P + 2 = R$

The next term in the series is  **$P + 2 = R$**

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

**Question 62 :**

Which of the following is the lowermost layer of the Atmosphere?

Difficulty : Moderate

Average Time : 59 Seconds

**Options :**

1. Mesosphere
2. Thermosphere
3. Troposphere
4. Exosphere

**Solution :**

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

- The troposphere is the lowest layer of our atmosphere.
- Starting at ground level, it extends upward to about 10 km (6.2 miles or about 33,000 feet) above sea level.

**Question 63 :**



'Pedology' is the science of:

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. skin disease
2. ground water
3. soil
4. childhood illness

Solution :

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

- Pedology is the branch of soil science that integrates and quantifies the formation, morphology, and classification of soils as natural landscape bodies.

Question 64 :

Which of the following states does NOT share its boundary with Nepal?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Bihar
2. West Bengal
3. Uttar Pradesh
4. Assam

Solution :

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

- The five Indian states that share a land border with Nepal are Uttarakhand, Uttar Pradesh, Bihar, West Bengal, and Sikkim.

**Question 65 :**

Who among the following was the mascot of the Men's Hockey World Cup held at Bhubaneswar in 2018?

Difficulty : Moderate

Average Time : 44 Seconds

**Options :**

1. Borobi
2. Millie
3. Shera
4. Turtle Olly

**Solution :**

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

- Turtle Olly was the mascot of the Men's Hockey World Cup held at Bhubaneswar in 2018.
- The official mascot of the event was introduced by the Sports and Youth Services Department.

**Question 66 :**

\_\_\_\_\_ is non-biodegradable waste.

Difficulty : Moderate

Average Time : 44 Seconds

**Options :**

1. Fruits
2. Dead animals
3. Plants

## Plastic

### Solution :

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

- Non-Biodegradable waste is one that has not been able to break down or degrade for several years.
- These are waste which can not be turned into dung and causes more pollution.
- Examples of non-biodegradable materials include fibres, shoes, metals, hazardous substances, pesticides, consumer items such as plastic bags, shopping bags.

### Question 67 :

Which of the following ministries is NOT associated with the initiative of Beti Bachao, Beti Padhao Scheme?

Difficulty : Moderate

Average Time : 52 Seconds

### Options :

1. Ministry of Rural Development
2. Ministry of Health and Family Welfare
3. Ministry of Human Resource Development
4. Ministry of Women and Child Development

### Solution :

The correct answer is **option 1** i.e **Ministry of Rural Development**.



- Beti Bachao, Beti Padhao (Save the girl child, educate the girl child) is a campaign of the Government of India that aims to generate awareness and improve the efficiency of welfare services intended for girls in India.
- It aims to address the issue of the declining child sex ratio image (CSR) and is a national initiative jointly run by the Ministry of Women and Child Development, the Ministry of Health and Family Welfare and the Ministry of Education.

### Question 68 :

In 2019, IIT-Madras launched the country's first indigenously designed standing wheelchair named:

Difficulty : Moderate

Average Time : 62 Seconds

### Options :

1. Awake
2. Optimist
3. Marathon
4. Arise

### Solution :

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

- Indian Institute of Technology (IIT) Madras has launched the country's first indigenously designed standing wheelchair named 'Arise' in presence of Union Minister of Social Justice and Empowerment Thawarchand Gehlot at the institute.

### Question 69 :

Which of the following events did NOT occur in 1919?



Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Montague Chelmsford Reform was announced
2. Rowlatt Act was passed
3. Jallianwala Bagh tragedy took place
4. Partition of Bengal took place

Solution :

The correct answer is **option 4** i.e **Partition of Bengal took place.**

- **Partition of Bengal** did not occur in 1919.
- The first Partition of Bengal (1905) was a territorial reorganization of the Bengal Presidency implemented by the authorities of the British Raj.
- The reorganization separated the largely Muslim eastern areas from the largely Hindu western areas.

Question 70 :

Which of the following rivers was known as Purushni in the Vedic period?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Chenab
2. Ravi
3. Sutlej
4. Beas

Solution :

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



The Ravi River was known as Purushni in the Vedic period.

- The River Ravi is a transboundary river that connects northwest India and East Pakistan.

