Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2022-12-01 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 :
What is the edge of a cube whose volume is equal to the sum of the volumes of the cubes of edge 6 cm, 8 cm and 10 cm ?

Difficulty : Moderate   Average Time : 45 Seconds

Options :

1. 5 cm

2. 3 cm

3. 6 cm

4. 12 cm

Solution :
The correct answer is **option 4** i.e. **12 cm**

Formula used:

Volume of cube = $side^3$

Calculations:

Let the edge of the cube be x

According to the question;

Volume of original cube = $6^3 + 8^3 + 10^2$

$x^3 = 216 + 512 + 1000$

$x^3 = 1728$

$x = 12$ cm

Question 2 :

Select the most appropriate synonym of the bracketed word to fill in the blank. For Rahul, everything was a _____ (modern) experience until he stepped onto the field.

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

Options :

1. new
2. flashy
3. global
4. Asiatic

Solution :

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

- The word "modern" is given in brackets, and the most appropriate synonym for "modern" would be "new".
- The sentence talks about Rahul's experience, and the word "new" implies that everything Rahul had experienced was different, but that changed when he stepped onto the field.
- The other two options, "global", "new", and "Asiatic", do not fit the context of the sentence.

Thus, the most appropriate filler for the given blank is **new.**

Therefore, the correct sentence is:

*For Rahul, everything was a **new** experience until he stepped onto the field.*

Question 3 :

Which of the following folk dances does NOT belong to the state of Madhya Pradesh?

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

Options :

1. Laho
2. Phulpati

Matki

4. Jawara

Solution :

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

1. **Laho Dance** is an integral part of the Behdienkhlam festival. Laho dance form is very famous among the Pnar tribal community in Meghalaya.Also known as the Chipiah dance
2. Some of the famous folk dances of Madhya Pradesh are **Mataki and Jawara**. Others are Khada Nach, Phulpati, Grida Dance, Selalarki,etc.
3. **Jawara Dance** : The Jawara dance is **mainly a Peasant dance**. The peasants of the Bundelkhand region of MP perform this art form. It is a dance performed at the harvest of a good crop and a true sign of prosperity in the village. Both men and women participate in this dance form.
4. **Matki Dance** is mostly performed in the Malwa region of Madhya Pradesh, India. It is a solo dance performed by ladies on special occasions like weddings.

Question 4 :
'A @ B' means 'A is the husband of B'. 'A & B' means 'A is the mother of B'. 'A # B' means 'B is the daughter of A'. If G # H & I @ J & K, then how is H related to J?

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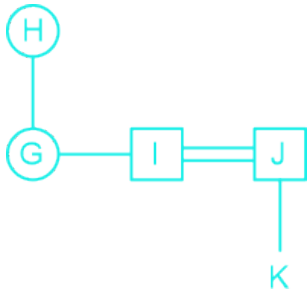
Options :

1. Mother
2. Brother
3. Sister
4. Mother-in-law

Solution :

The correct answer is **option 4** i.e. **Mother-in-law**

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, H is the mother-in-law of J.

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

Question 5 :

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

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

Options :

1.
2.
3.
4.

Solution :

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

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 2** is the correct answer.

Question 6 :

Select the set in which the numbers are related in the same way as the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 –

Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed) (40, 120, 400) (18, 20, 78)

Difficulty : Moderate   **Average Time : 86 Seconds**

Options :

1. (29, 23, 98)

2. (56, 14, 108)

3. (25, 27, 92)

4. (11, 720, 660)

Solution :

The correct answer is **option 1** i.e. **(29, 23, 98).**

The logic used here is:

(40, 120, 400)

(40 × 1) + (120 × 3) = 40 + 360 = 400

(18, 20, 78)

(18 × 1) + (20 × 3) = 18 + 60 = 78

Similarly,

(29, 23, 98)

(29 × 1) + (23 × 3) = 29 + 69 = 98

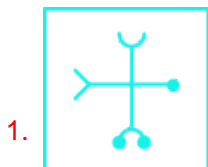Hence, **option 1** is the correct answer.

Question 7 :
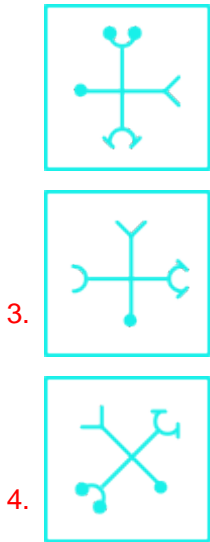Select the figure that will come next in the following figure series.

