

# Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2021-08-20 in the Evening exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

### Question 1 :

Which of the following is the expanded form of the abbreviation 'Rep.' used in the text of the Constitution of India?

Difficulty : Moderate

Average Time : 44 Seconds

### Options :

1. Repealed
2. Republic
3. Representative
4. Report

### Solution :

The correct answer is **option 1** i.e. **Repealed**.

#### • List of abbreviations used in the Constitution of India:

- Art., arts. - Article, articles.
- Cl., cls. - Clause, clauses.
- C.O. - Constitution Order.
- Ins. - Inserted.
- P., pp. - Page, pages.
- Pt. - Part.
- **Rep. - Repealed.**
- Sec., ss. - Section, sections.
- Sch. - Schedule.

Subs. - Substituted.

- o w.e.f. - with effect from.

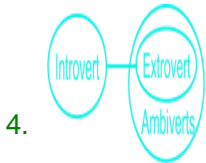
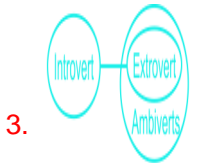
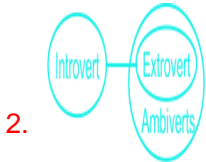
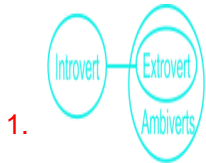
### Question 2 :

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

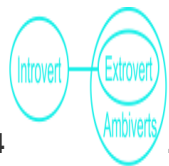
Difficulty : Moderate

Average Time : 55 Seconds

### Options :

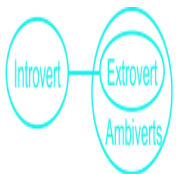


### Solution :



The correct answer is **option 4** .

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



### Question 3 :

In a certain code language, 'INHALE' is written as 'CNYJLK'. How will 'GUILTY' be written in that language?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. ARNGWE
2. WVJKSI
3. IJKSVW
4. WRNKSE

Solution :

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

The logic used here is:

'INHALE' is written as 'CNYJLK'

First, reverse the given code.

INHALE = KLJYNC

I + 2 = K

N - 2 = L

H + 2 = J

A - 2 = Y

L + 2 = N

E - 2 = C

Similarly,

Code for the word GUILTY:

G + 2 = I

U - 2 = S

I + 2 = K

L - 2 = J

T + 2 = V



$Y - 2 = W$

Code for the word GUILTY = WVJKSI.

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

**Question 4 :**

Select the option in which the numbers are related in the same way as the numbers of the following set. (3, 2, 3)

**Difficulty : Moderate**

**Average Time : 62 Seconds**

**Options :**

1. (7, 44, 66)
2. (4, 9, 12)
3. (12, 136, 204)
4. (5, 18, 27)

**Solution :**

The correct answer is **option 4** i.e. (5, 18, 27).

The logic used here is:

(3, 2, 3)

Similarly,

(5, 18, 27)

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

**Question 5 :**

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

**Difficulty : Moderate**

**Average Time : 41 Seconds**

**Options :**

1. LNQ

SUX

3. JLP

4. CEH

### Solution :

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

The logic used here is:

1st letter + 2 = 2nd letter

2nd letter + 3 = 3rd letter

**Option 1:** LNQ

$L + 2 = N$

$N + 3 = Q$

This follows the logic.

**Option 2:** SUX

$S + 2 = U$

$U + 3 = X$

This follows the logic.

**Option 3:** JLP

$J + 2 = L$

$L + 3 = O$

This does not follow the logic.

Hence, **option 3** is the odd one out.

### Question 6 :

Select the option that is related to the third number in the same way as the second number is related to the first number.

14: 112 :: 18:?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

183

2. 181

3. 180

4. 184

### Solution :

The correct answer is **option 3** i.e. **180**.

The logic used here is:

14: 112

$$14 \times ((14 \div 2) + 1) = 14 \times 8 = 112$$

Similarly,

18:?

$$18 \times ((18 \div 2) + 1) = 18 \times 10 = 180$$

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

### Question 7 :

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

Difficulty : Moderate

Average Time : 43 Seconds

### Options :

1. Euro

2. Loti

3. Pint

4. Naira

### Solution :

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

The logic used here is:

Euro is the official currency of the member states of the European Union.



Loti is the official currency of the Kingdom of Lesotho.

The Naira is the official national currency of Nigeria.

Euro, Loti, and Naira are the currencies whereas pint is not a currency.

Hence, **option 3** is the odd one out.

**Question 8 :**

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

Difficulty : Moderate

Average Time : 53 Seconds

**Options :**

1. Diesel: Fuel
2. Petrol: Car
3. Temperature: Refrigerator
4. Crops: Farmer

**Solution :**

The correct answer is **option 2** i.e. **Petrol: Car**.

The logic used here is:

Electricity: Television

Electricity is used as a source for television.

Similarly,

Petrol: Car

Petrol is used as a source for the car.

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

**Question 9 :**

Select the number from among the given options that can replace the question mark (?) in the following series. 13, 26, 52, 104, ?

Difficulty : Moderate

Average Time : 47 Seconds

**Options :**



208

2. 230

3. 152

4. 196

**Solution :**

The correct answer is **option 1** i.e. **208**.

Given series: 13, 26, 52, 104, ?

The logic used here is:

$$13 \times 2 = 26$$

$$26 \times 2 = 52$$

$$52 \times 2 = 104$$

$$104 \times 2 = 208$$

So, the next term in the series is **208**.

**Question 10 :**

Four friends, Priya, Kavya, Gaurvi, and Shalini, have different amounts of money with them. If Priya takes ₹188 from Kavya, then she will have an amount equal to what Gaurvi has. Shalini and Kavya together have a total of ₹1550. If Gaurvi takes ₹125 from Shalini, she will have an amount equal to what Kavya has. If the total amount with Shalini, Kavya, and Gaurvi is ₹1840, how much money does Priya have?

**Difficulty : Moderate**

**Average Time : 55 Seconds**

**Options :**

1. ₹1224

2. ₹1315

3. ₹1280

4. ₹1202

**Solution :**

The correct answer is **option 4** i.e. **₹1202**.

According to the question;





$$\text{Priya} + 88 = \text{Kavya} \text{ ----- (1)}$$

$$\text{Shalini} + \text{Kavya} = 550 \text{ ----- (2)}$$

$$\text{Gauri} + 25 = \text{Kavya} \text{ ----- (3)}$$

$$\text{Shalini} + \text{Kavya} + \text{Gauri} = 840 \text{ ----- (4)}$$

From equation 4 and 2;

$$550 + \text{Kavya} = 840$$

$$\text{Kavya} = 840 - 550 = 290 \text{ ----- (5)}$$

From equation 5 and 1;

$$\text{Priya} + 88 = 290$$

$$\text{Priya} = 202$$

Thus, Priya has Rs.202.

**Question 11 :**

Find the number of triangles in the given figure.

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

1. 17

2. 19

3. 21

4. 23

**Solution :**

The correct answer is **option 2** i.e. **19**.



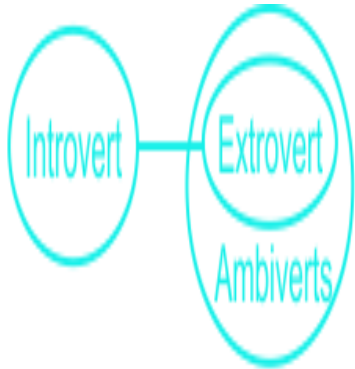
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19 triangles: AIC, BCM, JKI, JHP, BND, AOH, AOD, DOE, OHG, OGF, OEF, DFH, ADH, ADF, AHF, DOF, DOA, AOH, OHF.

### Question 12 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 3 6 8 5 32 60 18 ? 238

Difficulty : Moderate

Average Time : 42 Seconds

### Options :

1. 122
2. 124
3. 126
4. 128

### Solution :

The correct answer is **option 3** i.e. **126**.

The logic used here is:

#### Column 1:

$$3^2 - 4 = 5$$

$$5 \times 4 - 2 = 20 - 2 = 18$$

#### Column 2:

$$8^2 - 4 = 60$$

$$60 \times 4 - 2 = 240 - 2 = 238$$

Similarly,

**Column 3:**

$$6^2 - 4 = 32$$

$$32 \times 4 - 2 = 128 - 2 = 126$$

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

**Question 13 :**

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Illegitimate 2. Illegality 3. Illuminate 4. Illiterate 5. Illegible

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

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

**Solution :**

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

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

So the arrangement is;

1. Illegality
2. Illegible
3. Illegitimate
4. Illiterate
5. Illuminate

**Question 14 :**

Pointing towards Sumit, Anuj said, "He is my mother's father's son's brother's son". If Vinita who is married to Kartik, is the mother of Anuj, then how is Vinita related to Sumit?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

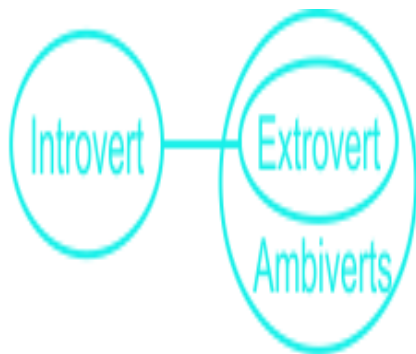
1. Father's sister
2. Mother
3. Mother's sister
4. Sister

Solution :

The correct answer is **option 1** i.e. **Father's sister**.