**Question 71 :**

Who among the following is NOT a recipient of the 2019 Mother Teresa Memorial Awards for Social Justice?

Difficulty : Moderate

Average Time : 43 Seconds

**Options :**

1. Ajeet Singh
2. Kailash Satyarthi
3. Medha Patkar
4. Priti Patkar

**Solution :**

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

- The Mother Teresa Awards officially called the Mother Teresa Memorial Awards for Social Justice, are international and national awards presented annually to honour individuals and organizations that promote peace, equality and social justice, and aim to encourage the cause of justice and peaceful coexistence, while providing an impetus for society to imbibe these values.
- Medha Patkar was not a recipient of the 2019 Mother Teresa Memorial Awards for Social Justice.

**Question 72 :**

Who among the following is the Chief Minister of Mizoram as of November 2019?

Difficulty : Moderate

Average Time : 57 Seconds

**Options :**



PU Zoramthanga

2. Conrad Kongkal Sangma
3. Laldenga
4. Neiphiu Rio

**Solution :**

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

- PU Zoramthanga is the Chief Minister of Mizoram as of November 2019.
- He is the president of the Mizo National Front (MNF) party.

**Question 73 :**

In July 2019, which of the following schemes was launched to accelerate water harvesting and conservation measures?

**Difficulty : Moderate**

**Average Time : 45 Seconds**

**Options :**

1. Jal Vikas Abhiyan
2. Jal hi dhan hai Abhiyan
3. Jal Bachao Abhiyan
4. Jal Shakti Abhiyan

**Solution :**

The correct answer is **option 4** i.e **Jal Shakti Abhiyan**.

- Union Jal Shakti Minister, Shri Gajendra Singh Shekhawat, announced the commencement of the Jal Shakti Abhiyan - a campaign for water conservation and water security.
- The campaign will run through citizen participation during the monsoon season, from 1st July 2019 to 15th September 2019.

### Question 74 :

How many medals did India win in the 2012 Summer Olympics?

Difficulty : Moderate

Average Time : 51 Seconds

### Options :

1. 3

2. 6

3. 4

4. 5

### Solution :

The correct answer is **option 2** i.e **6**.

- The 2012 Summer Olympics was an international multi-sport event held from 27 July to 12 August 2012 in London, United Kingdom.
- India's most successful Olympics in terms of the total medal tally, having won a total of 6 medals (2 silver and 4 bronze).

### Question 75 :

Under which Amendment to the Constitution of India was Goods and Services Tax imposed?

Difficulty : Moderate

Average Time : 46 Seconds

### Options :

1. 97th

2. 101st

3. 99th

4. 103rd

### Solution :

The correct answer is **option 2** i.e **101st**.

- One Hundred and First Amendment of the Constitution of India officially known as The Constitution Act, 2016, this amendment introduced a national Goods and Services Tax in India from 1 July 2017.

**Question 76 :**

Constantan is an alloy of Copper and \_\_\_\_\_.

**Difficulty :** Moderate

**Average Time :** 43 Seconds

**Options :**

1. Aluminium
2. Iron
3. Tin
4. Nickel

**Solution :**

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

- Constantan is a exclusive name for a copper-nickel alloy also known as Eureka, Advance, and Ferry.
- It usually consists of 55% copper and 45% nickel.
- Its main feature is the low thermal variation of its resistivity, which is constant over a wide range of temperatures.

**Question 77 :**

What does 'C' stand for in ITCZ?

**Difficulty :** Moderate

**Average Time :** 47 Seconds

**Options :**



Convergence

2. Convection
3. Constant
4. Circulation

**Solution :**

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

- The intertropical convergence zone (ITCZ) is an east-west-oriented low-pressure region near the equator where the surface northeast and southeast trade winds meet.

**Question 78 :**

What is the rank of India in the Global Peace Index 2019?

**Difficulty : Moderate**

**Average Time : 42 Seconds**

**Options :**

1. 143
2. 141
3. 144
4. 142

**Solution :**

The correct answer is **option 2** i.e **141**.



- Global Peace Index (GPI) is a report produced by the Institute for Economics & Peace (IEP) which measures the relative position of nations' and regions' peacefulness.
- India's rank has slipped five places to 141 among 163 countries on the Global Peace Index 2019, while Iceland remains the most peaceful country and Afghanistan the least peaceful nation.

