



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 2021-08-13 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 :

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

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Soil: Ornithology
2. Earthquakes: Pomology
3. Matter: Physics
4. Fossils: Pedology

Solution :

The correct answer is **Option 3** i.e. **Matter: Physics**

The logic used here is:

Handwriting: Graphology

Graphology is the study of human personality through writing.

Similarly,

Matter: Physics

The study of matter is called physics.

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

Question 2 :

Two different positions of the same dice are shown, the faces of which are marked with the letters E, F, G, H, I and J. Select the letter that will be on the face opposite to the face having the letter 'J'.

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

1. G
2. F
3. E
4. I

Solution :

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

Understanding

Given:

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

Clockwise direction:

Dice 1: E I H

Dice 2: E J G

So, J is opposite to I.

Anticlockwise direction:

Dice 1: E H I

Dice 2: E G J

So, I is opposite to J.

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

Question 3 :

'A + B' means 'A is the husband of B'. 'A % B' means 'A is the father of B'. 'A # B' means 'A is the mother of B'. If 'Y + Z #H % C # D + S', then which of the following statements is INCORRECT?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. C is the mother-in-law of S.
2. H is the maternal grandfather of D.
3. H is the son of Y.
4. Z is the maternal grandmother of C.

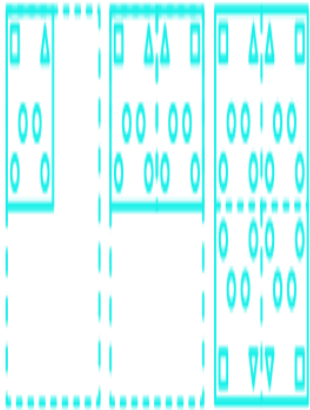
Solution :

The correct answer is **Option 4** i.e. **Z is the maternal grandmother of C.**

Understanding

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, Z is not the maternal grandmother of C.

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

Question 4 :

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. All rugs are blankets. 2. All blankets are pillows. 3. Some blankets are frames. Conclusions: I. All pillows are rugs. II. Some pillows are rugs. III. All rugs are frames.

Difficulty : Moderate

Average Time : 81 Seconds

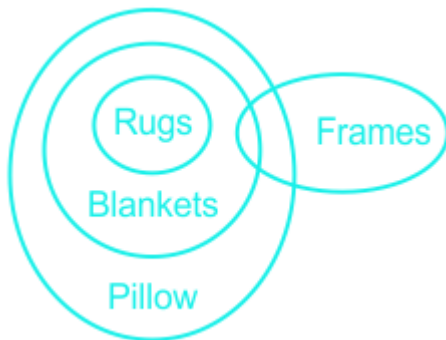
Options :

1. Only conclusion II follows
2. Neither conclusion II nor III follows
3. Either conclusion I or III follows
4. Both conclusions I and III follow

Solution :

The correct answer is **Option 1** i.e. **Only Conclusion II follows.**

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



Conclusions:

- I. All pillows are rugs **False** (As all rugs are blankets and all blankets are pillows so, some pillows are rugs.)
- II. Some pillows are rugs **True** (As all rugs are blankets and all blankets are pillows so, some pillows are rugs.)
- III. All rugs are frames **False** (It is possible but no definite conclusion can be drawn.)

Hence, **Only conclusion II follows.**

Question 5 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series.
UTMD, QXIH, MBEL, IFAP, ?



Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. EKXT
2. EKWU
3. EJWT
4. DJVT

Solution :

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

Given series: UTMD, QXIH, MBEL, IFAP, ?

The series follows the pattern:

UTMD, QXIH

U - 4 = Q

T + 4 = X

M - 4 = I

D + 4 = H

IFAP, ?

I - 4 = E

F + 4 = J

A - 4 = W

P + 4 = T

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

Question 6 :

Select the number from among the given options that can replace the question mark (?) in the following series. 27, 30, 37, 50, ?, 98

Difficulty : Moderate

Average Time : 52 Seconds



Options :

1. 78

2. 69

3. 82

4. 62

Solution :

The correct answer is **Option 2** i.e. **69**.

Given series: 27, 30, 37, 50, ?, 98

The series follows this pattern:

Prime numbers at the even positions are added.

Prime numbers: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29 and so on.

$$27 + 3 = 30$$

$$30 + 7 = 37$$

$$37 + 13 = 50$$

$$50 + 19 = 69$$

$$69 + 29 = 98$$

So, the missing term in the series is **69**.

Question 7 :

Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number. 13: 4:: 19: ?:: 16: 5

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 6

2. 2

3. 3

5

Solution :

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

The logic used here is:

13: 4

$4 \times 3 + 1 = 13$

16: 5

$5 \times 3 + 1 = 16$

Similarly,

19:?

$a \times 3 + 1 = 19$

$a \times 3 = 18$

$a = 6$

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

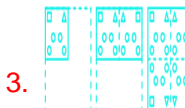
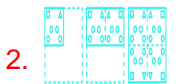
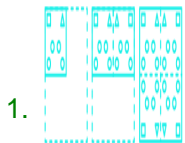
Question 8 :

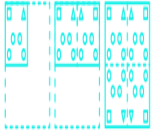
Select the option in which the given figure is embedded (rotation is NOT allowed)

Difficulty : Moderate

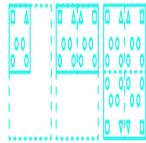
Average Time : 43 Seconds

Options :





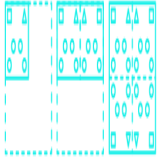
Solution :



The correct answer is **Option 1**

Understanding

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



Question 9 :

Select the option in which the numbers are related in the same way as are the numbers of the following set. (7, 52, 346)

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. (8, 67, 515)
2. (4, 19, 70)
3. (6, 39, 217)
4. (5, 25, 128)

Solution :

The correct answer is **Option 1** i.e. (8, 67, 515)

The logic used here is:

$$(7, 52, 346)$$

$$7^2 + 3 = 52$$

$$7^3 + 3 = 346$$

Similarly,

(8, 67, 515)

$$8^2 + 3 = 67$$

$$8^3 + 3 = 515$$

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

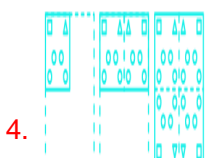
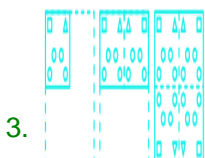
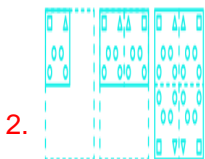
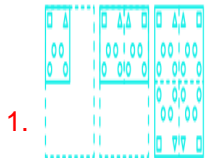
Question 10 :

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

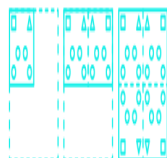
Difficulty : Moderate

Average Time : 43 Seconds

Options :



Solution :



The correct answer is **Option 3**.

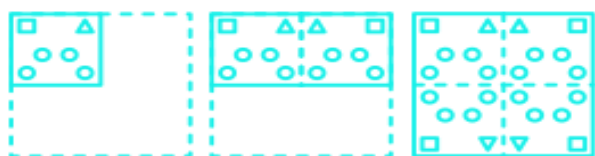
Understanding

The logic used here is:

The square-shaped image changes its position as well as rotates by 90 degrees in the clockwise direction.

The oval-shaped image in the figure changes its position by 180 degrees in the clockwise direction.

The series of figures:



Question 11 :

How many triangles are there in the given figure?

Difficulty : Moderate

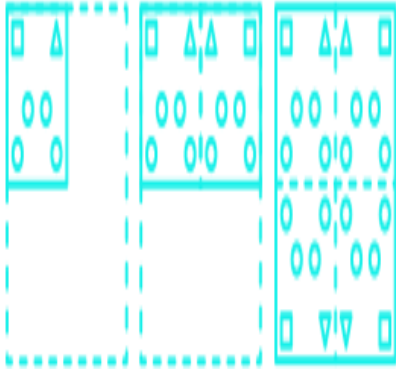
Average Time : 77 Seconds

Options :

- 1. 12
- 2. 8
- 3. 11
- 4. 15

Solution :

The correct answer is **Option 1** i.e. **12**.



12 triangles: ABC, ACD, ABD, AEF, AFG, AEG, AIH, AIJ, ALK, ALM, AHJ, AKM.

Question 12 :

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. Mumbai
2. Raipur
3. Ranchi
4. Ahmedabad

Solution :

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

The logic used here is:

Mumbai, Ranchi, and Raipur are the capital cities of Maharashtra, Jharkhand, and Chattisgarh whereas Ahmedabad is not a capital city.