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, Vinita is the father's sister of Sumit.

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

**Question 15 :**

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

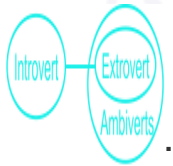
Average Time : 60 Seconds

Options :

- 1.

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

**Solution :**



The correct answer is **option 1**.

After unfolding, the paper will appear as follows:



**Question 16 :**

Select the option that is related to the third word in the same way as the second word is related to the first word. Hen: Rooster:: Duck:?

**Difficulty : Moderate**

**Average Time : 67 Seconds**

**Options :**

- 1. Monk

Stag

3. Drake

4. Drone

### Solution :

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

The logic used here is:

Hen: Rooster

A rooster is a male chicken and a hen is a female chicken.

Similarly,

Duck:?

A male duck is called a drake, a female duck is called a duckling or duck.

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

### Question 17 :

Select the correct mirror image of the given combination when the mirror is placed as 'MN' as shown.

Difficulty : Moderate

Average Time : 49 Seconds

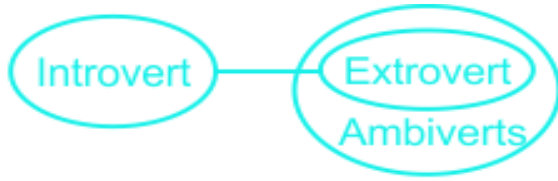
### Options :

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

### Solution :

The correct answer is **option 1**.

The mirror image of the question figure is shown below:



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

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

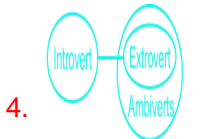
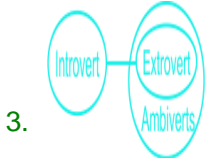
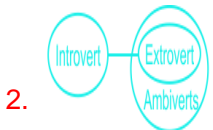
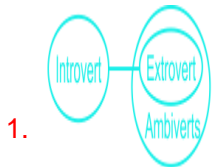
### Question 18 :

Select the Venn diagram that best illustrates the relationship between the following classes. Highlighter, Stationary, Eraser

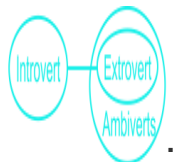
Difficulty : Moderate

Average Time : 76 Seconds

### Options :

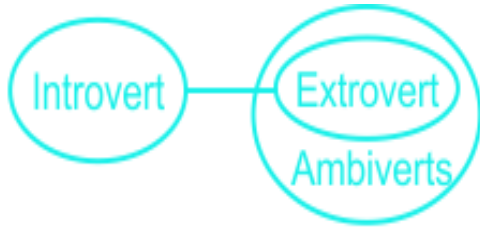


### Solution :



The correct answer is **option 3**.

The possible Venn diagram is:



All erasers are stationaries. All highlighters are stationaries.

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

### Question 19 :

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 : 72 Seconds

### Options :

1. 54: 152
2. 82: 236
3. 36: 98
4. 68: 196

### Solution :

The correct answer is **option 4** i.e. **68: 196**.

The logic used here is:

$$1\text{st number} \times 3 - 10 = 2\text{nd number}$$

**Option 1:** 54: 152

$$54 \times 3 - 10 = 152$$

This follows the logic.

**Option 2:** 82: 236

$$82 \times 3 - 10 = 236$$

This follows the logic.

**Option 3:** 36: 98





$$36 \times 3 - 10 = 98$$

This follows the logic.

**Option 4:**  $68: 196$

$$68 \times 3 - 10 = 194$$

This does not follow the logic.

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

**Question 20 :**

A cube is made by folding the given sheet. In the cube so formed, what would be the number on the face opposite the face showing the number '3'?

**Difficulty :** Moderate

**Average Time :** 59 Seconds

**Options :**

1. 5

2. 1

3. 7

4. 9

**Solution :**

The correct answer is **option 3** i.e. **7**.

When the sheet is folded;

9 is opposite to 1.

7 is opposite to 3.

5 is opposite to 2.

Thus, the number on the face opposite to the face showing the number '3' is 7.

**Question 21 :**

Select the letter cluster from among the given options that can replace the question mark (?) in the following series.  
CUPBOARD, DVPBOARD, DVQCOORD, ?, DVQCPBSE

**Difficulty :** Moderate

**Average Time :** 42 Seconds

**Options :**

DVQCPBRD

2. DVQCPBSD

3. DVQCOASE

4. DVPBPBRD

### Solution :

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

Given series: CUPBOARD, DVPBOARD, DVQCOARD, ?, DVQCPBSE

The logic used here is:

CUPBOARD, DVPBOARD

C + 1 = D

U + 1 = V

DVPBOARD, DVQCOARD

D D

V V

P + 1 = Q

B + 1 = C

DVQCOARD, ?

D D

V V

Q Q

C C

O + 1 = P

A + 1 = B

R R

D D

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

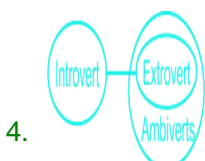
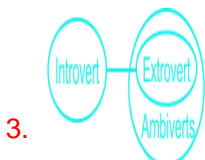
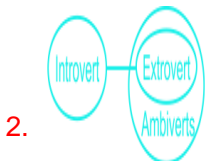
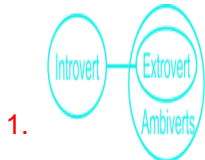
**Question 22 :**

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

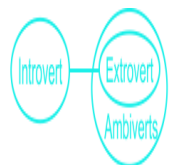
**Difficulty : Moderate**

**Average Time : 62 Seconds**

**Options :**



**Solution :**

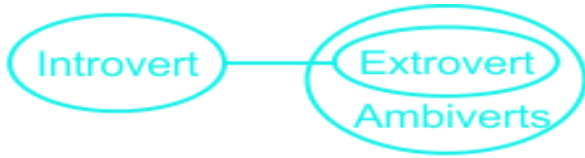


The correct answer is **option 4**.

The logic used here is:

1. The right-angle triangle with an arrow inside it moves 90 degrees in the clockwise direction.
2. Letters J and F move in the clockwise direction but the letters are rotated in the anticlockwise direction.

The series of figures:

**Question 23 :**

Select the correct combination of mathematical signs that can sequentially replace the \* signs and balance the equation.  $5 * 468 * 18 * 70 * 180 * 4 * 5$

Difficulty : Moderate

Average Time : 75 Seconds

**Options :**

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

**Solution :**

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

**Given equation:**  $5 * 468 * 18 * 70 * 180 * 4 * 5$

Let us check all the options:

**Option 1:**  $\times, \div, +, -, =, \times$

The expression becomes:

$$= 5 \times 468 \div 18 + 70 - 180 = 4 \times 5$$

= 20 is equal to 20.

As we have found our answer, we need not check the other options.

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

**Question 24 :**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: No introvert is an extrovert. All extroverts are ambiverts. Conclusions: I. No introvert is an ambivert. II. No ambivert is an introvert. III. Some ambiverts are extroverts. IV. All ambiverts are extroverts.

Difficulty : Moderate

Average Time : 69 Seconds

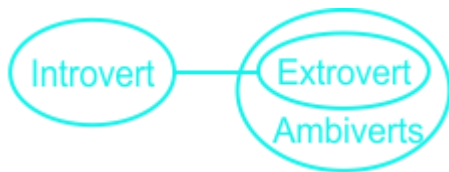
Options :

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

Solution :

The correct answer is **option 2** i.e. **Only conclusion III follows**.

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



Conclusions:

- I. No introvert is an ambivert **False** (It is possible but no definite conclusion can be drawn).
- II. No ambivert is an introvert **False** (It is possible but no definite conclusion can be drawn).
- III. Some ambiverts are extroverts **True** (All extroverts are ambiverts, so, we can say that some extroverts are ambiverts).
- IV. All ambiverts are extroverts **False** (It is possible but no definite conclusion can be drawn).

Hence, **Only conclusion III follows**.

Question 25 :

In a certain code language, 'LIBERTY' is coded as '4221824364050'. How will 'SLAVERY' be coded in that language?

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. 26222436384450
2. 22262438365040
3. 26224233684540
4. 22242636384050

**Solution :**

The correct answer is **option 1** i.e. **26222436384450**.

The logic used here is:

'LIBERTY' is coded as '4221824364050'

1. First, arrange the letters in alphabetical order.
2. Vowels are coded in opposite alphabetical order.
3. Consonants are multiplied by 2 with their respective positional values to get the code.

LIBERTY = BEILRTY

$$B = 2 \times 2 = 4$$

$$E = V = 22$$

$$I = R = 18$$

$$L = 12 \times 2 = 24$$

$$R = 18 \times 2 = 36$$

$$T = 20 \times 2 = 40$$

$$Y = 25 \times 2 = 50$$

Similarly,

Code for the word SLAVERY:

SLAVERY = AELRSVY

$$A = Z = 26$$

$$E = V = 22$$

$$L = 12 \times 2 = 24$$

$$R = 18 \times 2 = 36$$

$$S = 19 \times 2 = 38$$

$$V = 22 \times 2 = 44$$

$$Y = 25 \times 2 = 50$$

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

**Question 26 :**



Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. b\_ e \_ d k \_ \_ c e m \_ k k b c \_ m \_ k k

**Difficulty : Moderate**

**Average Time : 73 Seconds**

**Options :**

1. c, k, k, b, d, e, d
2. c, m, k, b, d, e, d
3. c, k, m, b, d, e, d
4. c, m, k, b, c, c, d

**Solution :**

The correct answer is **option 2** i.e. **c, m, k, b, d, e, d**.