### Question 79 :

Who among the following initiated 'Din-i-Ilahi'?

Difficulty : Moderate

Average Time : 48 Seconds

### Options :

1. Humayun
2. Babur
3. Jahangir
4. Akbar

### Solution :

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



- The Dīn-i-Ilāhī known during its time as Tawāḥḥūdī or Divine Faith was a syncretic religion propounded by the Mughal emperor Akbar in 1582, intending to merge some of the elements of the religions of his empire, and thereby reconcile the differences that divided his subjects.
- The elements were primarily drawn from Islam, Hinduism, and Zoroastrianism, but some others were also taken from Christianity, Jainism, and Buddhism.

### Question 80 :

Who signed the treaty of Alinagar with the British?

Difficulty : Moderate

Average Time : 54 Seconds

### Options :

1. Alivardi Khan
2. Siraj-Ud-Daula
3. Mir Jafar
4. Mir Qasim

### Solution :

The correct answer is **option 2** i.e **Siraj-Ud-Daula**.

- The Treaty of Alinagar was signed on 9 Feb 1757 between Robert Clive of the British East India Company and the Nawab of Bengal, Mirza Muhammad Siraj Ud Daula.
- Alinagar was the short-lived name given to Calcutta given by the Nawab after it was captured by him.
- The Nawab had seized the English fort at Calcutta, but facing the threat of Afghans in the rear and the military might of the English, he signed the treaty.

**Question 81 :**

Who of the following authored the book 'Revolution 2020'?

**Difficulty : Moderate**

**Average Time : 57 Seconds**

**Options :**

1. Chetan Bhagat
2. Devdutt Pattnaik
3. Rupa Pai
4. Arvind Kejriwal

**Solution :**

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

- Revolution 2020: Love, Corruption, Ambition is a 2011 novel by Chetan Bhagat.
- Its story is concerned with a love triangle, corruption and a journey of self-discovery.

**Question 82 :**

How many molecules of ATP are obtained by the respiration of one molecule of glucose?



Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 36
2. 38
3. 4
4. 2

Solution :

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

Question 83 :

What is the rank of India in the Human Development Index 2019?

Difficulty : Moderate

Average Time : 30 Seconds

Options :

1. 89th
2. 128th
3. 130th
4. 129th

Solution :

The correct answer is **option 4** i.e **129th**.

- India has been ranked 129th among 189 countries in the Human Development Index 2019 released by the United Nations Development Programme (UNDP).

Question 84 :

The rating for a fuse used in a household electric circuit is provided on the basis of:

Difficulty : Moderate

Average Time : 43 Seconds

Options :



voltage

2. current

3. power

4. resistance

### Solution :

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

- The rating for a fuse used in a household electric circuit is provided on the basis of the current as the fuse is used to provide overcurrent protection.

### Question 85 :

Which tales are related to the painting and sculptures of the Ajanta caves?

Difficulty : Moderate

Average Time : 45 Seconds

### Options :

1. Panchatantra Tales
2. Pentamerone Tales
3. Hitopadesha Tales
4. Jataka Tales

### Solution :

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



- Ajanta is located about a hundred kilometers from the Aurangabad district of Maharashtra, in a horseshoe-shaped gorge of the Waghora River.
- The paintings of the 5th and 6th centuries at Ajanta mainly depict the Jataka tales.
- The Jataka Tales were written by the followers of Gautam Buddha.
- These are the stories of the Buddha in his previous lives when he was still on the path to enlightenment.

**Question 86 :**

If  $x, y, z$  are three numbers such that  $x + y = 13$ ,  $y + z = 15$  and  $z + x = 16$ , then the value of  $(xy + xz) / (xyz)$  is:

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

1.  $5 / 36$
2.  $5 / 18$
3.  $18 / 5$
4.  $36 / 5$

**Solution :**

The correct answer is **option 2** i.e  $5 / 18$

$$x + y = 13$$

$$y + z = 15$$

$$x + z = 16$$

By adding three of the theorem

$$2(x + y + z) = 44$$

$$x + y + z = 22$$

By using all the given equations

$$x = 7 \text{ \& } y = 6 \text{ \& } z = 9$$

$$(xy + xz) / (xyz)$$

$$(7 \times 6 + 7 \times 9) / (7 \times 6 \times 9)$$

$$(42 + 63) / 378$$

$$105 / 378$$

$$5 / 18$$

**Question 87 :**

Amit travelled a distance of 50 km in 9 hours. He travelled partly on foot at 5 km/h and partly by bicycle at 10 km/h. The distance travelled on the bicycle is:

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

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

**Solution :**

The correct answer is **option 1** i.e **10 km**

Let the distance covered on bicycle be x m.