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

Question 13 :

In a certain code language, 'CROW' is coded as '64' and 'EAGLE' is coded as '125'. How will 'PARROT' be coded in that language?

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

1. 216
2. 249
3. 88
4. 232

Solution :

The correct answer is **Option 1** i.e. **216**

The logic used here is:

'CROW' is coded as '64' and 'EAGLE' is coded as '125'

CROW = Number of letters = 4 = $4^3 = 64$

EAGLE = Number of letters = 5 = $5^3 = 125$

Similarly,

Code for the word PARROT:

PARROT = Number of letters = 6 = $6^3 = 216$

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

Question 14 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 25 64 81 23 41 38 18 33 ?

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

1. 17
2. 27
3. 19
4. 29

Solution :

The correct answer is **Option 4** i.e. **29**

The logic used here is:

Column 1:

$$23 - 25 = 23 - 5 = 18$$

Column 2:

$$41 - 64 = 41 - 8 = 33$$

Column 3:

$$38 - 81 = 38 - 9 = 29$$

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

Question 15 :

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

Difficulty : Moderate

Average Time : 43 Seconds

Options :

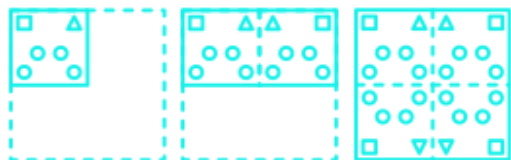
- 1.
- 2.
- 3.
- 4.

Solution :

The correct answer is **Option 3**.

Understanding

The mirror image of the question figure is shown below:



Note: Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the mirror. That means the left side of the figure will become the right side and vice versa.

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

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. Nascent: Young:: Adjunct:?

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. Against
2. Supportive
3. Functional
4. Rigid

Solution :

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

The logic used here is:

Nascent: Young

Nascent and Young are synonyms of each other.

Similarly,



Adjunct:?

Adjunct means a thing added to something else as a supplementary rather than an essential part.

Adjunct and supportive are synonyms for each other.

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

Question 17 :

In a training camp, three types of games hockey, cricket and badminton were taught. 14% of the total students received cricket training. 22% of the remaining students received training for hockey. Half of the remaining students received training for badminton. What percentage of students did NOT receive training in any of the three games?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 24.52%
2. 32.56%
3. 33.54%
4. 67.52%

Solution :

The correct answer is **Option 3** i.e. **33.54%**.

Understanding

14% of the total received cricket training.

Remaining students = $100 - 14 = 86\%$

22% of the remaining students received training for hockey.

% of students who received hockey training = $(22 \div 100) \times 86 = 18.92$

Remaining students = $86 - 18.92 = 67.08\%$

Half of the remaining students received training for badminton.

Remaining students = $67.08 \div 2 = 33.54\%$

The percentage of students who did NOT receive training in any of the three games =

$100 - (14 + 18.92 + 33.54) = 100 - 66.46 = 33.54\%$

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

Question 18 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Terminal 2. Terminology 3. Temperature 4. Tamarind 5. Tame 6. Tertiary

Difficulty : Moderate

Average Time : 64 Seconds

Options :

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

Solution :

The correct answer is **Option 2** i.e. 4, 5, 3, 1, 2, 6

In this question, you need to arrange the words in the order in which they appear in an English dictionary.



So the arrangement is;

4. **Tamarind**
5. **Tame**
3. **Temperature**
1. **Terminal**
2. **Terminology**
6. **Tertiary**

Hence, the correct answer is **4, 5, 3, 1, 2, 6.**

Question 19 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and make the equation correct. $68 * 138 * 23 * 54 * 20$

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. **+, ÷, , =**
2. **=, ×, +, ÷**
3. **×, +, , =**
4. **×, +, =, ÷**

Solution :

The correct answer is **Option 1** i.e. **+, ÷, , =.**

Understanding



Given equation: $68 * 138 * 23 * 54 * 20$

Let us check all the options:

1) +, ÷, , =

The expression becomes:

$$= 68 + 138 \div 23 - 54 = 20$$

= 20 is equal to 20.

So, there is no need of checking further options.

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

Question 20 :

Select the number-pair in which the two numbers share a different relationship from that shared by the two numbers in the rest of the number-pairs.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. (215, 338)
2. (11, 134)
3. (169, 292)
4. (178, 308)

Solution :

The correct answer is **Option 4** i.e. **(178, 308)**

The logic used here is:

$$(2\text{nd number}) - (1\text{st number}) = 123$$

Option 1: (215, 338)

$$338 - 215 = 123$$

Option 2: (11, 134)

$$134 - 11 = 123$$

Option 3: (169, 292)

$292 - 169 = 123$

Option 4: (178, 308)

$308 - 178 = 130$

This does not follow the logic.

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

Question 21 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. Q _ A D _ R _ K A D P _ Q K A _ P R Q K _ D _ R

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. K, P, Q, R, D, A, P
2. K, P, Q, R, D, A, Q
3. K, P, R, Q, D, A, P
4. K, P, Q, R, A, D, P

Solution :

The correct answer is **Option 1** i.e. **K, P, Q, R, D, A, P**.

The sequence is – K, P, Q, R, D, A, P

Given sequence: Q _ A D _ R _ K A D P _ Q K A _ P R Q K _ D _ R

Option 1: K, P, Q, R, D, A, P

Q **K A D P R** / Q **K A D P R** / Q **K A D P R** / Q **K A D P R**

Option 1 forms a particular pattern. So, there is no need for checking further options.

Hence, **K, P, Q, R, D, A, P** is the correct answer.

Question 22 :

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 : 76 Seconds

Options :

1. TYDI
2. HMRW
3. ZEJP
4. NSXC

Solution :

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

The logic used here is:

1st letter + 5 = 2nd letter

2nd letter + 5 = 3rd letter

3rd letter + 5 = 4th letter

Option 1: TYDI

T + 5 = Y

Y + 5 = D

D + 5 = I

Option 2: HMRW

H + 5 = M

M + 5 = R

R + 5 = W

Option 3: ZEJP

Z + 5 = E

E + 5 = J

J + 5 = O

This does not follow the logic.

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

**Question 23 :**

In a certain code language, 'COUNTRY' is written as 'BOWKXLF'. How will 'DESPAIR' be written in that language?

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

1. GBVMDFU
2. ULDSVHG
3. GBPSXIO
4. UFDNVBG

Solution :

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

The logic used here is:

'COUNTRY' is written as 'BOWKXLF'

First, reverse the given code.

COUNTRY = FLXKWOB

C + 3 = F

O - 3 = L

U + 3 = X

N - 3 = K

T + 3 = W

R - 3 = O

Y + 3 = B

Similarly,

Code for the word DESPAIR:

D + 3 = G

E - 3 = B

S + 3 = V

$P - 3 = M$

$A + 3 = D$

$I - 3 = F$

$R + 3 = U$

$DESPAIR = UFDMVBG$

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

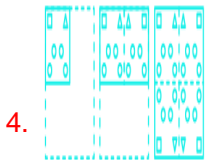
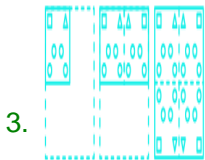
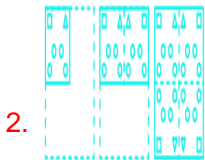
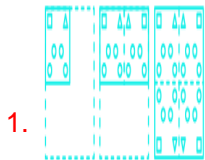
Question 24 :

Select the Venn diagram that best illustrates the relationship between the following classes. Women, Mother-in-law, Housewives.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

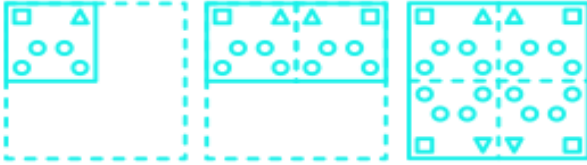


Solution :

The correct answer is **Option 3**.

Understanding

The possible Venn diagram is:



All mothers-in-law and housewives are women.
Some housewives are mothers-in-law.

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

Question 25 :

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

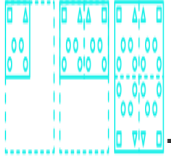
Average Time : 74 Seconds

Options :

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

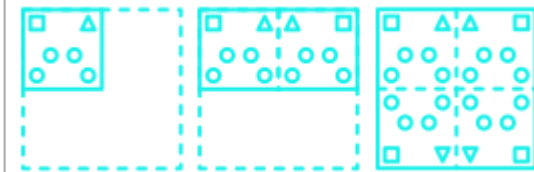
Solution :

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



Understanding

After unfolding, the paper will appear as follows:



Question 26 :

In which of the following years was the All-India Harijan Sevak Sangh founded?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 1928
2. 1942
3. 1919
4. 1932

Solution :

The correct answer is **option 4** i.e. **1932**.