The sequence is – l, r, t, l, r, l, q

Given sequence: m\_tq\_ml\_qrm\_tq\_m\_t\_r

**Option 1:** c, k, k, b, d, e, d

b c e k d k k / b c e m d k k / b c e m d k k

**Option 2:** c, m, k, b, d, e, d

b c e m d k k / b c e m d k k / b c e m d k k

Option 2 forms a particular pattern.

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

**Question 27 :**

AMRUT scheme was launched under the sanitation programme in 2015. What is the full form of AMRUT?

**Difficulty : Moderate**

**Average Time : 78 Seconds**

**Options :**

1. Aqua Mission for Renewable and Ultra Transformation
2. Atal Mission for Rejuvenation and Urban Transformation
3. Amar Mission for Renewable and Ultra Transmission
4. Aqua Mission for Rejuvenation and Urban Transmission

**Solution :**

The correct answer is **option 2** i.e. **Atal Mission for Rejuvenation and Urban Transformation**.

- **Atal Mission for Rejuvenation and Urban Transformation (AMRUT)** is the first focused national water Mission that was launched in June 2015 to facilitate ease of living to citizens in 500 cities by providing tap connections and sewer connections. The objective of AMRUT is to ensure that every household has access to a tap with assured supply of water and a sewerage connection, increase the amenity value of cities by developing greenery and well maintained open spaces.

**Question 28 :**

'Oolong' is a variant of \_\_\_\_\_.

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

1. jute
2. coffee
3. rubber
4. tea

**Solution :**

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

- Oolong is a variant of tea.
- It is made from the *Camellia sinensis* plant.
- Its dried leaves and leaf buds are used to make several different teas, including black and green teas.
- Oolong tea is fermented for longer than green tea, but less than black tea.
- It contains caffeine which affects thinking and alertness.

**Question 29 :**

Spider webs are made up of \_\_\_\_\_, a natural fibre made up of protein.

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

1. fur
2. wool
3. silk





hair

**Solution :**

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

- Spiders make their webs from **silk**.
- Silk is a natural fibre made of protein.
- Not only does spider silk combine the useful properties of high tensile strength and extensibility, it can be beautiful in its own right.

**Question 30 :**

Who among the following is the first female from India to win a Grammy award?

Difficulty : Moderate

Average Time : 45 Seconds

**Options :**

1. Palak Muchhal
2. Neeti Mohan
3. Monali Thakur
4. Tanvi Shah

**Solution :**

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

- Tanvi Shah is the first Indian woman to have won a Grammy and one of the most sought after voices in the music industry.
- She hails from Tamil Nadu.
- The Grammy Award is presented by US Recording Academy to recognize the 'outstanding achievement in the music industry' of the United States.

**Question 31 :**

Which of the following is a characteristic of conservative force?

Difficulty : Moderate

Average Time : 48 Seconds

**Options :**

1. Work done by it depends upon the path.



Work done by it is completely recoverable.

3. Energy is dissipated as heat energy.

4. Work done by it in a round trip is not zero.

**Solution :**

The correct answer is **option 2** i.e. **Work done by it is completely recoverable.**

- A conservative force is a force done in moving a particle from one point to another.
- Such a force is independent of the path taken by the particle.
- It depends only on the initial and final position of the particle.
- Gravitational force and elastic spring forces are two examples of conservative forces.
- The key characteristic of the conservative force is that the work done by it is completely reversible.

**Question 32 :**

Who among the following became the first Indian javelin thrower to win an Asian Games gold medal in 2018?

Difficulty : Moderate

Average Time : 63 Seconds

**Options :**

1. Shivpal Singh
2. Devender Singh
3. Vipin Kasana
4. Neeraj Chopra

**Solution :**

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

- Neeraj Chopra became the first Indian javelin thrower to win an Asian Games Gold medal in 2018.
- Neeraj Chopra won the gold medal with an 88.06m attempt in 2018 Asian Games in Jakarta. With this, Neeraj Chopra became the first Indian javelin thrower to win a gold medal at the Asian Games.
- He has been awarded with Padma Shri, Major Dhyan Chand Khel Ratna Award and Arjun Award.

**Question 33 :**

Which of the following books was written by Panini?

Difficulty : Moderate

Average Time : 51 Seconds

**Options :**



Raghuvamsam

2. Kathasaritsagara

3. Ashtadhyayi

4. Manusmrit

**Solution :**

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

- Ashtadhyayi was written by Panini.
- Panini was a Sanskrit grammarian.
- Ashtadhyayi is a Sanskrit treatise on grammar which has eight verses.
- It sums up in 4,000 sutras the science of phonetics and grammar that had evolved in the Vedic religion.

**Question 34 :**

Where is the Jai Hind bridge located in India?

Difficulty : Moderate

Average Time : 43 Seconds

**Options :**

1. Kolkata
2. Mumbai
3. Chennai
4. Hyderabad

**Solution :**

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

- Jai Hind bridge is located in Kolkata.
- The Majerhat bridge is renamed as Jai Hind Bridge to commemorate the 125th anniversary of the Subhash Chandra Bose.
- It is a 650metres long bridge.
- It is a part of national highway 12.

**Question 35 :**

How many states does the World Bank aided 'STARS' project under the New Education Policy initially propose to cover?

Difficulty : Moderate

Average Time : 46 Seconds

**Options :**

1. Four
2. Ten
3. Six
4. Eight

**Solution :**

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

- The Government of India and the World Bank today signed a \$500 million under the STARS project to improve the quality and governance of school education in six Indian states - Himachal Pradesh, Kerala, Madhya Pradesh, Maharashtra, Odisha, and Rajasthan.
- Some 250 million students between the age of 6 and 17 in 1.5 million schools, and over 10 million teachers are to be benefited from the program.
- The STARS program builds on the long partnership between India and the World Bank since 1994, for strengthening public school education and to support the country's goal of providing 'Education for All'.

**Question 36 :**

In reference to atomicity, argon is:

**Difficulty : Moderate**

**Average Time : 57 Seconds**

**Options :**

1. monoatomic
2. polyatomic
3. triatomic
4. diatomic

**Solution :**

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

- Atomicity refers to the total number of atoms present in a molecule.
- Atomicity of noble gas is always one.
- Argon is a noble gas.
- Thus, Argon is monoatomic.

**Question 37 :**

Who among the following Sikh Gurus founded the Tarn Taran Sahib?



Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Guru Ram Das
2. Guru Arjan Dev
3. Guru Nanak Dev
4. Guru Gobind Sikh

Solution :

The correct answer is **Option 2** i.e. **Guru Arjan Dev**.

- The Tarn Taran is a city in Punjab.
- Fifth Sikh Guru Arjan Dev Ji laid the foundation of the city in 1596.
- He created this city for the welfare of the people.
- He was the first one to initiate the noble cause to treat Leprosy patients.

Question 38 :

In which of the following years was the Bombay Reorganization Act passed?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 1980
2. 1956
3. 1975
4. 1960

Solution :

The correct answer is **option 4** i.e. **1960**.

- Bombay Reorganisation Act was passed in the year 1960.
- Maharashtra and Gujarat were formed Bombay after the passing of the Bombay Reorganisation Act 1960.
- Mumbai became the capital of Maharashtra.
- Gandhinagar is the capital of Gujarat.

Question 39 :

\_\_\_\_\_ is the water transporting tissue in plants.



Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Cortex
2. Xylem
3. Stele
4. Phloem

Solution :

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

- Xylems are the water transporting tissue in plants.
- These vascular tissues convey water and dissolved minerals from the roots to the rest of the plant and also provides physical support to the plant.
- Xylem tissue consists of a variety of specialized, water-conducting cells that are known as tracheary elements.

Question 40 :

Who was the first Director-General of Archaeological Survey of India?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Mortimer Wheeler
2. Alexander Cunningham
3. Lord Curzon
4. John Marshall

Solution :

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

- Alexander Cunningham was the first Director-General of Archaeological Survey of India.
- Archaeological Survey of India was founded in 1861.
- Armed with the knowledge of Brahmi, Alexander Cunningham carried out a detailed survey of the Buddhist monuments which lasted for over half a century.

Question 41 :

At which of the following places did Lord Buddha attain enlightenment?



Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Rajgir
2. Sarnath
3. Bodh Gaya
4. Vaishali

Solution :

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

- Bodh Gaya is a religious site where Gautama Buddha is said to have obtained Enlightenment under what became known as the Bodhi Tree.
- Gautam Buddha attained Nirvana or Enlightenment at Gaya in Bihar under a Peepal tree at Uruvela, on the banks of river Niranjana. He came to be known as the Buddha meaning the Enlightened One.
- Buddha gave his first sermon in Sarnath.