Total time taken = 9 hours

$$9 = x / 10 + (50 - x) / 5$$

$$90 = -x + 100$$

$$x = 10 \text{ km}$$

**Question 88 :**

Solve the following.  $(2\sin 22^\circ) / (\cos 68^\circ) - (2\cot 75^\circ) / (5\tan 15^\circ) - (8\tan 45^\circ \tan 20^\circ \tan 40^\circ \tan 50^\circ \tan 70^\circ) / (5)$

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



1

2. 3

3. 2

4. 0

**Solution :**The correct answer is **option 4** i.e **0**

$$(2\sin 22^\circ) / (\cos 68^\circ) - (2\cot 75^\circ) / (5\tan 15^\circ) - (8\tan 45^\circ \tan 20^\circ \tan 40^\circ \tan 50^\circ \tan 70^\circ) / (5)$$

$$(\sin(90^\circ - \theta) = \cos \theta, \tan(90^\circ - \theta) = \cot \theta)$$

$$(2\cos 68^\circ) / (\cos 68^\circ) - (2\tan 15^\circ) / (5\tan 15^\circ) - (8\tan 45^\circ \cot 70^\circ \cot 50^\circ \tan 50^\circ \tan 70^\circ) / (5)$$

$$2 - 2/5 - 8/5$$

$$0$$

**Question 89 :**The value of  $(\operatorname{Cosec} A + \cot A + 1)(\operatorname{Cosec} A - \cot A + 1) - 2\operatorname{Cosec} A$  is :**Difficulty : Moderate****Average Time : 65 Seconds****Options :**

1. 2

2.  $4\operatorname{Cosec} A$ 

3. 0

4.  $2\operatorname{Cosec} A$ **Solution :**The correct answer is **option 1** i.e **2**

$$(\operatorname{Cosec} A + \cot A + 1)(\operatorname{Cosec} A - \cot A + 1) - 2\operatorname{Cosec} A$$

$$(1 / \sin A + \cos A / \sin A + 1)(1 / \sin A - \cos A / \sin A + 1) - 2 / \sin A$$

$$((1 + \sin A + \cos A)(1 + \sin A - \cos A)) / \sin^2 A - 2 / \sin A$$

$$((1 - \sin A)^2 - \cos^2 A) / \sin^2 A - 2 / \sin A$$

$$(1 + \sin^2 A + 2\sin A - \cos^2 A - 2\sin A) / \sin^2 A$$



$$(1 - \cos^2 A + \sin^2 A) / \sin^2 A$$

$$(\sin^2 A + \sin^2 A) / \sin^2 A$$

2

**Question 90 :**

A train X travelling at 60 km/h overtakes another train Y, 225 m long, and completely passes it in 72 seconds. If the trains had been going in opposite directions, they would have passed each other in 18 seconds. The length (in m) of X and the speed (in km/h) of Y are, respectively:

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

1. 255 and 40
2. 245 and 54
3. 255 and 36
4. 245 and 45

**Solution :**

The correct answer is **option 3** i.e **255 and 36**

Understanding

Application





The time is taken by train to overtake a train running parallel is the ratio of the sum of both trains to the relative speed.

Let the length of train X m be L and the speed of train Y be V km/h

When both are travelling in the same direction.

$$72 = (225 + L) / (50 / 3 - V)$$

$$L + 72V = 975$$

When both are travelling in the opposite direction.

$$18 = (225 + L) / (50 / 3 + V)$$

$$L = 75 + 18V$$

By solving both the equations

$$v = 10 \text{ m/s}$$

$$10 \times (18 / 5)$$

$$36 \text{ km/h}$$

$$L = 75 + 18(10)$$

$$255 \text{ m}$$

**Question 91 :**

A certain sum amounts to Rs.280900 in 2 years at 6% per annum, interest compounded annually. The sum is:

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

1. Rs.3,50,000



Rs.5,50,000

3. Rs.2,50,000

4. Rs.200000

**Solution :**

The correct answer is **option 3** i.e **Rs.2,50,000**

$$\text{Amount} = P(1 + r / 100)^t$$

Where P is the principal, r is the rate of interest compounded annually & t is the time period.

$$280900 = P(1 + 6 / 100)^2$$

$$P = 280900 / (1.06)^2$$

$$P = 280900 / 1.1236$$

$$P = \text{Rs.}2,50,000$$

**Question 92 :**

The following table shows the production of fertilizers (in lakh tone) by six companies for 5 months (January to May).