- The All India Harijan Sevak Sangh is a non-profit organisation founded in the year **1932** by Mahatma Gandhi with an aim to eradicate untouchability in India.
- Through his, he worked for the Harijan or Dalit people for the upliftment of the Depressed class of India.

Question 27 :

In cricket which of the following fielding positions is behind the batsman?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

Mid-wicket

2. First slip

3. Cover

4. Mid off

Solution :

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

- In cricket, the **first slip** stands a little way back from the keeper while the second slip will be roughly level.
- The first slip is normally about a foot or so behind the wicketkeeper. This is because the ball flies faster off the edge when the ball goes finer.

Question 28 :

The Ramon Magsaysay Award was established in the year _____.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 1962
2. 1965
3. 1957
4. 1982

Solution :

The correct answer is **option 3** i.e. **1957**.

- The Ramon Magsaysay Award is an annual award established to perpetuate former Philippines President Ramon Magsaysay's example of integrity in governance, courageous service to the people, and pragmatic idealism in a democratic society.
- The prize was established in **April 1957**.

Question 29 :

Which of the following Buddhist sites is located in Uttar Pradesh?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Sarnath



Karle

3. Sanchi

4. Amaravati

Solution :

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

- **Sarnath** is a city of historical marvels with numerous Buddhist stupas, museums, excavated ancient sites and beautiful temples that prove to be a source of immense wonder and astonishment to tourists due to their mystical and serene setting.
- Sarnath is a place located 10 kilometres northeast of Varanasi, near the confluence of the Ganges and the Varuna rivers in Uttar Pradesh, India.
- Sarnath is where, circa 528 BCE, at 35 years of age, Gautama Buddha taught his first sermon after attaining enlightenment at Bodh Gaya.

Question 30 :

Where is the famous pilgrim spot of Sikhs, Sri Harmandir Sahib located?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Amritsar
2. Manali
3. Jalandhar
4. Patna

Solution :

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

- Sri Harmandir or Golden Temple is situated in **Amritsar, Punjab**.
- The temple is not only a central religious place of the Sikhs but also a symbol of human brotherhood and equality.
- Everybody, irrespective of caste, creed or race can seek spiritual solace and religious fulfillment without any hindrance.

Question 31 :

How many arteries are there in an umbilical cord?

Difficulty : Moderate

Average Time : 46 Seconds



Options :

1. Three
2. Four
3. One
4. Two

Solution :

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

- The umbilical cord, also called the navel string or birth cord is a conduit between the developing embryo or fetus and the placenta.
- It contains **one vein**, which carries oxygenated, nutrient-rich blood to the fetus, and **two arteries** which carry deoxygenated, nutrient-depleted blood away.

Question 32 :

_____ National Park is in Ladakh.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Gir
2. Manas
3. Namdapha
4. Hemis

Solution :

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

- The **Hemis National Park** is a high altitude national park in Ladakh, India.
- The park is a famous wildlife destination in Ladakh which is famous for its high population of snow leopards and a wide variety of birds.

Question 33 :

Who among the following won the 10th National Ice Hockey Championship trophy in Gulmarg in January 2021?

Difficulty : Moderate

Average Time : 44 Seconds

Options :



Central Reserve Police Force (CRPF)

2. Indo Tibetan Border Police (IT BP)

3. National Highway Authority of India (NHAI)

4. Central Industrial Security Force (CISF)

Solution :

The correct answer is **option 2** i.e. **Indo T ibetan Border Police (IT BP)**.

- The **Indo-Tibetan Border Police(ITBP)** won the Ice Hockey Association of India 10th National Ice Hockey Championship trophy after a superb win over Ladakh in the finals in Gulmarg on Friday.
- The ITBP team took home the trophy after a thrilling win over Ladakh with the score line(goals) 5-1.
- The match was held at Gulmarg Ice Rink, Jammu and Kashmir.

Question 34 :

Which of the following Articles of the Constitution of India provides power to the President for promulgating ordinances?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Article 77
2. Article 111
3. Article 123
4. Article 143

Solution :

The correct answer is **option 3** i.e. **Article 123**.

- **Article 123** of the Indian constitution grants the President certain law-making powers to promulgate ordinances when either of the two Houses of Parliament is not in session.
- An ordinance may be concerned with any subject that the Parliament has the power to legislate on and also has the same limitations as the Parliament to legislate according to the distribution of powers between the Union, State and Concurrent Lists.

Question 35 :

'Aaluyattu' is a folk dance form from the state of _____.

Difficulty : Moderate

Average Time : 50 Seconds

Options :



Kerala

2. Haryana

3. Goa

4. Nagaland

Solution :

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

- Aaluyattu is a folk dance originating in the state of **Nagaland**.
- The dance is performed by the Konyak tribe.
- Some other prominent dances include the Butterfly dance, Agurshikukula, Changai dance, Khamba Lim and Kuki dance.

Question 36 :

According to National Education Policy 2020, vocational education will start from _____ with internships.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Class VII

2. Class VIII

3. Class V

4. Class VI

Solution :

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

- With the roll out of the National Education Policy (NEP) 2020, vocational education has garnered the required spotlight.
- The NEP is a comprehensive policy that extensively discusses the revamping of vocational education and internships, starting from **Class VI**.

Question 37 :

The concept of 'Reservation of seats for Scheduled Castes and Scheduled Tribes in the House of the People' is highlighted in Article _____ of the Constitution of India.

Difficulty : Moderate

Average Time : 48 Seconds

Options :



345

2. 326

3. 361

4. 330

Solution :

The correct answer is **option 4** i.e. **330**.

- **Article 330** of the Indian constitution deals with the reservation of seats for the Scheduled Castes and Scheduled Tribes in the House of the People.
- It states that seats shall be reserved in the House of the People for the SCs, STs except the STs in the autonomous districts of Assam and the STs in the autonomous districts of Assam.

Question 38 :

Which of the following is a tributary of the river Brahmaputra that flows through Bhutan?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Ayeyarwady River
2. Chindwin River
3. Wang Chhu River
4. Sittaung River

Solution :

The correct answer is **option 3** i.e. **Wang Chhu River**.

- The **Wang Chhu River** is a Himalayan river and tributary of the majestic Brahmaputra River and a transboundary river that flows through India, Bhutan and Bangladesh.
- It is one of the main rivers in Alipurduar district, India.

Question 39 :

Which State Assembly passed the resolution on Sarna Code in November 2020?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Jharkhand



Chattisgarh

3. Madhya Pradesh

4. Bihar

Solution :

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

- The **Jharkhand State Assembly** on November 2020, in a special session, sent a resolution to the Union government asking for a separate religion code for the tribal population in the upcoming census 2021 exercise.
- The followers of 'Sarna' are usually nature worshippers. They have been demanding recognition of it as a distinct religion for decades.

Question 40 :

The ICTP Ramanujan Prize is awarded annually for excellence in _____.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Chemistry
2. Physics
3. Mathematics
4. Biology

Solution :

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

- The ICTP Ramanujan Prize is a prize awarded annually by the International Centre for Theoretical Physics in Italy, in the field of **Mathematics**.
- The prize is named after the Indian mathematician Srinivas Ramanujan. It was founded in 2004 and was first awarded in 2005.