Question 42 :

Which of the following Indian solar energy firms was ranked as the number one energy company in terms of capacity in 2020 by Mercom Capital?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Adani Green
2. Waaree Energies
3. Jinko Solar
4. Tata Solar

Solution :

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

- Adani Green is the Indian solar energy firm that was ranked as the number one energy company in terms of capacity in 2020 by Mercom Capital.
- **Adani Green Energy Limited** is an Indian renewable energy company headquartered in Ahmedabad, Gujarat.
- It is owned by the Adani Group.
- The company operates the Kamurti Solar Power Project, one of the largest solar photovoltaic plants in the world.

The company was incorporated on 23 January 2015 under the Companies Act 2013.

- It is the first company to offer investment grade US Dollar Green Bonds to foreign investors.
- Mercom Capital Group is a clean energy communications and consulting firm with offices in the US and India.
- It provides highly respected industry market intelligence reports covering Solar Energy, Wind Energy and Smart Grid.

### Question 43 :

Who among the following is the first ever woman fighter pilot to have taken part at a Republic Day Parade?

Difficulty : Moderate

Average Time : 72 Seconds

### Options :

1. Mohana Singh Jitarwal
2. Avani Chaturvedi
3. Bhawna Kanth
4. Anny Divya

### Solution :

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

- Flight lieutenant Bhawana Kanth became the first woman fighter pilot to take part in the Indian Air Force's (IAF's) tableau at the Republic Day parade at Rajpath.
- The IAF tableau displayed mock-ups of the light combat aircraft, light combat helicopter and the Sukhoi-30 fighter plane.
- Kanth joined the fighter squadron in November 2017 and flew the first solo on MiG-21 Bison in March 2018.

### Question 44 :

The 'Ecowrap report' was published in May 2020 by which of the following banks?

Difficulty : Moderate

Average Time : 54 Seconds

### Options :

1. RBI
2. HDFC Bank
3. SBI





## ICICI Bank

### Solution :

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

- The Ecowrap Report was published by SBI in May 2020.
- Ecowrap Report is published by The Economic Research Department of the State Bank Of India.
- It includes details of GDP, Agricultural Reforms and informal economies.

Additional Information about SBI-

- It was established on 1st July 1955.
- It is headquartered in Mumbai.

### Question 45 :

Who is the author of the book, 'Walking with the Comrades'?

Difficulty : Moderate

Average Time : 48 Seconds

### Options :

1. Pupul Jayakar
2. Prakash Karat
3. Sitaram Yechury
4. Arundhati Roy

### Solution :

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

- **Walking with the Comrades** is a book by **Arundhati Roy** on the issue of Naxalite-Maoist insurgency.
- Arundhati Roy is an Indian author who won Man Booker Prize for her book 'The God Of Small Things'.

Other books of Arundhati Roy are:

- The Ministry of Utmost Happiness.
- Kashmir: The Case for Freedom.
- Azadi: Freedom, Fascism, Fiction.
- War Talk.

### Question 46 :

'Float Festival' is one of the main festivals celebrated in \_\_\_\_\_.



Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Puducherry
2. Madurai
3. Kanyakumari
4. Kannur

Solution :

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

- The float festival is celebrated in Madurai.
- It is also known as Teppotsavam.
- Lord Shiva is worshipped during the festival.
- It takes place on the full moon night of the Tamil month.
- The float festival also celebrates the birthday of King Nayak.

Question 47 :

In which of the following years were the first Commonwealth Games held in Canada?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 1930
2. 1956
3. 1909
4. 1912

Solution :

The correct answer is **option 1** i.e. **1930**.

- The Commonwealth Games began in 1930.
- Canada was the inaugural host of the commonwealth games.
- The commonwealth games take place every four years.
- 2022 commonwealth games was hosted by Birmingham, UK.
- 2026 commonwealth games will be hosted by Australia.

Question 48 :



Which of the following Himalayan peaks is NOT located in Nepal?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Mount Everest
2. Annapurna
3. Makalu
4. Kamet

Solution :

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

- Kamet is the Himalayan Peak in the Uttarakhand district of India.
- Kamet is a part of Zaskar range.
- It is the second highest mountain in the Garhwal region of Uttarakhand after Nanda Devi.
- It lies in the Chamoli district of Uttarakhand.
- Annapurna, Mount Everest and Makalu are the mountain peaks of Nepal.

Question 49 :

Virupaksha Temple is situated in which of the following districts of Karnataka?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Bidar
2. Chikkaballapur
3. Ballari
4. Bagalkot

Solution :

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

- Virupaksha Temple is a part of the Group of Monuments of Hampi which is designated as a UNESCO World Heritage Site.
- It is located in the Bellari district of Karnataka.
- The temple is dedicated to the Lord Virupaksha, a form of Shiva.
- It is located on the banks of river Tungabhadra.

**Question 50 :**

In the context of agricultural costs in India, what is MSP?

Difficulty : Moderate

Average Time : 46 Seconds

**Options :**

1. Minimum Support Price
2. Midterm Supply Plan
3. Model Stability Product
4. Maximum Selling Price

**Solution :**

The correct answer is **option 1** i.e. **Minimum Support Price**.

- The full form of MSP is Minimum Support Price. It is a part of agricultural policies in India that provides for the minimum price of the crops that ensures that farmers do not undergo huge losses due to fluctuation of the prices of the crops.

**Question 51 :**

AB is a chord of a circle with centre O and P is any point on the circle. If  $(\text{ngle})\text{APB} = 122^\circ$ , then what is the measure of  $(\text{ngle})\text{OAB}$ ?

Difficulty : Moderate

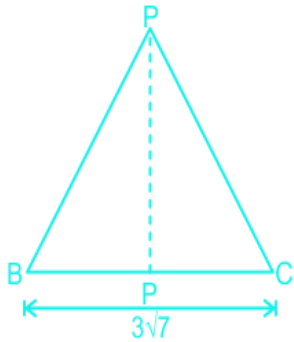
Average Time : 52 Seconds

**Options :**

1.  $32^\circ$
2.  $15^\circ$
3.  $22^\circ$
4.  $28^\circ$

**Solution :**

The correct answer is **option 1** i.e.  $32^\circ$



APBQ is a cyclic quadrilateral,

$$\angle APB + \angle AQB = 180$$

$$\angle AQB = 180 - 122 = 58$$

$$\angle AOB = 2 \times 58 = 116^\circ.$$

Now in triangle AOB,

$$\angle OAB = (180 - 116)/2 \text{ (OA = OB)}$$

$$\angle OAB = 32^\circ.$$

### Question 52 :

In a triangle PQR, point E and F are on sides PQ and PR respectively such that EF is parallel to QR. If PE = 2 cm and EQ = 3 cm, then  $\text{area}(\Delta PQR) : \text{area}(\Delta PEF)$  is equal to:

Difficulty : Moderate

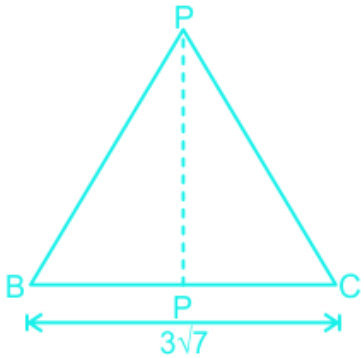
Average Time : 61 Seconds

### Options :

1. 3 : 2
2. 25 : 4
3. 5 : 2
4. 9 : 4

### Solution :

The correct answer is **option 2** i.e. **25 : 4**.



$$PQ = 2 + 3 = 5 \text{ cm.}$$

Here it is given that  $EF \parallel QR$  then one can say that  $\triangle PEF$  is similar to  $\triangle PQR$ .

$$\text{area}(\triangle PQR) : \text{area}(\triangle PEF) = (5 : 2)^2$$

$$\text{area}(\triangle PQR) : \text{area}(\triangle PEF) = 25 : 4.$$

**Question 53 :**

The average weight of a certain number of students in a class is 55.5 kg. If 4 students with average weight 60 kg join the class, then the average weight of all students in the class increases by 360 g. The number of students in the class.

**Difficulty : Moderate**

**Average Time : 62 Seconds**

**Options :**

1. 46
2. 31
3. 41
4. 36

**Solution :**

The correct answer is **option 1** i.e. **46**

Let the number of people be 'n'.

The sum of the weights of n students =  $55.5 \times n = 55.5n$ .

Sum of the weights of 4 student =  $4 \times 60 = 240$ .

New average =  $55.5 + .36 = 55.86$

Now according to the question,

$$55.5n + 240 = 55.86n + 223.44.$$

$$.36n = 16.56$$

$$n = 46.$$

**Question 54 :**

The area of a triangular plot having sides 12 m, 35 m and 37 m is equal to the area of a rectangular field whose sides are in the ratio 7 : 3. The perimeter (in m) of the field is:

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

1.  $20\sqrt{10}$
2.  $20\sqrt{5}$
3.  $24\sqrt{10}$
4.  $24\sqrt{5}$

**Solution :**

The correct answer is **option 1** i.e.  $20\sqrt{10}$

As we can see that, 12 - 35 - 37 is a Pythagorean triplet then one can say that it is a right-angle triangle.

$$\text{Area of the triangle} = \frac{1}{2} \times 12 \times 35 = 210 \text{ cm}^2$$

$$\text{Area of the rectangular field} = L \times B$$

$$7x \times 3x = 210$$

$$21x^2 = 210$$

$$x = \sqrt{10} \text{ cm.}$$

$$\text{Perimeter of the rectangular field} = 2(l + b)$$

$$= 2(10x)$$

$$= 20x$$

$$= 20 \times \sqrt{10} = 20\sqrt{10} \text{ cm.}$$

**Question 55 :**

Two circles of radius 15 cm and 37 cm intersect each other at the points A and B. If the length of common chord is 24 cm, what is the distance (in cm) between the centres of the circles?