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

Options :
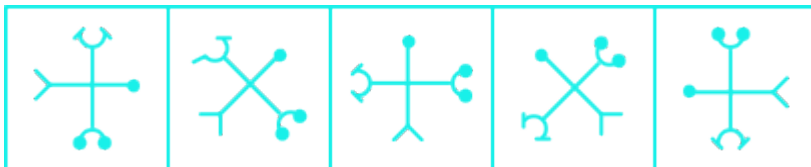
1.

3.

4.

Solution :

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

The logic used here is:

The figure inside the square is rotated by 45 degrees in the anticlockwise direction.

The series of figures is:

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

Question 8 :
Select the number from among the given options that can replace the question mark(?) in the following series. 5, 10, 17, 26, 37, 50,?

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

Options :
   1. 58

65

3. 76

4. 54

Solution :

The correct answer is **option 2** i.e. **65.**

Given series: 5, 10, 17, 26, 37, 50,?

The series follows this pattern:

5 + 5 = 10

10 + 7 = 17

17 + 9 = 26

26 + 11 = 37

37 + 13 = 50

50 + 15 = 65

So, the next term in the series is **65.**

Question 9 :
Select the most appropriate option to fill in the blank. The contingent managed to _____ successfully.

Difficulty : Moderate   **Average Time : 40 Seconds**

Options :
1. park the deal

2. close the deal

3. heal the deal

4. catch the deal

Solution :
The correct answer is **option 2** i.e. **close the deal.**

- The sentence indicates that the contingent has successfully done something related to a deal.

Out of the given options, "close the deal" is the most appropriate one to fill in the blank as it is a commonly used phrase that means to successfully finalize or complete a business agreement or transaction.

- Therefore, the sentence means that the contingent was able to successfully complete or finalize the deal.

Thus, the correct sentence is:

The contingent managed to **close the deal** successfully.

Question 10 :
If tan2 = 1 – a2, then the value of sec + tan3 cosec is.

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

Options :

1. $(2 - \mathrm{a})^{\frac{3}{2}}$

2. $(\mathrm{a}^2 - 1)^{\frac{3}{2}}$

3. $(2 - \mathrm{a}^2)^{\frac{3}{2}}$

4. $\mathrm{a}^{\frac{3}{2}}$

Solution :
The correct answer is **option 3** i.e. $(2 - \mathrm{a}^2)^{\frac{3}{2}}$

Calculations:

$\tan^2 = 1 - a^2$

$\sec^2 - 1 = 1 - a^2$

$2 - a^2 = \sec^2$

$\sec = (2 - a^2)^{1/2}$

Now solving the following value, we get

$\sec + \tan^3 \csc$

$\sec + \tan . \tan^2 . \csc$

$\sec + (\sin/\cos) . \tan^2 . (1/\sin)$

$\sec + \sec . \tan^2$

$\sec(1 + 1 - a^2)$

$(2 - a^2)^{1/2} (2 - a^2)$

$(2 - a^2)^{3/2}$

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The Romans had developed a (1)_____ for chariot racing. The (2)_____ of the game are so excited that sometimes it may (3)_____ into chaos, confusion and riots. The (4)_____ in which racing took place was called a circus. The (5)_____ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

Question 11 :

Select the most appropriate option to fill in blank no. 1.

Difficulty : Moderate   **Average Time : 104 Seconds**

Options :

1. taste

2. spoonful

3. drop

4. mouthful

Solution :

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

- In the given sentence, we need to fill in the blank with a noun that refers to a preference or liking for something.
- The sentence states that the Romans had developed something for chariot racing. This implies that the Romans had a liking or preference for chariot racing.
- The most appropriate option to fill in the blank would be "taste," which refers to a preference or liking for something.

The correct sentence is:

"The Romans had developed a taste for chariot racing."

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The Romans had developed a (1)_____ for chariot racing. The (2)_____ of the game are so excited that sometimes it may (3)_____ into chaos, confusion and riots. The (4)_____ in which racing took place was called a circus. The (5)_____ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

Question 12 :

Select the most appropriate option to fill in blank no. 4.