Month	Company I	Company II	Company III	Company IV	Company V	Company VI
January	327	180	185	137	145	120
February	326	179	187	162	146	122
March	320	160	188	173	135	130
April	318	167	177	180	140	130
May	310	150	169	178	140	128

In which month does Company II have a contribution of approximately 20% in the total fertilizer production?

Difficulty : Moderate

Average Time : 55 Seconds

**Options :**

1. March

2. January

3. May

4. April

**Solution :**

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

Total production of fertiliser by company II = 180 + 179 + 160 + 167 + 150

836

$$20\% \text{ of } 836 = 836 \times (0.20) = 167.5$$



Which is nearest in April.

**Question 93 :**

Solve the following expression.  $11 + 11 \times 11 - 11 \div 11$

**Difficulty : Moderate**

**Average Time : 38 Seconds**

**Options :**

1. 11
2. 22
3. 121
4. 131

**Solution :**

The correct answer is **option 4** i.e **131**

$$11 + 11 \times 11 - 11 \div 11$$

First, we will apply division

$$11 + 11 \times 11 - 1$$

Now, we will apply multiplication

$$11 + 121 - 1$$

Now, we will apply addition

$$132 - 1$$

$$131$$

**Question 94 :**

If  $a = 2b = 8c$  and  $a + b + c = 13$ , then the value of  $(a^2 + b^2 + c^2) / (2c)$  is:

**Difficulty : Moderate**

**Average Time : 45 Seconds**

**Options :**

1.  $5/6$
2.  $-(5/6)$
3.  $-(9/2)$

9 / 2

**Solution :**The correct answer is **option 4** i.e **9 / 2**

$$a = 2b = 8c$$

$$a = 8c \text{ \& } b = 4c$$

$$a + b + c = 13$$

$$8c + 4c + c = 13$$

$$13c = 13 \quad c = 1$$

$$a = 8 \text{ \& } b = 4$$

$$(a^2 + b^2 + c^2) / (2c)$$

$$(8^2 + 4^2 + 1^2) / (2 \times 1)$$

$$(64 + 16 + 1) / (2)$$

$$(81) / 2$$

$$9 / 2$$

**Question 95 :**

A, B, and C can individually complete a task in 24 days, 16 days, and 32 days respectively. If A and C start the work and worked for 6 Days and left, then the number of days required by B to complete the remaining task is:

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

1. 9

2.  $12\frac{1}{2}$ 3.  $12\frac{1}{2}$ 4.  $12\frac{1}{2}$ **Solution :**



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

Let the number of units of work be LCM (24, 16, 32) = 96 units.

Number of units of work completed by A in one day =  $96 / 24$  4 units

Number of units of work completed by B in one day =  $96 / 16$  6 units

Number of units of work completed by C in one day =  $96 / 32$  3 units

A & C worked for 6 days  $6(4 + 3) = 42$  units

Number of units left  $96 - 42$

54 units

B would take the number of days to complete the work =  $54 / 6$

9 days

**Question 96 :**

The volumes of spheres A and B are in the ratio 125 : 64. If the sum of radii of A and B is 36 cm, then the surface area (in cm<sup>2</sup>) of A is:

**Difficulty : Moderate****Average Time : 77 Seconds****Options :**

1. 1600
2. 512
3. 800
4. 1024

**Solution :**

The correct answer is **option 1** i.e **1600**

Understanding	Application
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<p>The volume of spheres is directly proportional to the radii of the spheres.</p> <p>Surface Area of sphere = <math>4r^2</math></p>	$\frac{V_1}{V_2} = \frac{r_1^3}{r_2^3}$ $\frac{125}{64} = \frac{r_1^3}{r_2^3}$ $r_1 / r_2 = 5 / 4$ <p>Let <math>r_1</math> be <math>5k</math> and <math>r_2</math> be <math>4k</math>.</p> $4k + 5k = 36$ $9k = 36$ $k = 4$ $r_1 = 4 \times 5$ $20 \text{ cm}$ $S = 4(20)^2$ $1600 \text{ cm}^2$
--	--