Difficulty : Moderate

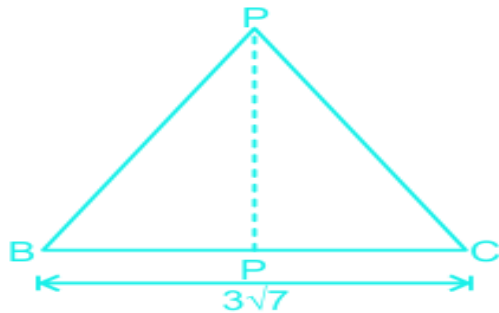
Average Time : 70 Seconds

Options :

1. 44
2. 45
3. 42
4. 40

Solution :

The correct answer is **option 1** i.e. 44



OA = 15cm and O'A = 37cm.

AB = 24 cm then AC = 24/2 = 12 cm.

In  $\triangle AOC$  by using Pythagoras theorem we get,

$$OC^2 = OA^2 - AC^2$$

$$OC^2 = 225 - 144 = 81$$

$$OC = 9 \text{ cm}$$

In  $\triangle AO'C$  by using Pythagoras theorem we get,

$$O'C^2 = O'A^2 - AC^2$$

$$O'C^2 = 1369 - 144 = 1225$$

$$O'C = 35.$$

$$OO' = 9 + 35 = 44 \text{ cm.}$$

**Question 56 :**

If  $x - y = 4$  and  $x^3 - y^3 = 316$ ,  $y > 0$  then the value of  $x^4 - y^4$  is:



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

1. 2500
2. 2320
3. 2401
4. 2482

**Solution :**The correct answer is **option 2** i.e. **2320**

$$x - y = 4 \dots \dots \dots (1)$$

on cubing both sides we get,

$$x^3 - y^3 - 3xy(x - y) = 64$$

$$-12xy = 64 - 316$$

$$xy = 21(7 \times 3) \dots \dots \dots (2)$$

By eq one and 2 we get,

$$x = 7 \text{ and } y = 3.$$

$$x^4 - y^4 = 7^4 - 3^4 = 2401 - 81 = 2320.$$

**Question 57 :**The number  $823p2q$  is exactly divisible by 7, 11 and 13. What is the value of  $(p - q)$ ?**Difficulty : Moderate****Average Time : 49 Seconds****Options :**

1. 8
2. 5
3. 11
4. 3

**Solution :**

The correct answer is **option 2** i.e. **5**.

If a number is divisible by 7, 11 and 13 then it must be a multiple of 1001.

$$pqr \times 1001 = pqrpqr.$$

823p2q can be written as 823823 then it will be divisible by 1001.

On comparing then we get,

$$p = 8 \text{ and } q = 3$$

$$p - q = 8 - 3 = 5.$$

**Question 58 :**

In the table, production and sale (in 1000 tonnes) of a certain product of a company over 5 years is given. Study the table and answer the question. Years Production (in 1000 tonnes) Sale (in 1000 tonnes) 2015 1250 1000 2016 1400 1290 2017 1450 1100 2018 1500 1450 2019 1600 1390 In which year(s) sale is 80% or more but less than 90% of the production?

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

1. 2016, 2018
2. 2019
3. 2015, 2016
4. 2015, 2019

**Solution :**

The correct answer is **option 4** i.e. **2015, 2019**.

Years	Production (in 1000 tonnes)	Sale (in 1000 tonnes)
2015	1250	1000
2016	1400	1290
2017	1450	1100
2018	1500	1450
2019	1600	139

$$\text{For 2015} = \text{sale/production} \times 100 = 1000/1250 \times 100 = 80\%$$

For 2016 =  $1290/1400 \times 100 = 92.14\%$

For 2017 =  $1100/1450 \times 100 = 75.86\%$

For 2018 =  $1450/1500 \times 100 = 96.66\%$

For 2019 =  $1390/1600 \times 100 = 86.875\%$

One can clearly see that the sale is 80% or more but less than 90% of the production for 2015 and 2019.

**Question 59 :**

The value of  $\frac{\tan 13^\circ \tan 36^\circ \tan 45^\circ \tan 54^\circ \tan 77^\circ}{2 \sec^2 60^\circ (\sin^2 60^\circ - 3 \cos 60^\circ + 2)}$  is:

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

1.  $\frac{1}{10}$
2.  $-\frac{1}{4}$
3.  $\frac{1}{4}$
4.  $-\frac{1}{10}$

**Solution :**

The correct answer is **option 1** i.e.  $\frac{1}{10}$

$$= \frac{\tan 13^\circ \tan 36^\circ \tan 45^\circ \tan 54^\circ \tan 77^\circ}{2 \sec^2 60^\circ (\sin^2 60^\circ - 3 \cos 60^\circ + 2)}$$

$$= \frac{\tan 13^\circ \times \tan 36^\circ \times \tan 45^\circ \times \cot 36^\circ \times \cot 13^\circ}{2 \times 4 \left( \frac{3}{4} - \frac{3}{2} + 2 \right)}$$

$$= \frac{1}{8 \left( \frac{5}{4} \right)}$$

$$= \frac{1}{10}$$

**Question 60 :**

Study the following table and answer the question: Percentage of marks obtained by six students A, B, C, D, E and F in five subjects. Subjects Students English (Out of 50) Math (Out of 150) Science (Out of 80) Hindi (Out of 75) Social Studies (Out of 100) A 70 90 65 64 88 B 84 92 75 68 49 C 66 80 85 80 84 D 62 74 75 88 60 E 54 64 55 72 85 F 72 84 65 60 65 What are the average marks of students B, C, D and F in Math?

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

1. 125.5



82.5

3. 123.75

4. 120.75

**Solution :**

The correct answer is **option 3** i.e. **123.75**

Marks of B in Math = 92% of 150 = 138

Marks of C in Math = 80% of 150 = 120

Marks of D in Math = 74% of 150 = 111

Marks of F in Math = 84% of 150 = 126

Average of these marks =  $(138 + 120 + 111 + 126)/4 = 123.75$

**Question 61 :**

Hari suffered a loss of 8% by selling an article. If he had sold it for Rs. 300 more, he would have made a profit of 4%. find his CP (in Rs.)?

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

1. 2400

2. 2250

3. 2575

4. 2500

**Solution :**

The correct answer is **option 4** i.e. **2500**

Let the CP of an article be  $100x$ .

SP of an article =  $100x \times 92/100 = 92x$ .

SP of an article at the gain of 4% =  $100x \times 104/100 = 104x$ .

According to the question,

$$104x - 92x = 300$$



$$12x = 300$$

$$x = 25$$

$$CP = 100 \times 25 = 2500.$$

**Question 62 :**

Two numbers are in the ratio 2 : 3. If 5 is subtracted from the first number and six is added to the second number, then the ratio becomes 5 : 12. What would the ratio become when eight is added to each number?

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

1. 19 : 14
2. 14 : 19
3. 11 : 14
4. 14 : 11

**Solution :**

The correct answer is **option 2** i.e. **14 : 19**

Let the two numbers be  $2a$  and  $3a$ .

Now according to the question,

$$(2a - 5)/(3a + 6) = 5 : 12$$

$$24a - 60 = 15a + 30$$

$$9a = 90$$

$$a = 10$$

Required number become, 20 and 30

$$\text{Required ratio} = (20 + 8) : (30 + 8)$$

$$= 28 : 38$$

$$= 14 : 19.$$

**Question 63 :**

The price of a one-gram gold coin decreased by 10% on its initial price on Monday and increased by 20% on Tuesday and again increased by 8% on Wednesday and 5% on Thursday. If the final price on Thursday is Rs. 5511.24, then the initial



price (in Rs.) of one gram gold coin on Monday was?

**Difficulty : Moderate**

**Average Time : 52 Seconds**

**Options :**

1. 4000
2. 4250
3. 4500
4. 5000

**Solution :**

The correct answer is **option 3** i.e. **4500**.

Let the initial price be  $x$

According to the question,

The price of a one-gram gold coin decreased by 10% on its initial price on Monday and increased by 20% on Tuesday and again increased by 8% on Wednesday and 5% on Thursday.

$$x \times .9 \times 1.2 \times 1.08 \times 1.05 = 5511.24$$

$$x = 4500$$

**Question 64 :**

A boat goes 30 km upstream in 3 hours and downstream in 1 hour. How much time (in hours) will this boat take to cover 60 km in still water?

**Difficulty : Moderate**

**Average Time : 48 Seconds**

**Options :**

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

**Solution :**

The correct answer is **option 2** i.e. **3**.

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

A boat goes 30 km upstream in 3 hours,

$$30/(a - b) = 3$$

$$a - b = 10 \dots \dots \dots (1)$$

A boat goes 30 km downstream in 1 hour,

$$a + b = 30/1 = 30 \dots \dots \dots (2)$$

On solving eq (1) and (2) we get.

$$2a = 40$$

$$a = 20 \text{ km/hr and } b = 10 \text{ km/hr.}$$

Time taken by boat to cover 60 km =  $60/20 = 3$  hours

**Question 65 :**

Table shows District - wise data of number of primary school teachers posted in schools of a city. Study the table and answer the question. District Male teachers Female teachers East 1650 2375 North 1075 2651 West 1280 1520 South 1170 1085 Central 690 859 In which district(s) is the number of female teachers Exceed the number of male teachers by more than 500?