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. stadium
2. circuit
3. route
4. track

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

- To determine the correct option, we need to consider the context and meaning of the sentence. The sentence states that the place where racing took place was called a circus.
- The word "circus" in this context refers to the ancient Roman circuses, which were long, narrow tracks used for chariot racing.
- The most appropriate option to fill in the blank would be "track," which is a narrow road or path that is designed or adapted for a specific use, such as racing.

The correct sentence would be:

"The track in which racing took place was called a circus."

Question 13 :
In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. Some white are cars. II. No truck is a car. Conclusion: I. All trucks are white. II. Some cars are white.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. Only conclusion II follows
2. Neither conclusion follows
3. Only conclusion I follows

Both conclusions I and II follows

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 trucks are white **False** (It is possible, but no definite conclusion can be drawn.)

II. Some cars are white **True** (As some whites are cars, so the reverse some cars are white is also true.)

Hence, **Only conclusion II follows.**

Question 14 :
Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term. 24: 840:: 27:? :: 33: 1452

Difficulty : Moderate   **Average Time : 67 Seconds**

Options :

1. 756

2. 297

3. 1026

4. 729

Solution :

The correct answer is **option 3** i.e. **1026.**

The logic used here is:

24: 840

24 × (24 + 11) = 24 × 35 = 840

33: 1452

33 × (33 + 11) = 33 × 44 = 1452

Similarly,

27:?

27 × (27 + 11) = 27 × 38 = 1026

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

Question 15 :
Four letter clusters have been given out of which three are alike in some manner and one is different. Select the one that is different.

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

Options :
1. MPT
2. FIM
3. GJN
4. DGI

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

The logic used here is:

1st letter + 3 = 2nd letter

2nd letter + 3 = 3rd letter

Option 1: MPT

M + 3 = P

P + 4 = T

This follows the logic.

Option 2: FIM

F + 3 = I

I + 4 = M

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This follows the logic.

Option 3: GJN

G + 3 = J

J + 4 = N

This follows the logic.

Option 4: DGI

D + 3 = G

G + 4 = K

This does not follow the logic.

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

Question 16 :

In a certain code language, 'ADVANCE' is written as 'VDAAECN', and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. FFAALEB
2. FFAAELB
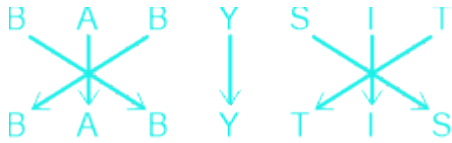3. FFAAEBL
4. AAFFELB

Solution :

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

The logic used here is:

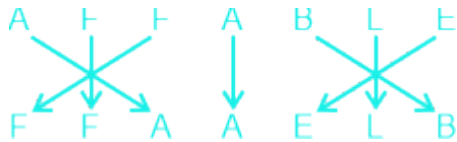'ADVANCE' is written as 'VDAAECN'

'BABYSIT' is written as 'BABYTIS'

Similarly;

Code for the word AFFABLE:

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

Question 17 :
Select the option figure that is embedded in the given figure. (Rotation is not allowed).

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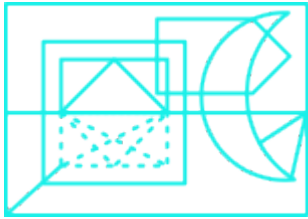
Options :

1.

2.

3.

4.

Solution :

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

The figure in option 3 is embedded in the given figure, as shown below:

Question 18 :

Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster. BEAR: DFCS:: FEEL: HFGM:: MANY:?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. OBPY
2. OCPZ
3. OBPZ
4. OBQZ

Solution :

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

The logic used here is:

BEAR: DFCS

B + 2 = D

E + 1 = F

A + 2 = C

R + 1 = S

FEEL: HFGM

F + 2 = H

E + 1 = F

E + 2 = G

L + 1 = M

Similarly,

MANY : ?

M + 2 = O

A + 1 = B

N + 2 = P

Y + 1 = Z

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

Question 19 :
Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1. Inundate 2. Invidious 3. Individual 4. Inveterate 5. Invective 6. Invincible 7. Inviolable

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

Options :

1. 1, 5, 4, 2, 3, 6, 7

2. 1, 5, 3, 4, 2, 6, 7

3. 3, 1, 5, 4, 2, 6, 7

4. 3, 1, 5, 4, 6, 2, 7

Solution :
The correct answer is **option 3** i.e. **3, 1, 5, 4, 2, 6, 7.**

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

1. Individual

2. Inundate

3. Invective

4. Inveterate

5. Invidious

6. Invincible

7. Inviolable

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

Question 20 :

If A + B means that A is the brother of B, A × B means that A is the sister of B, A ÷ B means that A is the father of B. Then which of the following expression shows that P is the sister of R?