Question 41 :

If $3 \tan(\theta) = 2(\sqrt{3}) \sin(\theta)$, $0^\circ < \theta < 90^\circ$, then find the value of $2\sin^2(2\theta) - 3\cos^2(2\theta)$

Difficulty : Moderate

Average Time : 49 Seconds

Options :

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

$$\frac{1}{2}$$

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

4. 1

Solution :

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

$$3 \tan \theta = 2 \sqrt{3} \sin \theta$$

$$\frac{\sin \theta}{\cos \theta} = \frac{2 \sin \theta}{3}$$

$$\cos \theta = \frac{3}{2}$$

$$\theta = 30^\circ$$

$$2 \sin^2 \theta - 3 \cos^2 \theta$$

$$2 \sin^2 60^\circ - 3 \cos^2 90^\circ$$

$$2 \left(\frac{3}{2}\right)^2 - 0$$

$$\frac{3}{2}$$

Question 42 :

In $\triangle ABC$, $\angle C = 90^\circ$ and Q is the midpoint of BC. If AB = 10 cm and AC = $2\sqrt{10}$ cm, then the length of AQ is:

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. $5\sqrt{5}$ cm

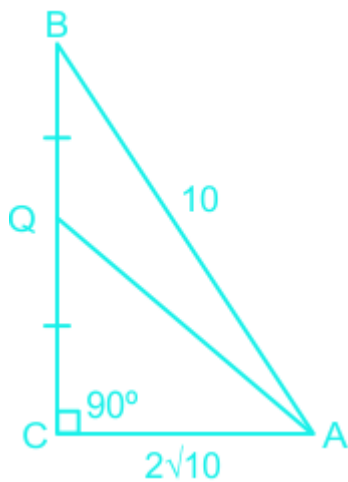
2. $3\sqrt{5}$ cm

3. $\sqrt{55}$ cm

4. $5\sqrt{3}$ cm

Solution :

The correct answer is **option 3** i.e. $\sqrt{55}$ cm



In the triangle ABC by using the Pythagoras theorem,

$$BC^2 = (10)^2 - (2\sqrt{10})^2$$

$$BC^2 = 100 - 40$$

$$BC = 215 \text{ cm}$$

As Q is the midpoint of BC

$$QC = 15 \text{ cm}$$

Again by applying Pythagoras theorem,

$$AQ^2 = (210)^2 + (15)^2$$

$$40 + 15$$

$$AQ = 55 \text{ cm}$$

Question 43 :

A man and a woman, working together can do work in 66 days. The ratio of their working efficiencies is 3 : 2. In how many days 6 men and 2 women working together can do the same work?

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. 14

2. 12

3. 15



18

Solution :

The correct answer is **option 3** i.e. **15**

Total work = Time \times efficiency

$$\text{Total work} = (3x + 2x) \times 66$$

$$330x$$

Work done by 6 men in a day = $6(3x)$

$$18x$$

Work done by 2 women in a day = $2(2x)$

$$4x$$

Number of days taken = $330x / (18x + 4x)$

$$330x / 22x = 15$$

Question 44 :

For a wave, wavelength divided by the time period is equal to:

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Phase difference
2. Frequency
3. Wave velocity
4. Amplitude

Solution :

The correct answer is **option 3** i.e. **Wave velocity**.

- The term **wave velocity** refers to the speed and direction at which a wave is travelling.
- The distance travelled by a wave in one second is called wave velocity and its S.I unit is metre per second (ms⁻¹).
- The velocity of a wave is equal to the product of its wavelength and frequency(number of vibrations per second) and is independent of its intensity.

Question 45 :



In which of the following places is a steel plant under SAIL located?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Bhilai
2. Bilaspur
3. Raigarh
4. Korba

Solution :

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

- The Bhilai Steel Plant (BSP), located in **Bhilai**, in the state of Chattisgarh, is India's first and main producer of wide steel plates and other steel products. It was set up with the help of the USSR in 1959.
- The plant also produces steel and markets various chemical by-products from its coke ovens and coal chemical plant.

Question 46 :

Chandernagore (Chandannagar) was a _____ colony captured by the British Navy on 23 March 1757.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Danish
2. Dutch
3. French
4. Portuguese

Solution :

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

- Chandernagore is a **French city** in the Hooghly district in the Indian state of West Bengal.
- The colony is headquartered in the Chandannagore subdivision and is part of the area covered by the Kolkata Metropolitan Development Authority (KMDA).

Question 47 :

Carbon and energy requirements of an autotrophic organism are fulfilled by _____.



Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Locomotion
2. Photosynthesis
3. Respiration
4. Glycogenation

Solution :

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

- Carbon and energy requirements of autotrophic organisms are fulfilled by **photosynthesis**.
- It is a process in which autotrophic organisms utilize carbon dioxide and water in the presence of sunlight and chlorophyll to form carbohydrates, which is the energy source.

Question 48 :

In 2020, the United Nations passed a resolution to remove cannabis and cannabis resin from the category of 'most dangerous substances'. Which of the following countries was absent from the voting?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Russia
2. India
3. The US
4. Ukraine

Solution :

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

- In a decision that could influence the global use of medicinal marijuana, the United Nations Commission on Narcotic Drugs (CND) voted to remove cannabis and cannabis resin from the Schedule IV of the 1961 Single Convention on Narcotic Drugs.
- In this decision, 27 member states voted in favour, while 25 were against and one in abstention, which was **Ukraine**.

Question 49 :

The Sun Temple of Odisha was built in the 12th Century AD by which of the following emperors?



Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Kharavela
2. Narasimha Deva I
3. Vijaya Sena
4. Dharmapala

Solution :

The correct answer is **option 2** i.e. **Narasimha Deva I**.

- The famous Konark Sun Temple was built by **King Narasimha Deva I** in 1224 to worship Surya, the Sun God.
- Konark was chosen as its place of construction because it has been described as the holy seat of Surya in various ancient texts.

Question 50 :

Who among the following economists coined the terminology 'Hindu Rate of Growth'?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Bimal Jalan
2. Amiya Kumar Bagchi
3. Vijay Kelkar
4. Raj Krishna

Solution :

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

- The term 'Hindu rate of Growth' was coined by Indian economist **Raj Krishna**.
- The term suggests that the low growth rate of India, a country with a mostly Hindu population was in sharp contrast to high growth rates in other Asian countries, especially the East Asian Tigers (Hong Kong, Singapore, South Korea and Taiwan).
- The Hindu rate of growth is a term used by advocates of liberalisation referring to the lower annual growth rate of the economy of India before the economic reforms of 1991.

Question 51 :

Which of the following is NOT an outcome of endogenous forces?



Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Landslides
2. Sea waves
3. Volcanic eruptions
4. Earthquakes

Solution :

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

- **Endogenic forces** or endogenetic forces are the pressures that originate inside the earth.
- These internal forces lead to vertical and horizontal movements and result in **subsidence, land upliftments, volcanism, faulting, folding, and earthquakes**.
- On the other hand, the **wind, water and waves** are examples of **exogenic forces**.

Question 52 :

Viscose fibre is obtained from _____.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Coal
2. Cellulose
3. Oil
4. Petrochemicals

Solution :

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

- Viscose is a semi-synthetic fibre derived from the **cellulose** or wood pulp from fast-growing, regenerative trees such as eucalyptus, beech, pine, bamboo, soy and sugarcane.
- Viscose is often touted as a sustainable alternative to cotton or polyester and is popular in the fashion industry as a cheaper and more durable alternative to silk.

Question 53 :

Lymph is a light clear fluid made up of white blood cells that attack harmful _____ in the blood.



Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Viruses
2. Bacteria
3. Fungi
4. Protozoa

Solution :

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

- The lymph system is a network of organs, lymph nodes, lymph ducts, and lymph vessels that makes and move lymph from tissues to the bloodstream.
- Lymph is a clear to white fluid made of white blood cells, especially lymphocytes, the cells that attack **bacteria** in the blood.
- Lymph nodes are small, soft, round or bean-shaped structures found in various parts of the body such as the neck, armpit, groin and inside the centre of the chest and abdomen.

Question 54 :

A circle touches all the four sides of a quadrilateral ABCD whose sides are $AB = 8.4$ cm, $BC = 9.8$ cm and $CD = 5.6$ cm. The length of side AD, in cm, is:

Difficulty : Moderate

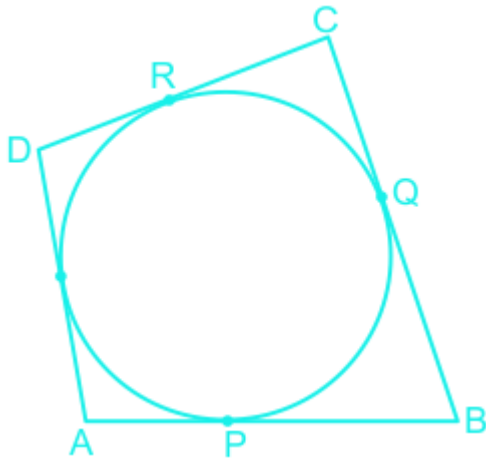
Average Time : 58 Seconds

Options :

1. 2.8
2. 4.2
3. 3.8
4. 4.9

Solution :

The correct answer is **option 2** i.e. **4.2**



When a circle is inscribed in a quadrilateral then the sum of two opposite sides is equal.

$$AB + CD = AD + BC$$

$$8.4 + 5.6 = 9.8 + AD$$

$$AD = 14 - 9.8$$

$$AD = 4.2$$

Question 55 :

If $x - \frac{1}{x} = 1$, then what is the value of $x^8 + \frac{1}{x^8}$?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 123
2. -1
3. 3
4. 47