**Difficulty : Moderate**

**Average Time : 64 Seconds**

**Options :**

1. West and South
2. East and North
3. North and South
4. East and West

**Solution :**

The correct answer is **option 2** i.e. **East and North.**

$$\text{East} = 2375 - 1650 = 725.$$

$$\text{North} = 2651 - 1075 = 1576$$

$$\text{West} = 1520 - 1280 = 240$$

South = In this case males are more than female.

$$\text{Central} = 859 - 690 = 169.$$



**Question 66 :**

Simplify the following expression:  $8 \div 4 \text{ of } 2 - 15 \div 2 \text{ of } 5 - 6 \div 5 \times (-7 + 5) \text{ of } 2$

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

1.  $-\frac{1}{5}$
2.  $31\frac{7}{10}$
3.  $7\frac{3}{10}$
4.  $4\frac{3}{10}$

**Solution :**

The correct answer is **option 4** i.e.  $4\frac{3}{10}$

$$= 8 \div 4 \text{ of } 2 - 15 \div 2 \text{ of } 5 - 6 \div 5 \times (-7 + 5) \text{ of } 2$$

$$= 8 \div 8 - 15 \div 10 - 6 \div 5 \times -4$$

$$= 1 - \frac{3}{2} + \frac{24}{5}$$

$$= 1 - \frac{3}{2} + \frac{24}{5}$$

$$= \frac{43}{10}$$

$$= 4\frac{3}{10}.$$

**Question 67 :**

Study the following table and answer the question: Percentage of marks obtained by six students A, B, C, D, E and F in five subjects. Subjects Students English (Out of 50) Math (Out of 150) Science (Out of 80) Hindi (Out of 75) Social Studies (Out of 100) A 70 90 65 64 88 B 84 92 75 68 49 C 66 80 85 80 84 D 62 74 75 88 60 E 54 64 55 72 85 F 72 84 65 60 65

The total marks obtained by student F in English, Science and Hindi is approximately what percent of the total marks obtained by student A in English, Mathematics, Science and Hindi? (Correct to one decimal place)

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

1. 50.2
2. 49.3
3. 48.4



**45.5****Solution :**

The correct answer is **option 2** i.e. **49.3**

The total marks obtained by student F in English, Science and Hind = 72% of 50 + 65% of 80 + 60% of 75 = 36 + 52 + 45 = 133.

The total marks obtained by student A in English, Mathematics, Science and Hindi = 70% of 50 + 90% of 150 + 65% of 80 + 64% of 75 = 35 + 135 + 52 + 48 = 270

Required % =  $133/270 \times 100 = 49.3\%$ .

**Question 68 :**

A loan is to be returned in two equal yearly installments. If the rate of interest is 10% p.a. compounded annually and each installment is Rs. 6534 then, the total interest charged (in Rs.) is:

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

1. 1642
2. 1579
3. 1728
4. 1867

**Solution :**

The correct answer is **option 3** i.e. **1728**.

We know that,

$$P = 1/(1 + R/100) + 1/(1 + R/100)^2$$

$$P = 6534/1.1 + 6534/1.21$$

$$P = (5940 + 5400) = 11340$$

$$\text{Interest earned} = (2 \times 6534 - 11340) = 1728$$

**Question 69 :**

What is the coefficient of x in the expansion of  $(3x - 4)^3$ ?

**Difficulty : Moderate****Average Time : 35 Seconds**

**Options :**

1. 108
2. -108
3. 144
4. -144

**Solution :**

The correct answer is **option 3** i.e. **144**

We know that,

$$(x - a)^3 = x^3 - a^3 - 3ax^2 + 3a^2x \text{ (where } a \text{ is the constant)}$$

$$\text{Coefficient of } a = 3a^2x$$

$$\text{Coefficient of } a = 3 \times 16 \times 3 = 144.$$

**Question 70 :**

The value of  $\sin^2 60^\circ \cos^2 45^\circ + 2 \tan^2 60^\circ - \operatorname{cosec}^2 30^\circ$  is equal to:

**Difficulty : Moderate**

**Average Time : 45 Seconds**

**Options :**

1.  $\frac{17}{24}$
2.  $\frac{19}{8}$
3.  $-\frac{17}{24}$
4.  $-\frac{19}{8}$

**Solution :**

The correct answer is **option 2** i.e.  $\frac{19}{8}$

$$= \sin^2 60^\circ \cos^2 45^\circ + 2 \tan^2 60^\circ - \operatorname{cosec}^2 30^\circ$$

$$= \frac{3}{4} \times \frac{1}{2} + 6 - 4$$

$$= \frac{3}{8} + 2$$

$$= \frac{19}{8}.$$

**Question 71 :**

The side of an equilateral ( $\Delta$ ) ABC =  $3(\sqrt{7})$  cm, P is a point on side BC such that BP : PC = 1 : 2. The length (in cm)

of AP is:

Difficulty : Moderate

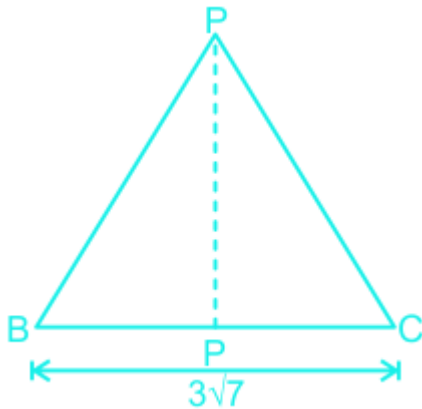
Average Time : 48 Seconds

Options :

1. 6
2. 7
3.  $7\sqrt{3}$
4.  $6\sqrt{3}$

Solution :

The correct answer is **option 2** i.e. 7.



$$BP : PC = 1 : 2$$

$$BP = \frac{1}{3} \times BC = \sqrt{7}$$

Now in  $\Delta ABP$ ,

$$\cos 60 = \frac{AB^2 + BP^2 - AP^2}{2 \times AB \times BP}$$

$$\frac{1}{2} = \frac{63 + 7 - AP^2}{2 \times 21}$$

$$AP = 7 \text{ cm.}$$

**Question 72 :**

The marked price of an article of Rs. 5320. It is subject to two successive discounts, the first being 15% and the second at a rate of 20% of the first. What is the selling price (to nearest Rs.) of the article?

Difficulty : Moderate

Average Time : 59 Seconds

**Options :**

1. Rs. 4522
2. Rs. 4127
3. Rs. 4000
4. Rs. 4386

**Solution :**

The correct answer is **option 4** i.e. **Rs. 4386**.

SP of the article after a discount of 15%

$$SP = 5320 \times 85/100 = 4522$$

Next discount = 20% of 15% = 3%

$$SP \text{ after the discount of } 3\% = 4522 \times 97/100 = 4386.$$

**Question 73 :**

The value of  $\sec^4(\theta)(1 - \sin^4(\theta)) - 2\tan^2(\theta)$  is:

**Difficulty : Moderate****Average Time : 38 Seconds****Options :**

1.  $\frac{1}{2}$
2. 1
3. -1
4. 0

**Solution :**

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

Here it is given that,

$$\begin{aligned} &= \sec^4(\theta)(1 - \sin^4(\theta)) - 2\tan^2(\theta) \\ &= 1/\cos^4(\theta)(1 - (\sin^2(\theta))^2) - 2 \times \sin^2(\theta)/\cos^2(\theta) \\ &= 1/\cos^2(\theta)(1 - \sin^2(\theta)) \times (1 + \sin^2(\theta))(1 - \sin^2(\theta)) - 2 \times \sin^2(\theta)/\cos^2(\theta) \\ &= (1 + \sin^2(\theta))/\cos^2(\theta) - 2 \times \sin^2(\theta)/\cos^2(\theta) \end{aligned}$$

$$\begin{aligned} &= (1 + \sin^2(\theta) - 2\sin^2(\theta)) / \cos^2(\theta) \\ &= \cos^2(\theta) / \cos^2(\theta) \\ &= 1. \end{aligned}$$

**Question 74 :**

If  $x + y + z = 3$ ,  $xy + yz + zx = -12$  and  $xyz = -16$ , then the value of  $(\sqrt{x^3+y^3+z^3+13})$  is:

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

- 1. 9
- 2. 8
- 3. 10
- 4. 11

**Solution :**

The correct answer is **option 3** i.e. **10**.

It is given that  $x + y + z = 3$ ,

On squaring both sides we get,

$$x^2 + y^2 + z^2 + 2(xy + yz + zx) = 9$$

$$x^2 + y^2 + z^2 = 9 + 24 = 33.$$

$$x^3 + y^3 + z^3 - 3xyz = (x + y + z)[x^2 + y^2 + z^2 - (xy + yz + zx)]$$

$$x^3 + y^3 + z^3 - 3xyz = 3 \times (33 + 12)$$

$$x^3 + y^3 + z^3 - 3 \times -16 = 3 \times 45$$

$$x^3 + y^3 + z^3 = 135 - 48 = 87$$

$$\sqrt{x^3+y^3+z^3+13}$$

$$= \sqrt{87 + 13} = 10.$$

**Question 75 :**

A can do a piece of work in 2 days, and B can do five times the same work in 15 days when they work for ten hours a day. If they work together, then how many hours in addition to a days of work will they require to complete the work?