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

Options :
1. P ÷ Q + R
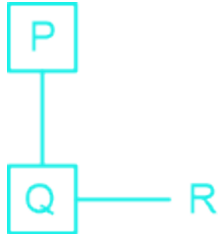2. P + Q × R
3. P × Q ÷ R
4. P × Q + R

Solution :

The correct answer is **option 4** i.e. **P × Q + R.**

In the diagram shown;

Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters, and double lines show a couple.
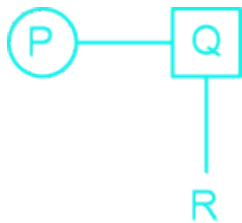
Option 1: P ÷ Q + R

Option 2: P + Q × R

Option 3: P × Q ÷ R

Option 4: P × Q + R

P — Q — R

From option 4, P is the sister of R.

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

Question 21 :
Which letter cluster will replace the question mark (?) to complete the given series? NAME, NEME, ?, NOME, NUME

Difficulty : Moderate   **Average Time : 83 Seconds**

Options :
1. NMME
2. NKME
3. NIME
4. NJME

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

Given series: NAME, NEME, ?, NOME, NUME

The series follows this pattern:

The second letter in the series is vowels starting from A. So, the third cluster will have I as the second letter.

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

Question 22 :
Which figure should replace the question mark(?) if the series were to be continued?

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

Options :

1.

=	Z	A
O	S	□
∩	P	C

2.
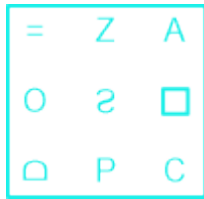
3.
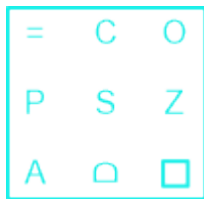
4.

Solution :

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

Given:

Logic:

For all next images: S changes to its mirror image.

For Image 2: Elements on adjacent sides move one step forward along the sides in an anticlockwise direction and elements along the corners are moving in a clockwise direction.

For image 3: Elements in 1st column from the left side are moving in an anticlockwise direction. Upper and lower elements in 2nd column interchange their positions. Elements in 3rd column from the left side are moving in a clockwise direction.

2nd and 3rd part keeps repeating.

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

Question 23 :

Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.35 × 5 × 7 × 2 × 19 = 42

Difficulty : Moderate   **Average Time : 88 Seconds**

Options :

1. 1. ×, ÷, −, +

2. 2. ÷, ×, +, +

3. 3. +, −, +, −

4. 4. ÷, ×, −, −

Solution :

The correct answer is **option 1** i.e. **×, ÷, −, +.**

Given equation: 35 × 5 × 7 × 2 × 19 = 42

Option 1: ×, ÷, −, +

After interchanging the expression becomes:

= 35 × 5 ÷ 7 - 2 + 19 = 42

= 42 is equal to 42

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

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

Question 24 :
A paper is folded and cut as shown below. How will it appear when unfolded?

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

Options :

1.

2.

3.

4.
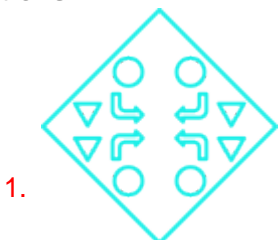
Solution :

The correct answer is **option 4**.

After unfolding, the paper will appear as follows:

Question 25 :
Select the set in which the numbers are related in the same way as the numbers of the following set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed). (16, 7, 37) (28, 9, 55)

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. (19, 6, 36)

2. (13, 4, 25)

3. (20, 7, 45)

4. (23, 8, 48)

Solution :

The correct answer is **option 2** i.e. **(13, 4, 25).**

The logic used here is:

(16, 7, 37)

16 + 7 + (7 × 2) = 16 + 7 + 14 = 37

(28, 9, 55)

28 + 9 + (9 × 2) = 28 + 9 + 18 = 55

Similarly,

(13, 4, 25)

13 + 4 + (4 × 2) = 13 + 4 + 8 = 25

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

Question 26 :

Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster. LAMB : DPEQ :: MOTH : JWSR :: NERD : ?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. FVJS

2. FUJS

3. FVIS

4. FUIS

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Solution :

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

The logic used here is:

Library: Books

Books are kept in a library.