Solution :

The correct answer is **option 1** i.e. 123

$$\left(x - \frac{1}{x} = 1\right)$$

By squaring both sides,

$$\left(x - \frac{1}{x}\right)^2 = 1^2$$



$$\left(x^2 - \frac{1}{x^2} - 2 = 1\right)$$

$$\left(x^2 - \frac{1}{x^2} = 3\right)$$

By again squaring,

$$\left(x^2 - \frac{1}{x^2}\right)^2 = 3^2$$

$$\left(x^4 - \frac{1}{x^4} - 2 = 9\right)$$

$$\left(x^4 - \frac{1}{x^4} = 11\right)$$

By again squaring,

$$\left(x^4 - \frac{1}{x^4}\right)^2 = 11^2$$

$$\left(x^8 - \frac{1}{x^8} - 2 = 121\right)$$

$$\left(x^8 - \frac{1}{x^8} = 123\right)$$

Question 56 :

The area of a circular park is 12474 m², There is 3.5 m wide path around the park. What is the area (in m²) of the path? (Take $\pi = \frac{22}{7}$)

Difficulty : Moderate**Average Time : 65 Seconds****Options :**

1. 1424.5
2. 1435.5
3. 1440.5
4. 1380.5

Solution :

The correct answer is **option 1** i.e. **1424.5**

Area of a circle = r^2

$$\left(\frac{22}{7}\right)r^2 = 12474$$

$$r^2 = 3969$$

$$r = 63 \text{ cm}$$

$$\text{Area of the park} = (66.5)^2 - (63)^2$$

$$(66.5 + 63)(66.5 - 63)$$

$$(22/7) \times 129.5 \times 3.5$$

$$11 \times 129.5 = 1424.5$$

Question 57 :

If $3 \sec(\theta) + 4 \cos(\theta) - 4\sqrt{3} = 0$ where (θ) is an acute angle then the value of (θ) is:

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

1. 45°
2. 60°
3. 20°
4. 30°

Solution :

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

Instead of solving this equation we could just use the substitution method and make our life easy,

$$\theta = 45^\circ$$

$$3 \sec 45^\circ + 4 \cos 45^\circ = 43$$

$$32 + 42 = 52$$

This is not the correct answer.

$$\theta = 60^\circ$$

$$3 \sec 60^\circ + 4 \cos 60^\circ = 43$$

$$3(2) + 4(1/2)$$

This is not the correct answer.

$$\theta = 30^\circ$$

$$3 \sec 30^\circ + 4 \cos 30^\circ = 43$$

$$3(2/3) + 4(3/2)$$

$$23 + 23 = 43$$



This is the correct answer.

Question 58 :

(Delta) ABC (sim) (Delta) DEF and the area of (Delta) ABC is 13.5 cm² and the area of (Delta) DEF is 24 cm². If BC = 3.15 cm, then the length (in cm) of EF is:

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

1. 4.8
2. 5.1
3. 4.2
4. 3.9

Solution :

The correct answer is **option 3** i.e. **4.2**

The ratio of the area of two similar triangles is directly proportional to the squares of the corresponding sides.

$$\text{ar}(\Delta ABC) : \text{ar}(\Delta DEF) = BC^2 : EF^2$$

$$13.5/24 = (3.15)^2/EF^2$$

$$3/4 = 3.15/EF$$

$$EF = 4.2$$

Question 59 :

The following table shows the day-wise number of seats occupied by different classes on a train. Numbers in the bracket represent the total seats available in a particular class. Day 2nd Class Non – AC (900) 1st Class Non – AC (500) AC III Tier (500) AC II Tier (250) AC 1st Class (150) Monday 850 460 480 240 145 Tuesday 840 400 450 230 120 Wednesday 830 390 480 220 130 Thursday 790 480 490 250 125 Friday 840 470 500 210 130 How many seats remained vacant taking all the days together in non - AC classes?

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

1. 650
2. 715
3. 600

**585****Solution :**The correct answer is **option 1** i.e. **650**Number of vacant seats in 2nd Class Non - AC = $50 + 60 + 70 + 110 + 60$

350

Number of vacant seats in 1st Class Non - AC = $40 + 100 + 110 + 20 + 30$

300

Total vacant seats: $350 + 300 = 650$ **Question 60 :**If $(x^4 + \frac{1}{x^4}) = 727, x > 1$, then what is the value of $((x - \frac{1}{x}))$?**Difficulty : Moderate****Average Time : 40 Seconds****Options :**

1. 6

2. 5

3. -5

4. -6

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

$$(x^4 + \frac{1}{x^4}) = 727$$

By adding 2 on both sides,

$$(x^4 + \frac{1}{x^4} + 2 = 729)$$

$$((x^2 + \frac{1}{x^2})^2 = 27^2)$$

$$(x^2 + \frac{1}{x^2}) = 27$$

By subtracting 2 from both sides,

$$(x^2 + \frac{1}{x^2} - 2 = 25)$$

$$((x - \frac{1}{x})^2 = 5^2)$$



$$\left(x - \frac{1}{x} = 5\right)$$

Question 61 :

If $2x^2 - 8x - 1 = 0$, then what is the value of $(8x^3 - \frac{1}{x^3})$?

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

1. 560
2. 524
3. 464
4. 540

Solution :

The correct answer is **option 1** i.e. **560**

$$2x^2 - 8x - 1 = 0$$

$$2x^2 - 1 = 8x$$

$$2x - \frac{1}{x} = 8$$

$$(a - b)^3 = a^3 - b^3 - 3ab(a - b)$$

$$a = 2x, \text{ and } b = \frac{1}{x}$$

$$(2x - \frac{1}{x})^3 = 8x^3 - \frac{1}{x^3} - 3(2x)(\frac{1}{x})(2x - \frac{1}{x})$$

$$512 = 8x^3 - \frac{1}{x^3} - 6(8)$$

$$8x^3 - \frac{1}{x^3} = 512 + 48$$

$$560$$

Question 62 :

A train is to cover 370 km at a uniform speed. After running 100 km, the train could run at a speed of 5 km/h less than its normal speed due to some technical fault. The train got delayed by 36 minutes. What is the normal speed of the train, in km/h?

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

1. 45

50

3. 40

4. 48

Solution :

The correct answer is **option 2** i.e. **50**

Let the x be the normal speed of the train,

$$270/(x - 5) - 270/x = 36/60$$

$$270(1/(x - 5) - 1/x) = 3/5$$

$$(x - x + 5)/x(x - 5) = 1/450$$

$$x^2 - 5x = 2250$$

$$x^2 - 5x - 2250 = 0$$

$$x^2 - 50x + 45x - 2250 = 0$$

$$x(x - 50) + 45(x - 50) = 0$$

$$x = 50, -45$$

Question 63 :

Find the greatest value of b so that $30a68b$ ($a > b$) is divisible by 11.

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

1. 4

2. 6

3. 3

4. 9

Solution :

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

Divisibility by 11:

The difference between numbers at even positions to the number at odd positions is a multiple of 11.



$$30a68b = (3 + a + 8) - (b + 6 + 0)$$

$$a + 11 - b - 6$$

$$5 + a - b = 0$$

This case is not possible.

$$5 + a - b = 11$$

$$a - b = 6$$

$$a = 9 \text{ so } b = 3$$

Question 64 :

Two equal sums were lent on simple interest at 6% and 10% per annum respectively. The first sum was recovered two years later than the second sum and the amount in each case was Rs. 1105. What was the sum (in Rs.) lent in each scheme?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 850
2. 936
3. 891
4. 900

Solution :

The correct answer is **option 1** i.e. **850**

As per the question:

$$(t + 2) \times 6\% = t \times 10\%$$

$$t = 3 \text{ years}$$

Let the amount invested be 'x'

From the formula of simple interest,

$$1105 = (x \times 5 \times 6)/100 + x$$

$$1.3x = 1105$$

$$x = 850$$

Question 65 :

Study the given bar graph and answer the question. The bar graph given below represents the data of the Production of Paper (in ten lakh tonnes) by three different companies X, Y and Z during the years 2008 to 2012. The x - axis shows the Years and the y - axis represents the Production of Paper (in ten lakh tonnes). (Note: The data shown below is only for mathematical exercise. They do not represent the actual figures.) Which company/companies had the maximum average production for the given five years period?

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

1. Y and Z both
2. X and Z both
3. Y
4. X

Solution :

The correct answer is **option 2** i.e. **X and Z both**.