Difficulty : Moderate

Average Time : 76 Seconds

Options :

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

Solution :

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

A and B work for 10 hours a day

A complete the work in 2 days, means A work for 20 hours

B completed 5 times the same work in 15 days, which means B completes the same work in 3 days

B work for 30 hours

Total work = LCM of (20 and 30) = 60 units

The efficiency of A =  $60/20 = 3$  units/hour

The efficiency of B =  $60/30 = 2$  units/hour

Total efficiency =  $3 + 2 = 5$  units/hour

Time taken by them to complete 60 units of work =  $60/5 = 12$  hours

Extra time devoted =  $12 - 10 = 2$  hours

Question 76 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Dissappoint
2. Discourage
3. Desperate
4. Disastrous

**Solution :**

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

- The correct spelling of the word '**Dissapoint**' is '**Disappoint**'.
- All the other words are correctly spelt.

**The correct answer is-**

**Dissapoint**

**Question 77 :**

Select the option that can be used as a one-word substitute for the given group of words. A person appointed by two parties to solve a dispute.

**Difficulty : Moderate**

**Average Time : 45 Seconds**

**Options :**

1. **Anarchist**
2. **Atheist**
3. **Arbitrator**
4. **Auditor**

**Solution :**

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

- **The meaning of the options given are as follows.**

1. **Anarchist:** A person who believes in or tries to bring about anarchy.
2. **Atheist:** A person who disbelieves or lacks belief in the existence of God or gods.
3. **Arbitrator:** An independent person or body officially appointed to settle a dispute.
4. **Auditor:** A person who conducts an audit.

Clearly the meaning of the word '**Arbitrator**' is similar.

**The correct answer is-**

**Arbitrator**

**Question 78 :**

Select the option that will improve the underlined part of the given sentence. In case no improvement is needed select 'No improvement required'. He will lose all his wealth if he doesn't mends his ways.



Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. No improvement required
2. do not mend
3. doesn't mend
4. don't mends

Solution :

The correct answer is **option 3** i.e. **doesn't mend**

- In the underlined part **the third person present singular form of the verb** is **incorrect** i.e. 'mends'
- **Does** is a helping verb and is followed by the main verb.
- In case of a **helping verb, the main verb** is never marked for tense
- The verb following the helping verb should be use in their basic form.

Hence, the correct sentence is " He will lose all his wealth if he **doesn't mend** his ways.

The correct answer is-

**doesn't mend**

Question 79 :

Select the most appropriate ANTONYM of the given word. Sabotage

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Create
2. Damage
3. Cripple
4. Destroy

Solution :

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

- The word '**Sabotage**' means **destroying something**.
- The meaning of the options are as follows.





- Create:** Bring into existence.
- Damage:** Physical harm that impairs the value.
  - Cripple:** Cause severe and disabling damage to
  - Destroy:** End the existence of by damaging or attacking it.

Clearly the word '**Sabotage**' and '**Create**' have an opposite meaning.

The correct answer is-

**Create**

**Question 80 :**

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. There lived a foolish king in a large kingdom. B. He thought that it will be a good joke. C. He did not realise that what he thought of as a joke would cost him heavily. D. The king once decided to throw all his ministers in prison for a day.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

- DABC
- ADBC
- ACBD
- ABCD

**Solution :**

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

- The sentence **A** is the starting sentence as it is giving **general information** about the king
- The next will be sentence **D** as it **gives information about what the king decided to do with his ministers.**
- Sentence **B** will be next as it tells that **the king decided to put his ministers in prison.**
- The concluding part will be sentence **C** as it tells that **the king was unaware of the consequences of the decision he took as a joke.**

The correct answer is-

*There lived a foolish king in a large kingdom. The king once decided to throw all his ministers in prison for a day. He thought that it will be a good joke. He did not realise that what he thought of as a joke would cost him heavily.*

**Question 81 :**

Select the most appropriate synonym of the given word. Spill



Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Drop
2. Filter
3. Feather
4. Absorb

Solution :

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

- The word '**Spill**' means **cause or allow to flow especially unintentionally**.
- The meaning of all the options are as follows

1. **Drop**: Fall vertically
2. **Filter**: A porous device for removing impurities or solid particles from a liquid or gas passed through it.
3. **Feather**: Rotate the blades of (a propeller) about their own axes in such a way as to lessen the air or water resistance.
4. **Absorb**: Take in or soak up by chemical or physical action.

Clearly the synonym to the word '**Spill**' is '**Drop**'.

The correct answer is-

**Drop**

Question 82 :

Select the most appropriate option to fill in the blank. In addition to understanding the specific issue to be tackled, the sub-committee examined the larger \_\_\_\_\_ on the problem.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. perception
2. perspective
3. proportion
4. prospective

**Solution :**

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

- This sentence talks about **looking at a specific issue in a broader way**.
- Hence, the most appropriate option is '**perspective**' which means 'a particular attitude towards or way of regarding something; a point of view'.

The correct answer is-

**perspective**

**Question 83 :**

Select the most appropriate meaning of the given idiom. Through thick and thin

Difficulty : Moderate

Average Time : 47 Seconds

**Options :**

1. With humility
2. With ego and pride
3. With all kinds of people
4. Under all conditions

**Solution :**

The correct answer is **option 4** i.e. **Under all conditions**

- The meaning of the above idiom is "**under all circumstances, no matter how difficult**".
- Hence, the most appropriate option is 'Under all conditions'.

The correct answer is-

**Under all conditions**

**Question 84 :**

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. I never miss / a cricket match / as I am fond of cricket / from childhood.

Difficulty : Moderate

Average Time : 54 Seconds

**Options :**

1. from childhood
2. I never miss



as I am fond of cricket

4. a cricket match

### Solution :

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

- The use of the preposition '**from**' is incorrect in the sentence.
- The use of the word '**childhood**' tells about the time when you were a child.
- Therefore the preposition '**since**' should be used as preposition '**from** is used to show direction, time, place.
- The preposition '**since**' is used to **tell about a particular time in the past.**

Hence, the correct sentence is "I never miss a cricket match as I am fond of cricket **since childhood.**

The correct answer is-

*from childhood*

### Question 85 :

Select the most appropriate ANTONYM of the given word. Lavish

Difficulty : Moderate

Average Time : 66 Seconds

### Options :

1. Moderate
2. Grand
3. Generous
4. Excessive

### Solution :

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

- The word **Lavish** means **sumptuously rich, elaborate, or luxurious.**
  - The meaning of all the options are
1. **Moderate:** Average in amount, intensity, quality, or degree.
  2. **Grand:** Magnificent and imposing in appearance.
  3. **Generous:** Showing a readiness to give more of something.
  4. **Excessive:** More than is necessary, normal, or desirable; immoderate.



Clearly the **Moderate** is the one that has an opposite meaning to the word **Lavish**.

The correct answer is-

*Moderate*

**Question 86 :**

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Unison
2. Liaison
3. Ocassion
4. Vehemence

**Solution :**

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

- In the above options '**ocassion**' is incorrectly spelt. It's correct spelling is '**Occasion**' which means a particular event, or the time at which it takes place.
- All the other options are correctly spelt and have following meanings.
  1. **Unison**: Simultaneous performance or utterance of action or speech.
  2. **Liaison**: Communication or cooperation which facilitates a close working relationship between people or organizations.
  3. **Vehemence**: Great forcefulness or intensity of feeling or expression.

The correct answer is-

*Ocassion*

**Question 87 :**

Select the option that expresses the given sentence in reported speech. The French scientist said, "I want to study how bees and wasps find their way home."

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. The French scientist said that he wants to study how bees and wasps found your way home.



he French scientist said that I want to study how bees and wasps found their way home.

3. The French scientist said that he wanted to study how bees and wasps found their way home.

4. The French scientist said that I wanted to study how bees and wasps find their way home.

**Solution :**

The correct answer is **option 3** i.e. **The French scientist said that he wanted to study how bees and wasps found their way home.**

- The above sentence is in **direct speech**.
- The basic rules for changing the direct speech into reported speech are as follows.

1. The **commas, inverted commas** are replaced and **that** is added.
2. The **first person pronoun becomes the third person pronoun** i.e. **'I' will become 'he'**.
3. The **present simple tense will become past simple tense** i.e. **Sub+V(want)+object will change to Sub+V2(wanted)+object.**

Hence, the correct sentence in reported speech is "**The French scientist said that he wanted to study how bees and wasps found their way home**".

The correct answer is-

*The French scientist said that he wanted to study how bees and wasps found their way home.*

**Question 88 :**

Select the option that can be used as a one-word substitute for the given group of words. A group of people, typically with vehicles or animals travelling together.

Difficulty : Moderate

Average Time : 98 Seconds

**Options :**

1. Caravan
2. Cache
3. Battery
4. Cargo

**Solution :**

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

- The meaning of the options given are as follows.



- Caravan:** A vehicle equipped for living in, typically towed by a car and used for holidays.
- Cache:** A collection of items of the same type stored in a hidden or inaccessible place.
  - Battery:** A container consisting of one or more cells, in which chemical energy is converted into electricity and used as a source of power.
  - Cargo:** Goods carried on a ship, aircraft, or motor vehicle.