Similarly,

Museum:?

Artefacts are kept in a museum.

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

Question 27 :
Read the given statement(s) 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 statement(s). Statements: Some stones are cubes. No cube is a glass. All bats are cubes. Conclusions: I. Some stones being bats is a possibility. II. No bat is a glass. III. All cubes are bats. IV. No stone is a glass.

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

Options :

  1. Only Conclusions I, II and IV follow

  2. Only Conclusions II and III follow

  3. Only Conclusions I and II follow

  4. Only Conclusion I follows

Solution :

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

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

Conclusions:

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I. Some stones being bats is a possibility **True** (As some stones are cubes, and all bats are cubes, so some stones being bats is a possibility.)

II. No bat is a glass **True** (As all bats are cubes, and no cube is a glass, so no bat is a glass.)

III. All cubes are bats **False** (It is possible, but no definite conclusion can be drawn.)

IV. No stone is a glass **False** (It is possible, but no definite conclusion can be drawn.)

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

Question 28 :
Parts of the following sentence have been underlined and given as options. Select the option that contains an error.
Has Gita any previous knowledge of work with junior colleagues ?

Difficulty : Moderate   Average Time : 87 Seconds

Options :

1. with

2. Has

3. any

4. work

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

- The word 'work' is erroneous placed in the given sentence. Since, the preposition 'of' is placed right before the word 'work'.
- A 'gerund' must always come after a prepositon 'of' in the given sentence.
- Thus, in the given sentence, instead of 'work', 'working' should have been used.

Therefore, the correct sentence is:

*Has Gita any previous knowledge of **working** with junior colleagues ?*

Question 29 :
In a certain code language, 'FUEL' is coded as '50', and 'JEER' is coded as '44'. How will 'FARE' be coded in that language?

Difficulty : Moderate   Average Time : 56 Seconds

Options :

38

2. 34

3. 40

4. 36

Solution :

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

The logic used here is:

'FUEL' is coded as '50'

FUEL = 6 + 21 + 5 + 12 = 44 + 6 = 50

'JEER' is coded as '44'

JEER = 10 + 5 + 5 + 18 = 38 + 6 = 44

Similarly;

Code for the word FARE:

FARE = 6 + 1 + 18 + 5 = 30 + 6 = 36

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

Question 30 :
When is Raksha Bandhan celebrated in India as per the Hindu calendar?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Amavasya, Shravan month

2. Poornima, Ashadha month

3. Amavasya, Ashadha month

4. Poornima, Shravan month

Solution :

The correct answer is **option 4** i.e. **Poornima, Shravan month**

Raksha Bandhan is observed **on the last day of the Hindu lunar calendar month of Shraavana**, which typically falls in

August. **Celebrated in Shravana month during full moon day or Purnima day**. The best time to tie Rakhi on Raksha Bandhan is during Aparahna which is late afternoon according to Hindu division of the day.

Additional detail-

First started by - Alexander the Great invaded India in 326 BCE. His wife Roxana was worried about his safety. She sent King Porus, the king of the Pauravas, a rakhi, and asked him not to hurt her husband on the battlefield. During the Battle of the Hydaspes River, King Porus saw the rakhi on his wrist.

Question 31 :

Which of the following interchanges of numbers and mathematical signs would make the given equation correct? 729 × 81 ÷ 20 + 16 6 = 50

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 6 and 20, × and ÷

2. 20 and 50, + and

3. 16 and 50, × and +

4. 16 and 20, + and ÷

Solution :

The correct answer is **option 1** i.e. **6 and 20, × and ÷.**

Given equation: 729 × 81 ÷ 20 + 16 6 = 50

Option 1: 6 and 20, × and ÷

After interchanging the expression becomes:

= 729 ÷ 81 × 6 + 16 20 = 50

= 9 × 6 + 16 20

= 54 + 16 20

= 70 - 20

= 50 is equal to 50.

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

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

Question 32 :

A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. RTM, VZX, ZFI, DLT,?