Production of company X = $40 + 55 + 35 + 60 + 50$
240

Production of company Y = $35 + 45 + 45 + 50 + 60$
235

Production of company Z = $45 + 50 + 55 + 45 + 45$
240

X and Z both are maximum.

Question 66 :

Bar graph shows the number of students enrolled for a vocational course in institutes A and B during 5 years from 2014 to 2018. In which year the number of students enrolled in institute A is x% less, where 25×30 , than the number of students enrolled in institute B in the same year?

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

1. 2017

2016

3. 2015

4. 2014

Solution :

The correct answer is **option 3** i.e. **2015**

Option 1:

Number of students in institute A = 250

Number of students in institute B = 325

$$(75/250) \times 100 = 33.33\%$$

Option 2:

Number of students in institute A = 300

Number of students in institute B = 375

$$(75/300) \times 100 = 25\%$$

Option 3:

Number of students in institute A = 280

Number of students in institute B = 360

$$(80/280) \times 100 = 28.56\%$$

Option 3 is the correct answer.

Question 67 :

The value of $(\frac{\tan(45^\circ - \alpha)}{\cot(45^\circ + \alpha)}) - \frac{(\cos 19^\circ + \sin 71^\circ)(\sec 19^\circ + \operatorname{cosec} 71^\circ)}{\tan 12^\circ \tan 24^\circ \tan 66^\circ \tan 78^\circ}$ is:

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. -3

2. 2

3. -2

0

Solution :

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

$$\left(\frac{\tan(45^\circ - \alpha)}{\cot(45^\circ + \alpha)} - \frac{(\cos 19^\circ + \sin 71^\circ)(\sec 12^\circ + \operatorname{cosec} 71^\circ)}{\tan 12^\circ \tan 24^\circ \tan 66^\circ \tan 78^\circ}\right)$$

By using the identity,

$$\tan(90^\circ - x) = \cot x$$

$$\cot(90^\circ - x) = \tan x$$

$$\sin(90^\circ - x) = \cos x$$

$$\operatorname{cosec}(90^\circ - x) = \sec x$$

and similar identities,

$$\left(\frac{\cot(90^\circ - (45^\circ - \alpha))}{\cot(45^\circ + \alpha)} - \frac{(\sin(90^\circ - 19^\circ) + \sin 71^\circ)(\operatorname{cosec}(90^\circ - 19^\circ) + \operatorname{cosec} 71^\circ)}{\tan 12^\circ \tan 24^\circ \tan 66^\circ \tan 78^\circ}\right)$$

$$\left(\frac{\cot(45^\circ + \alpha)}{\cot(45^\circ + \alpha)} - \frac{(\sin 71^\circ + \sin 71^\circ)(\operatorname{cosec} 71^\circ + \operatorname{cosec} 71^\circ)}{\tan 12^\circ \cot 66^\circ \tan 66^\circ \cot 12^\circ}\right)$$

$$(1 - \frac{2 \sin 71^\circ}{2 \operatorname{cosec} 71^\circ})$$

$$(1 - 4)$$

$$(-3)$$

Question 68 :

A trader bought 640 kg of rice. He sold a part of rice at a 20% profit and the rest at a 5% loss. He earned a profit of 15% in the entire transaction. What is the quantity (in kg) of rice that he sold at a 5% loss?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. 154
2. 256
3. 128
4. 132

Solution :

The correct answer is **option 3** i.e. **128**

Let the trader sells the quantity of rice sold at 5% loss be x

Quantity of rice sold at 20% profit be $640 - x$

$$x \times 95 + (640 - x) \times 120 = 640 \times 115$$

$$95x + 76800 - 120x = 73600$$

$$25x = 3200$$

$$x = 128$$

Question 69 :

The radii of two concentric circles are 12 cm and 13 cm. AB is a diameter of the bigger circle. BD is a tangent to a smaller circle touching it at D. Find the length (in cm) of AD? (correct to one decimal place)

Difficulty : Moderate

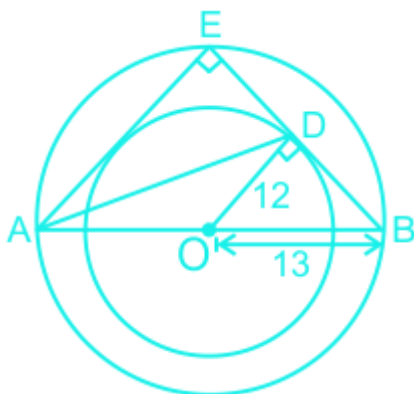
Average Time : 51 Seconds

Options :

1. 23.5
2. 25.5
3. 24.5
4. 17.6

Solution :

The correct answer is **option 3** i.e. **24.5**



By the Pythagoras theorem in triangle ODB

$$OB^2 = OD^2 + BD^2$$

$$169 = 144 + BD^2$$

$$BD^2 = 25 \text{ cm}$$

$$BD = 5 \text{ cm}$$

$BD = BE/2$ (Perpendicular drawn from from the centre on the chord bisects in two equal parts)

$$BE = 10\text{cm}$$

In triangle ABE using Pythagoras theorem

$$676 = 100 + AE^2$$

$$AE^2 = 576 \text{ cm}$$

$$AE = 24 \text{ cm}$$

In triangle ADE using Pythagoras theorem

$$AD^2 = 576 + 25$$

$$601 \text{ or } 24.5 \text{ cm}$$

Question 70 :

The data given in the table shows the number of boys and girls enrolled in three different streams in a school over 5 years.

Years	Arts	Science	Commerce	Boys	Girls	Boys	Girls	Boys	Girls
2012	48	36	40	35	35	45	2014	42	43
2016	45	42	32	32	42	2016	45	42	38
2018	39	46	41	23	28	34	2020	36	43
				39	30	39	41		

The number of boys in the Science stream in the years 2012 and 2016 taken together is what percent of the number of girls for all the years in the Commerce stream?

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. 32.5
2. 39
3. 35
4. 45.5

Solution :

The correct answer is **option 2** i.e. **39**

Sum of the number of boys in Science stream in the years 2012 and 2016 = 40 + 38



78

Number of girls for all the years in the Commerce stream = $45 + 42 + 38 + 34 + 41$

200

Required percentage = $(78/200) \times 100$

39%

Question 71 :

The average of eleven numbers is 56. The average of first three numbers is 52 and that of next five numbers is 60. The 9th and 10th number are 3 and 1 more than the 11th number respectively. What is the average of 9th and 11th numbers?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 53.5
2. 54
3. 52.5
4. 52

Solution :The correct answer is **option 1** i.e. **53.5**Sum of all observations = Average \times number of observationsSum of 11 numbers = 56×11

616

Sum of first 3 numbers = 3×52

156

The sum of 4th to 8th number = 5×60

300

Sum of 9th, 10th, and 11th number is = $616 - (156 + 300)$ $616 - 456 = 160$

Let the 11th number be 'x'



$$9\text{th number} = x + 3$$

$$10\text{th number} = x + 1$$

$$x + x + 1 + x + 3 = 160$$

$$3x + 4 = 160$$

$$x = 52$$

Average of 9th and 11th number: $(55 + 52)/2$

53.5

Question 72 :

A shopkeeper marks his goods 30% higher than the cost price and allows a discount of 10% on the marked price. In order to earn 6.5% more profit, what discount percent should he allow on the marked price.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 4

2. 5.5

3. 6

4. 5

Solution :

The correct answer is **option 4** i.e. **5**

Let the cost price of the article be $100x$

$$\text{Marked price} = 100x \times 1.3$$

$$130x$$

Now applying a discount of 10%

$$130x \times 0.9 = 117x$$

To get 6.5% more profit

$$\text{Selling price: } 117x + 6.5x$$

$$123.5x$$



$$\text{Discount\%} = (130x - 123.5x)/130x \times 100$$

5%

Question 73 :

A, B, and C divide a certain sum of money among themselves. The average of the amounts with them is Rs. 4520. The share of A is $10\frac{2}{3}\%$ more than the share of B and $33\frac{1}{3}\%$ less than the share of C. What is the share of B (in Rs.)?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 3500
2. 3600
3. 3984
4. 5976

Solution :

The correct answer is **option 2** i.e. **3600**.