Clearly the one word substitute for the above sentence according to meaning is **Caravan**.

The correct answer is-

**Caravan**

**Question 89 :**

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. The shopkeeper would have fined her if he come to know that she damaged the toy on exhibit.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

- he came to know
- he comes to knew
- No substitution
- he came to knew

**Solution :**

The correct answer is **option 1** i.e. **he came to know**

- The above sentence is a **third conditional sentence**.
- When using the **third conditional** we use **past perfect** i.e. **had+ past participle** in the **if clause** whereas **could, should etc+ have+past participle in the main clause**.
- The simple present form of the verb used in the underlined part is **incorrect** i.e. **'come'**.
- Therefore the past perfect form of the verb **'came'** should be used.

Hence, the correct sentence is "**The shopkeeper would have fined her if he came to know that she damaged the toy on exhibit**".

**Question 90 :**

Select the most appropriate synonym of the given word. Breakthrough

Difficulty : Moderate

Average Time : 65 Seconds



## Options :

1. Discovery
2. Disaster
3. Coincidence
4. Accident

## Solution :

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

- The word **Breakthrough** means **an important discovery**.
- **The meaning of all the other words are as follows.**

1. **Disaster:** A sudden accident or a natural catastrophe that causes great damage or loss of life.
2. **Coincidence:** A remarkable concurrence of events or circumstances without apparent causal connection.
3. **Accident:** An unfortunate incident that happens unexpectedly and unintentionally.
4. **Discovery:** An act of finding out or learning of for the first time.

Clearly **Discovery** is the synonym of **breakthrough**.

The correct answer is-

**Discovery**

## Question 91 :

Select the option that expresses the given sentence in passive voice. They didn't repair my phone yesterday.

Difficulty : Moderate

Average Time : 67 Seconds

## Options :

1. My phone did not get repaired yesterday by them.
2. My phone was not repaired yesterday by them.
3. My phone could not be repaired yesterday by them.
4. My phone had not been repaired yesterday by them

## Solution :

The correct answer is **option 2** i.e. **My phone was not repaired yesterday by them**.

- In active voice the emphasis is on **the subject and the performance of the action**.





In passive voice the emphasis is on **the object or the action**.

- When we convert active voice into passive **the subject becomes the object while the object becomes the subject** i.e. 'They' will become 'them'.
- **The active form** i.e. V2 (did+repair) will be converted to was+V3

The correct answer is-

*My phone was not repaired yesterday by them.*

### Question 92 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. One of / the biggest enterprise / in India / is declaring a lockout.

Difficulty : Moderate

Average Time : 72 Seconds

### Options :

1. is declaring a lockout
2. in India
3. the biggest enterprise
4. One of

### Solution :

The correct answer is **option 3** i.e. **the biggest enterprise**.

- In the given sentence the singular form of noun '**enterpruse**' is incorrect.
- Phrase '**one of**' is a **singular term and is used to talk about noun**.
- Whenever we talk about **one person, place or thing the noun or pronoun** used after the phrase '**one of**' should be **plural form**.
- Hence instead of singular form, plural form of noun '**enterprise**' should be used.
- Also the helping verb will always be in singular form in this case '**is**'.

Hence the correct sentence is "One of **the biggest enterprises** in India is declaring a lockout.

The correct answer is-

*the biggest enterprise*

### Question 93 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. Sculpture and painting form an integral part of temple architecture. B. The city is visited by thousands curious to see the temple in the form of a chariot. C. The finest example of this is Konark Temple in Puri. D. The



chariot with immense wheels and horses is carved from stone.

Difficulty : Moderate

Average Time : 89 Seconds

Options :

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

Solution :

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

- The sentence **A** talks about the **general information and is independent of all the other sentences hence, it will be the first sentence in the paragraph.**
- The next sentence will be **C** as it is **giving information about the finest temple architecture.**
- The next will be sentence **B** as it **talks about the curiosity behind the visit of people to the city of Puri.**
- The concluding part will be sentence **D** as it **gives information about the material used to carve the chariot shaped temple.**

The correct answer is-

*Sculpture and painting form an integral part of temple architecture. The finest example of this is Konark Temple in Puri. The city is visited by thousands curious to see the temple in the form of a chariot. The chariot with immense wheels and horses is carved from stone.*

Question 94 :

Select the most appropriate meaning of the given idiom. On the horizon

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. A plan for the distant future
2. The successful beginning of a business venture
3. An event that is likely to end soon
4. An event that is likely to happen soon

Solution :

The correct answer is **option 4** i.e. **An event that is likely to happen soon**

- The given idiom means **something that is going to happen real soon.**
- Hence, the most appropriate option is **'An event that is likely to happen soon'.**

The correct answer is-

***An event that is likely to happen soon***

### Question 95 :

Select the most appropriate option to fill in the blank. Do not \_\_\_\_\_ him; he has done no harm to you.

Difficulty : Moderate

Average Time : 56 Seconds

### Options :

1. assure
2. admit
3. accuse
4. admire

### Solution :

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

- The given sentence clearly talks about **not blaming someone.**
- The most appropriate word will be **'accuse'** which means **charge someone with an offence or crime.**
- **The meaning of all the other words are as follows.**

1. **assure:** Tell someone something positively to dispel any doubts.
2. **admit:** Confess to be true or to be the case.
3. **admire:** Regard with respect or warm approval.

Hence, the complete sentence is **"Do not accuse him; he has done no harm to you".**

The correct answer is-

**accuse**

### Comprehension :

Directions: 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. The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content that can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**Question 96 :**

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

Difficulty : Moderate

Average Time : 81 Seconds

**Options :**

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

**Solution :**

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

- The whole sentence revolves around the watermelon and its benefits, especially in Summer.
- Here, the sentence is talking about watermelon but not any specific watermelon.
- Thus, the most correct option is "a".

**Hence, the correct sentence is:**

The muskmelon is (1) **a** perfect summer (2) **companion**. It is (3) **rich** in water content that can help (4) **take** care of our (5) **body's** fluid loss that we suffer in the hot season.

**Comprehension :**

Directions: 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. The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content which can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**Question 97 :**

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

Difficulty : Moderate

Average Time : 72 Seconds

**Options :**

1. disaster
2. enemy
3. companion

hazard

**Solution :**

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

- The whole sentence revolves around the watermelon and its benefits, especially in Summer.
- The specific sentence talks about watermelon being a perfect partner in summer.
- Among the given option, the companion is the most suitable answer to the given blank.

**Hence, the correct sentence is:**

The muskmelon is (1) **a** perfect summer (2) **companion**. It is (3) **rich** in water content that can help (4) **take** care of our (5) **body's** fluid loss that we suffer in the hot season.

**Comprehension :**

Directions: 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. The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content which can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**Question 98 :**

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

**Difficulty : Moderate**

**Average Time : 73 Seconds**

**Options :**

1. lengthy
2. poor
3. wide
4. rich

**Solution :**

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

- The whole sentence revolves around the watermelon and its benefits, especially in Summer.
- The specific sentence talks about the amount of water content in water content.
- Among the given option, rich is the most suitable answer to the given blank.

**Hence, the correct sentence is:**

The muskmelon is (1) **a** perfect summer (2) **companion**. It is (3) **rich** in water content that can help (4) **take** care of our (5) **body's** fluid loss that we suffer in the hot season.

**Comprehension :**

Directions: 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. The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content which can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**Question 99 :**

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

Difficulty : Moderate

Average Time : 73 Seconds

**Options :**

1. took
2. take
3. like
4. look

**Solution :**

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

- Since the whole paragraph talks about the benefits of watermelon in summer.
- Clearly, intake of watermelon especially in summer helps in taking care of the body and maintaining body fluids.

**Hence, the correct sentence is:**

The muskmelon is (1) **a** perfect summer (2) **companion**. It is (3) **rich** in water content that can help (4) **take** care of our (5) **body's** fluid loss that we suffer in the hot season.

**Comprehension :**

Directions: 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. The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content that can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**Question 100 :**

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

Difficulty : Moderate

Average Time : 70 Seconds

**Options :**

1. mind's

body's

3. heart's

4. health's

**Solution :**

The correct answer is **option 2** i.e. **body's**.

- Since the whole paragraph talks about the benefits of watermelon in summer.
- It helps in maintaining the loss of fluid in the body.

Hence, the correct sentence is:

The muskmelon is (1) a perfect summer (2) **companion**. It is (3) **rich** in water content that can help (4) **take** care of our (5) **body's** fluid loss that we suffer in the hot season.

## Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-20 in the Evening exam is as follows:

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

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

### General Awareness

1. Art And Culture - 25

### Logical Reasoning

1. Coding Decoding - 2
2. Analogy - 4
3. Classification - 3



- Blood Relations - 1
- 5. Syllogism - 1
- 6. Venn Diagrams - 1
- 7. Dictionary Based - 1
- 8. Figure Based - 5
- 9. Matrix - 1
- 10. Series - 3
- 11. Mathematical Reasoning - 2
- 12. Cubes And Dice - 1

## Quantitative Aptitude

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

## English Language

- 1. Synonym - 1
- 2. Incorrectly Spelt - 24
- 3. Incorrectly Spelt - 24

# 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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### About Neetu Mam

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