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

Options :

1. HRE
2. RST
3. TMO
4. HRS

Solution :

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

Given series: RTM, VZX, ZFI, DLT,?

The series follows this pattern:

RTM, VZX

R + 4 = V

T + 6 = Z

M + 11 = X

Similarly;

DLT,?

D + 4 = H

L + 6 = R

T + 11 = E

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

Question 33 :

The Paramhans Mandali was founded in 1840 at _____ to work for the abolition of caste.

Difficulty : Moderate   **Average Time : 48 Seconds**

Options :

Delhi

2. Calcutta

3. Bombay

4. Madras

Solution :

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

Paramhans Mandali was founded in 1840 at Bombay. It was the first socio-religious organization believed in one god. They were primarily interested in **breaking caste rules**. At their meetings food cooked by lower caste people was taken by the members.Founded by **Durgaram Mehtaji, Dadoba Pandurang.**

The basic philosophies of the society are :

1. God alone should be worshiped Real religion is based on love and moral conduct.
2. Spiritual religion is one Every individual should have freedom of thought.
3. The daily words should be consistent with reason Mankind is one caste and that the right kind of knowledge should be given to all.

The Mandali also denied the polytheism of popular Hinduism, the caste system and the Brahmanical monopoly of knowledge.The Mandali promised for freedom of thought and insisted on reason as a base for moral conduct.

Question 34 :
Select the odd group of numbers. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g.13– Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Difficulty : Moderate   **Average Time : 87 Seconds**

Options :

1. (15 – 220 – 215)

2. (10 – 100 – 95)

3. (20 – 400 – 395)

(25 – 625 – 620)

Solution :

The correct answer is **option 1** i.e. **(15 – 220 – 215).**

The logic used here is:

(1st number)^2 = 2nd number

2nd number - 5 = 3rd number

Option 1: (15 – 220 – 215)

15^2 = 225

225 - 5 = 220

Hence, **option 1** is the odd one out.

Question 35 :

By interchanging the given two signs and numbers which of the following equation will be not correct? × and –, 8 and 4 I. 4 + 3 × 8 − 2 ÷ 1 = 3 II. 8 × 2 − 4 + 6 ÷ 2 = 11

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

Options :

1. Both I and II

2. Only II

3. Neither I nor II

4. Only I

Solution :

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

Given equation:

I. 4 + 3 × 8 − 2 ÷ 1 = 3

II. 8 × 2 − 4 + 6 ÷ 2 = 11

Given conditions: × and –, 8 and 4

After interchanging the expression becomes:

I. 8 + 3 - 4 × 2 ÷ 1 = 3

= 8 + 3 - 4 × 2

= 8 + 3 - 8

= 11 - 8

= 3 is equal to 3

II. 8 × 2 − 4 + 6 ÷ 2 = 11

= 4 - 2 × 8 + 6 ÷ 2

= 4 - 2 × 8 + 3

= 4 - 16 + 3

= -9 is not equal to 11

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

Question 36 :

The Asian Games 2018 were held in which of the following countries?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. South Korea
2. Indonesia
3. Japan
4. China

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

Jakarta and Palembang, Indonesia, from18 August to 2 September 2018 the Asian Games 2018 were held.

- 45 nations were set to participate at the 2018 Asian Games.
- The 2018 Asian Games marked the second time that Indonesia had hosted the event with Jakarta having done so in 1962.
- The 2018 Asian Games was 18th edition of the event, which was first held in 1951 in New Delhi.
- The Games are recognized by the International Olympic Committee (IOC) and are described as the second largest multi-sport event after the Olympic Games held after every four year.

2022 Asian Games in **Hangzhou, China.**
- The 11th edition of the Asian Games was held in Beijing in September and October 1990. This was the first large-scale international sports event to be hosted by China.

Question 37 :
The motion of _____ body is an example of uniformly accelerated motion.

Difficulty : Moderate   Average Time : 68 Seconds

Options :

1. resting

2. Decelerating

3. parabolic

4. freely falling

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

The motion of a freely falling body moves under the acceleration due to gravity and therefore, its acceleration is constant. So, it is a **uniformly accelerated motion**.Therefore,acceleration produced in a freely falling body does not depend on the mass of the body.

Gravity of the Earth attracts every object towards its centre. When an object is released from a height, it falls towards the surface of the Earth under the influence of gravitational force. The motion of the object is said to have free fall.