Let the share of B be '300x'

The share of A is $10\frac{2}{3}\%$ more than B = $\frac{332}{300}$ of 300x

$$A = 332x$$

A is $33\frac{1}{3}\%$ less than C = $\frac{3}{2}$ of 332

$$3 \times 166 = 498x$$

The sum of the share of A, B, and C = $332x + 300x + 498x$

$$1130x = 4520 \times 3$$

$$x = 12$$

Share of B = 300x

$$300 \times 12$$

$$3600$$

Question 74 :

Atul purchased Bread costing Rs. 20 and gave a 100 rupee note to the shopkeeper. The shopkeeper gave the balance



money in coins of denominations Rs. 2, Rs. 5, and Rs. 10. If these coins are in the ratio 5 : 4 : 1, then how many Rs. 5 coins did the shopkeeper give?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 6

2. 5

3. 4

4. 8

Solution :

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

The shopkeeper will give back = 100 - 20

Rs.80

Let the number of Rs.2, Rs.5, and Rs.10 coins be 5x, 4x, and x.

$$5x(2) + 4x(5) + x(10) = 80$$

$$10x + 20x + 10x = 80$$

$$x = 2$$

Number of Rs.5 coins = 4(2)

8

Question 75 :

The value of $90 \div 20$ of $6 \times [11 \div 4 \text{ of } \{3 \times 2 - (3 - 8)\}] \div (9 \div 3 \times 2)$ is:

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. $\frac{9}{8}$

2. $\frac{3}{8}$

3. $\frac{1}{36}$

4. $\frac{1}{32}$

**Solution :**

The correct answer is **option 4** i.e. $\frac{1}{32}$

$$90 \div 20 \text{ of } 6 \times [11 \div 4 \text{ of } \{3 \times 2 - (3 - 8)\}] \div (9 \div 3 \times 2)$$

We would solve this by using the concept of BODMAS,

B - Bracket

O - Of

D - Divide

M - Multiplication

A - Addition

S - Subtraction

$$90/20 \times [11 \div 4 \text{ of } (6 + 5)] \div (3 \times 2)$$

$$3/4 \times [11 \div 4 \text{ of } 11] \div 6$$

$$3/4 \times [1/4] \div 6$$

$$\frac{1}{32}$$

Question 76 :

Select the most appropriate ANTONYM of the given word. Pompous

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Humble
2. Flaunting
3. Boastful
4. Showy

Solution :

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

Let's see the meaning of the given words:

- **Pompous:** affectedly grand, solemn, or self-important.
- **Humble:** having or showing a modest or low estimate of one's importance.



Flaunting: to show in a way that attracts attention

- **Boastful:** showing excessive pride and self-satisfaction in one's achievements, possessions, or abilities.
- **Showy:** having a striking appearance or style, typically by being excessively bright, colourful, or ostentatious.

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

Question 77 :

Select the option that expresses the given sentence in passive voice. Close all the windows.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Can you close all the windows?
2. Let all the windows be closed.
3. Will you close all the windows?
4. All the windows be closed.

Solution :

The correct answer is **option 2** i.e. **Let all the windows be closed**.

If the active voice will be- **v1 + subject**.

Then the passive voice is- **let + subject + be + v3**.

As the given structure is followed by the chosen option it will be the right choice.

Question 78 :

Select the most appropriate option to fill in the blank. The door _____ in the strong wind.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. slammed
2. hooted
3. sizzled
4. slapped

Solution :

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

Let's see the meaning of the given words:

- **Slammed:** shut (a door, window, or lid) forcefully and loudly.
- **Hooted:** shout loudly in scorn, disapproval, or merriment.
- **Sizzled:** be very hot.
- **Slapped:** hit or strike with the palm of the hand or a flat object.

Hence, the chosen option is the correct option as it is making the sentence meaningful.

Question 79 :

Select the option that can be used as a one-word substitute for the given group of words. One who does not take any alcoholic drink.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Perfectionist
2. Teetotaler
3. Vegetarian
4. Astrologer

Solution :

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

Let's see the meaning of the given words:

- **Perfectionist :** a person who refuses to accept any standard short of perfection.
- **Teetotaler:** a person who never drinks alcohol.
- **Vegetarian:** a person who does not eat meat or fish, and sometimes other animal products
- **Astrologer:** a person who uses astrology to tell others about their character or to predict their future.

Hence, option 2 is the correct answer.

Question 80 :

Select the most appropriate synonym of the given word. Yield (n)

Difficulty : Moderate

Average Time : 55 Seconds

Options :



Plantation

2. Garden

3. Orchard

4. Harvest

Solution :

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

Let's see the meaning of the given words:

- **Yield:** an amount produced of an agricultural or industrial product.
- **Harvest:** the process or period of gathering in crops.
- **Plantation:** an estate on which crops such as coffee, sugar, and tobacco are grown.
- **Garden :** a piece of ground adjoining a house, in which grass, flowers, and shrubs may be grown.
- **Orchard:** a piece of enclosed land planted with fruit trees.

The chosen option is giving similar meaning as the given option. Hence, it is the correct answer.

Question 81 :

Select the option that expresses the given sentence in indirect speech. "Read the instructions before you start making the dish," Deepa's mother said to her.

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Deepa's mother told to her to read the instructions before you start making the dish.
2. Deepa's mother told her to read the instructions before you had made the dish.
3. Deepa's mother said her to read the instructions before she start making the dish.
4. Deepa's mother told her to read the instructions before she started making the dish.

Solution :

The correct answer is **option 4** i.e. **Deepa's mother told her to read the instructions before she started making the dish**.

- The given sentence is in direct form and we have to convert it into indirect form.
- **Said** will be replaced by **told**.
- We use **say** and **tell** in different ways in reported speech. **Say** focuses on the words someone said and **tell** focuses more on the content or message of what someone said:



'Hello,' she **said**.

- She **told** him they were going on holiday. **(The focus is on the information.)**
- **You** would be converted to third-person pronoun '**she**'.
- **Simple Present Tense** would be converted into **Simple past tense**.

Hence, option 4 is the correct answer.

Question 82 :

Select the most appropriate meaning of the given idiom. Be at a loss for words

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. Not aware of the language
2. Not know what to say
3. Habituated to using difficult words
4. Lost the urge to speak

Solution :

The correct answer is **option 2** i.e. **Not know what to say**.

The meaning of the given idiom is:

Be at a loss for words - Not know what to say.

Hence, the chosen option is the correct option.

Question 83 :

The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. Lack of required / vitamins and minerals / lead against / several complications / in the human body.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. lead against
2. Lack of required
3. in the human body



several complications

Solution :

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

- The error lies in **option 1** because of the wrong use of "**preposition**".
- We need to replace "against" with '**to**' to make the statement grammatically correct.

Grammatical concept:-

- The correct preposition to be used is '**to**'.
- If an action or event **leads to** something, it makes that thing happen or exist.
- By using **lead to** we will see the reason what happens due to the lack of vitamins.

Hence, error lies in option 1, so it is correct .

Question 84 :

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. When he reached his town, he went to his house and knocked at the door. B. A man went away from his home. C. Disappointed, he decided to take it himself . D. One day he wrote a letter to his family, but could not find any one to take the letter to his town.

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. DACB
2. BDCA
3. ABCD
4. CBAD

Solution :

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

- **Statement B** is the opening statement since it is giving the theme of the paragraph that is related to 'the man'.
- The man was away from his home so he wrote a letter. Hence, **statement D** is the continuation of statement B.
- He wrote the letter but he didn't find someone to deliver it to. So, he decided to take it himself. So he went to his town and Then to his home. This shows that **Statement A** will follow **Statement C**.
- Now we have the final arrangement i.e. **BDCA**.

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

Question 85 :



The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. The Dussehra celebrations / in Mysore / this year / are grandest than / in any other part / of the state.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. any other part
2. are grandest than
3. The Dussehra celebrations
4. in Mysore

Solution :

The correct answer is **option 2** i.e. **are grandest than**.

- The error lies in **option 2** because of the wrong use of "**superlative degree**".
- We need to replace "**grandest**" with '**grander**' to make the statement grammatically correct.

Grammatical concept:-

- Comparative degree will be used with the word **than**.
- Noun (subject) + verb + **comparative adjective + than** + noun (object) will be the correct structure.

Correct Sentence: *The Dussehra celebrations in Mysore this year **are grander than** in any other part of the state.*

Hence, error lies in option 2, so it is correct.

Question 86 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Indolence
2. Inershia
3. Idleness
4. Insolence

Solution :



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

Correct Spelling is **Inertia**.

Let's see the meaning of the given words:

- **Indolence:** avoidance of activity or exertion; laziness.
- **Inertia:** a tendency to do nothing or to remain unchanged.
- **Idleness:** laziness; indolence.
- **Insolence:** rude and disrespectful behaviour.