**Question 97 :**

A wheel covers a distance of 1,100 cm in one round. The radius of the wheel is:

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

1. 125 cm
2. 175 cm
3. 150 cm
4. 100 cm

**Solution :**

The correct answer is **option 2** i.e **175 cm**

The wheel covers the distance in one round equivalent to the perimeter of the circle.

$$2r = 1100$$

$$2(22/7)r = 1100$$



$$r = 175 \text{ cm}$$

$$\text{Radius} = 175 \text{ cm}$$

**Question 98 :**

When 2 is subtracted from each of the given  $n$  numbers, then the sum of the numbers so obtained is 102. When 5 is subtracted from each of them, then the sum of the numbers so obtained is 12. What is the average of the given  $n$  numbers?

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

1. 5.8
2. 5.4
3. 6.6
4. 6.2

**Solution :**

The correct answer is **option 2** i.e **5.4**

Let the average of  $n$  terms be  $y$ , the sum of  $n$  terms would be  $ny$ .

$$\text{If we subtract 2 from each term } ny - 2n = 102$$

$$\text{If we subtract 5 from each term } ny - 5n = 12$$

By solving both the equations

$$n = 30 \text{ \& } y = 5.4$$

**Question 99 :**

If  $a^2 + b^2 + c^2 = 0$ , then the value of  $(2(a^6 + b^6 + c^6)) / (3a^2b^2c^2)$  is:

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

1. 1
2. 2
3. 3
4. 0

**Solution :**

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

$$a^2 + b^2 + c^2 = 0$$

We know that

$$x + y + z = 0 \quad x^3 + y^3 + z^3 = 3xyz$$

$$\text{Let } x = a^2, y = b^2, z = c^2$$

$$a^6 + b^6 + c^6 = 3a^2b^2c^2$$

$$(2(a^6 + b^6 + c^6)) / (3a^2b^2c^2)$$

$$(6a^2b^2c^2) / (3a^2b^2c^2)$$

2

**Question 100 :**

If  $5 \cot = 3$ , find the value of  $(6 \sin - 3 \cos) / (7 \sin + 3 \cos)$ .

**Difficulty : Moderate**

**Average Time : 65 Seconds**

**Options :**

1. 20/41
2. 11/40
3. 21/44
4. 44/21

**Solution :**

The correct answer is **option 3** i.e **21/44**

$$5 \cot = 3$$

$$\cot = 3 / 5 = \text{Base} / \text{Perpendicular}$$

$$\text{Hypotenuse} = (3^2 + 5^2)$$

$$\text{Hypotenuse} = 34$$

$$(6 \sin - 3 \cos) / (7 \sin + 3 \cos)$$

$$(6 \times (5 / 34) - 3 \times (3 / 34)) / (7 \times (5 / 34) + 3 \times (3 / 34))$$



(30 - 9) / (35 + 9)

21 / 44

# Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2020-03-09 in the Afternoon exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness and 25 questions were asked from English Language
4. 13 questions should have been skipped if you were short of time.

# Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

## Quantitative Aptitude

1. Geometry - 2
2. Comparison Of Quantities - 1
3. Data Sufficiency - 22

## Logical Reasoning

1. Coding Decoding - 1
2. Analogy - 5
3. Classification - 3
4. Blood Relations - 1
5. Syllogism - 1
6. Venn Diagrams - 1
7. Dictionary Based - 1
8. Calendar - 1
9. Figure Based - 1
10. Matrix - 1
11. Mirrors And Water Reflection - 1
12. Configuration, Fitting Pieces, Odd Pieces - 2

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Series - 3

- 14. Cubes And Dice - 1
- 15. Data Sufficiency - 2

## General Awareness

- 1. History - 4
- 2. Polity - 1
- 3. Science - 4
- 4. Geography - 2
- 5. GK Misc - 5
- 6. Current Affairs - 9

## English Language

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



# Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks



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

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## Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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