- **Acceleration due to gravity**-When an object falls towards the ground from a height, then its velocity changes during the fall. This changing velocity produces acceleration in the object. This acceleration is known as acceleration due to gravity (g). Its value is given by 9.8 m/s^2.

There are two important motion characteristics that are true of free-falling objects:

- Free-falling objects do not encounter air resistance.
- All free-falling objects (on Earth) accelerate downwards at a rate of 9.8 m/s/s (often approximated as 10 m/s/s for *back-of-the-envelope* calculations)

Question 38 :
Protection of life and liberty is included under which Article of the Constitution of India?

Difficulty : Moderate   Average Time : 86 Seconds

Options :

Article 21

2. Article 23

3. Article 24

4. Article 20

Solution :

The correct answer is **option 1** i.e. **Article 21**

Article 21 - No person shall be deprived of his life or personal liberty except according to procedure established by law, nor shall any person be denied equality before the law or the equal protection of the laws within the territory of India.

- Article 21 talks about equality before the law, freedom of speech and expression, religious and cultural freedom, etc. Article 21 is valid for every citizen of India. It is also valid for foreign citizens.
- It is the most organic and progressive provision in our Indian Constitution.

Article 21 has two types of rights:

- Right to life
- Right to personal liberty
- **Everyone has the right to take part in the government of his country, directly or through freely chosen representatives**. Everyone has the right of equal access to public service in his country.

Additional information-

1. **Article 23** - **Prohibition of Traffic in Human Beings and Forced Labour**. Article 23 explicitly prohibits human trafficking, child labor, untouchability, and various other activities related to it. Anyone residing in any part of the country practicing any such kind of activity will be punished according to the law.
2. **Article 24** - Prohibition of employment of children in factories, etcAccording to constitution of India 1950.No child below the age of fourteen years shall be employed to work in any factory or mine or engaged in any other hazardous employment..
3. **Article 20** - **Article 20 of the Constitution of India is a fundamental right** which safeguards the rights of an accused/convict.Protection with respect to conviction for offences

Question 39 :

Which of the following is NOT the correct match?

Difficulty : Moderate   **Average Time : 110 Seconds**

Page No: 32

Options :

1. The acid present in tomato – Formic acid

2. The acid present in orange – citric acid

3. The acid present in grapes – Tartaric acid

4. The acid present in rancid butter – Butyric acid

Solution :

The correct answer is **option 1** i.e. **The acid present in tomato – Formic acid**

The acid present in tomatoes is **Oxalic Acid.**

ACID - A chemical that gives off hydrogen ions in water and forms salts by combining with certain metals. Acids have a sour taste and turn certain dyes red.

Acid and its source

SOURCE	ACID PRESENT
Apple	Malic acid
Lemon	Citric acid
Grape	Tartaric acid
Vinegar	Acetic acid
Curd	Lactic acid
Orange	Ascorbic acid
Tea	Tannic acid
Bee,Ant	Formic acid
Stomach , juice	Hydrochloric acid

Question 40 :

The percentage of earth's water found in the oceans is _____.

Difficulty : Moderate

Average Time : 86 Seconds

Options :

94 percent

2. 97.2 percent

3. 90.2 percent

4. 92.2 percent

Solution :

The correct answer is **option 2** i.e. **97.2 percent**

About 71 percent of the Earth's surface is water-covered, and the oceans hold about **96.5 percent** of all Earth's water as **salt water**. Two percent of the earth's water is stored as fresh water in glaciers, ice caps, and snowy mountain ranges. That leaves only one percent of the earth's water available to us for our daily water supply needs.

- Our fresh water supplies are stored either in the soil (aquifers) or bedrock fractures beneath the ground (ground water) or in lakes, rivers, and streams on the earth's surface (surface water).

The earth has different types of water:

- Oceans 97.2% of total water
- Ice caps/glaciers 2.38%
- Ground water 0.397%
- Surface water (e.g., lakes, rivers, streams, ponds) 0.022%
- Atmosphere 0.001%

Question 41 :

Who was the Mughal emperor, when a massive rebellion against british rule broke out in 1857?