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

Question 87 :

Select the most appropriate ANTONYM of the given word. Widespread

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Limited
2. General
3. Overall
4. Famous

Solution :

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

Let's see the meaning behind the given words:

- **Widespread:** found or distributed over a large area or number of people.
- **Limited:** restricted in size, amount, or extent; few, small, or short.
- **General:** affecting or concerning all or most people or things; widespread.
- **Overall:** taking everything into account.
- **Famous:** known about by many people.

The chosen option is giving opposite meaning to the given word, hence, the correct answer is option 1.

Question 88 :

Select the most appropriate synonym of the given word. IOTA



Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Lot
2. Bag
3. Bit
4. Box

Solution :

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

Let's see the meaning of the given words:

- **lota-** an extremely small amount.
- **Lot-** a large number or amount; a great deal.
- **Bag-** a flexible container with an opening at the top, used for carrying things.
- **Bit-** a small piece, part, or quantity of something.
- **Box-** a container with a flat base and sides, typically square or rectangular and having a lid.

Option 3 is giving the similar meaning to the given option, hence, option 3 is the correct answer.

Question 89 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Many of the apples was rotten.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. No substitution
2. was being rotten
3. is rotten
4. were rotten

Solution :

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

- The sentence should follow the rule of **subject verb agreement**.
- Since, **apples** here is plural, hence, plural verb will be used i.e. **were**.



Correct sentence: *Many of the apples were rotten.*

Question 90 :

Select the option that can be used as a one-word substitute for the given group of words. A person who is trained to travel in a spacecraft

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Choreographer
2. Chauffeur
3. Anchor
4. Astronaut

Solution :

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

Let's see the meaning of the given words:

- **Choreographer** : a person who composes the sequence of steps and moves for a performance of dance.
- **Chauffeur**: a person employed to drive a private or hired car.
- **Anchor**: a heavy object attached to a cable or chain and used to moor a ship to the sea bottom, typically having a metal shank with a pair of curved, barbed flukes at one end.
- **Astronaut**: a person who is trained to travel in a spacecraft

Hence, option 2 is the correct answer.

Question 91 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Fiery
2. Scenic
3. Friend
4. Neice

**Solution :**

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

Correct Spelling is **Niece**.

Let's see the meaning of the given words:

- **Fiery**: consisting of fire or burning strongly and brightly.
- **Scenic**: providing or relating to views of impressive or beautiful natural scenery.
- **Friend**: a person with whom one has a bond of mutual affection
- **Niece**: a daughter of one's brother or sister, or of one's brother-in-law or sister-in-law.

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

Question 92 :

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. At length the olive tree's branches broke with the snow's weight , at once despoiling it of its beauty and killing the tree. B. A shower of snow fell upon them and, finding the olive full of foliage, it settled upon its branches. C. Finding the fig tree without leaves, the snow fell through the branches to the ground and did not injure it at all. D. The olive tree ridiculed the fig tree because, while she was green all the year round, the fig tree changed its leaves with the seasons.

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. ACBD
2. ABCD
3. DBAC
4. DACB

Solution :

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

- **Statement D** is independent and defines the topic of the paragraph "the olive tree and the fig tree". Hence, it will be the opening statement.
- **Statement B** is the continuation of statement D.
- **Statement A** is the continuation of the statement B since it is giving us the reason what happened to the olive tree's branch when the snow piled up on it.
- Finally, **statement C** will come at the end of the arrangement.
- Now we have the final arrangement i.e. **DBAC**.



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

Question 93 :

Select the most appropriate meaning of the given idiom. Want to curl up and die

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Unable to sleep well
2. Want to die comfortably
3. Too tired from physical labour
4. Feel terribly ashamed and sorry

Solution :

The correct answer is **option 4** i.e. **Feel terribly ashamed and sorry.**

The meaning of the idiom is :

Want to curl up and die - Feel terribly ashamed and sorry.

Hence, the chosen option is the correct answer.

Question 94 :

Select the most appropriate option to fill in the blank. The advanced nations face no population problem since they were already settling down to zero growth _____ in population.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. scale
2. degree
3. rate
4. frequency

Solution :

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

- The sentence is talking about the developed nations face no population problems, reason being there is zero population growth rate.



Rate means a measure, quantity, or frequency, typically one measured against another quantity or measure.

- Zero population growth rate means the population neither grows nor declines.

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

Question 95 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Although the children studied hard, but they could not understand the topic without the help of the teacher.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Although the children had study hard, but they
2. No substitution
3. Although the children studied hard, they
4. Although the children have studied hard, but they

Solution :

The correct answer is **option 3** i.e. **Although the children studied hard, they**

- The error is because of the wrong use of conjunction '**but**'.
- We need to omit "**but**" from the sentence to make the statement grammatically correct.

Grammatical concept:-

- The use of the conjunction '**but**' is **incorrect and unnecessary** in the sentence.
- The conjunction 'but' is used to introduce information that contrasts with something that has already been stated.
- Beginning an introductory phrase with '**although**' indicated that the information in that phrase contrasts with something later in the sentence, so, **but** will not be used.
- Therefore, we should not use both in the same sentence.

Correct sentence : Although the children studied hard, they could not understand the topic without the help of the teacher.

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. Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)_____ spun and woven into a large (2)_____ of consumer and industrial products, (3)_____ garments such as shirts, scarves, and hosiery; home furnishings (4)_____ as upholstery, carpets, and drapes; and (5)_____ parts such as tire cord, flame-proof linings,



and drive belts.

Question 96 :

Select the most appropriate option to fill in blank 1.

Difficulty : Moderate

Average Time : 102 Seconds

Options :

1. is
2. will be
3. are
4. be

Solution :

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

Before the blank there is a plural noun, hence we will use the plural verb after it.

So, plural verb **are** will be used.

Hence, the chosen option is correct.

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. Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)_____ spun and woven into a large (2)_____ of consumer and industrial products, (3)_____ garments such as shirts, scarves, and hosiery; home furnishings (4)_____ as upholstery, carpets, and drapes; and (5)_____ parts such as tire cord, flame-proof linings, and drive belts.

Question 97 :

Select the most appropriate option to fill in blank 2.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. number
2. figure
3. extent



total

Solution :

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

The sentence is talking about the consumer products hence, **numbers** will be used.

A large number of consumers products means a lot of consumer products.

Hence, option 1 is the correct answer.

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. Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)_____ spun and woven into a large (2)_____ of consumer and industrial products, (3)_____ garments such as shirts, scarves, and hosiery; home furnishings (4)_____ as upholstery, carpets, and drapes; and (5)_____ parts such as tire cord, flame-proof linings, and drive belts.

Question 98 :

Select the most appropriate option to fill in blank 3.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. counting
2. wrapping
3. showing
4. including

Solution :

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

Let's see the meaning of the following words:

- **Counting:** taking account of when reaching a total
- **Wrapping:** paper or soft material used to cover or enclose something.
- **Showing:** the way in which something is argued or represented.
- **Including:** used for saying that a person or thing is part of a particular group or amount.

The sentence is saying what all comes under the consumer and industrial products, **soincluding** will be used.

Hence, **option 4** will be the correct answer.

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. Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)_____ spun and woven into a large (2)_____ of consumer and industrial products, (3)_____ garments such as shirts, scarves, and hosiery; home furnishings (4)_____ as upholstery, carpets, and drapes; and (5)_____ parts such as tire cord, flame-proof linings, and drive belts.

Question 99 :

Select the most appropriate option to fill in blank 4.

Difficulty : Moderate**Average Time : 84 Seconds****Options :**

1. much
2. more
3. such
4. so

Solution :

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

The sentence is trying to give us the examples of home furnishing. Therefore, **such** will be used.

'**Such as**' is used to mean '**for example**.'

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

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. Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)_____ spun and woven into a large (2)_____ of consumer and industrial products, (3)_____ garments such as shirts, scarves, and hosiery; home furnishings (4)_____ as upholstery, carpets, and drapes; and (5)_____ parts such as tire cord, flame-proof linings, and drive belts.

**Question 100 :**

Select the most appropriate option to fill in blank 5.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. industrial
2. industrialised
3. industry
4. industrialist

Solution :

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

In the sentence itself it is mentioned 'consumer and industrial products'.

Hence, adjective '**industrial**' will be used for blank 5.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-13 in the Evening exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness, 25 questions were asked from Quantitative Aptitude and 25 questions were asked from English Language
4. 17 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Logical Reasoning

1. Coding Decoding - 2
2. 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

General Awareness

- 1. Science - 1
- 2. GK Misc - 1
- 3. Art And Culture - 23

Quantitative Aptitude

- 1. Simplification - 5
- 2. Logarithm - 20

English Language

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

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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