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

Options :

1. Farrukhsiyar

2. Bahadur Shah Zafar

3. Akbar II

4. Aurangzeb

Solution :

The correct answer is **option 2** i.e. **Bahadur Shah Zafar**

Revolt of 1857 or First Independence war is a major historical movement taken by Indians to throw British out of India. The revolt was headed by **Bahadur Shah Zafar**, the last Mughal emperor in Delhi (Northern India).

Question 42 :

Decadal growth rate of population between 2001-2011 is _____.

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 18.70 percent

2. 15.70 percent

3. 17.70 percent

4. 16.70 percent

Solution :

The correct answer is **option 3** i.e. **17.70 percent**

The **decadal growth rate** is a vital part of the census operations. It gives an overview of the percentage of total population growth in a particular decade.Growth rate is basically increase of people in a country, state or a city. There are records that keep track of the increase and decrease in population. And it is called "decadal" as a decade consists of a period of 10 years.

Thus, the decadal growth rate gives an overview of the total population growth in a particular decade.

- As per the provisional report published during 31st March, 2011, India showed a decadal growth rate of 17.70% for the entire population as compared to 21.15 % in Census 2001. The report says, during the last decade of 2001 to 2011, population in India grew by 181 million. The latest decadal growth rate in respect of adult literacy stands at 9.21 %.

Question 43 :

Gross primary deficit is the difference between _____.

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. revenue deficit and interest receipts

2. gross fiscal deficit and interest receipts

3. revenue deficit and interest payments

4. gross fiscal deficit and net interest liabilities

Solution :

The correct answer is **option 4** i.e. **gross fiscal deficit and net interest liabilities**

Gross Primary Deficit is **Gross Fiscal Deficit less interest payments**. The gross fiscal deficit (GFD) is the excess of total expenditure including loans net of recovery over revenue receipts (including external grants) and non-debt capital receipts.

- **Gross fiscal deficit = Total expenditure – (Revenue receipts + Non-debt creating capital receipts).**
- **Gross primary deficit = Gross fiscal deficit – net interest liabilities**

Net interest liabilities consist of interest payments minus interest receipts by the government on net domestic lending

Additional Information-

Revenue deficit	It refers to the excess of total revenue expenditure of the government over its total revenue receipts. **Revenue deficit = Total Revenue expenditure – Total Revenue receipts.**
Interest receipts	Interest is a revenue receipt **because it neither creates any liability nor causes a reduction in the assets of the government**.

Question 44 :

Which of the following venues was decided to host the 2022 Asian Games?

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. Hangzhou, China
2. Guangzhou, China
3. Incheon, South Korea
4. Jakarta, Indonesia

Solution :

The correct answer is **option 1** i.e. **Hangzhou, China**

1. The 19th Asian Games 2022 was held at **Hangzhou, China**, from September 23 to October 8, 2023.

The mascots for the Asian games was the three characters known as " Memories of Jiangnan", individually these characters were known as Congcong, Lianlian, and Chenchen.

3. Theme of 19th Asian Games 2022 **Heart to Heart, @Future.**
4. Events - 482 in 40 sports.

Additional information-

- Asian games 2026 (20th Edition) will be held in Nagoya, Japan. Asian games 2030 (21st Edition) will be held in Doha, Qatar.

Question 45 :
The Revolutionary Socialist Party was established in _____.

Difficulty : Moderate   Average Time : 60 Seconds

Options :

1. 1936
2. 1925
3. 1940
4. 1929

Solution :

The correct answer is **option 3** i.e. **1940**

1. The party was founded on 19 March 1940 by Tridib Chaudhuri and has its roots in the Bengali liberation movement Anushilan Samiti and the Hindustan Socialist Republican Army.
2. The party got around 0.4% of the votes and three seats in the Lok Sabha elections in 1999 and 2004. It is part of the Left Front (West Bengal), Left Front (Tripura) and Congress-led United Democratic Front (Kerala).
3. Origins of the Revolutionary Socialist Party (RSP)**, by Buddhadeva Bhattacharya (1982).**

Question 46 :
Singers Sujatha and Ananthu have been awarded the Kalaimamani Award for the year_____ by the Tamil Nadu Government.

Difficulty : Moderate   Average Time : 53 Seconds

Options :

1. 2022
2. 2019

2021

4. 2020

Solution :

The correct answer is **option 3** i.e. **2021**

Singers Sujatha and Ananthu have been awarded the Kalaimamani Award for the year **2021** by the Tamil Nadu Government.The Kalaimamani is the highest civilian award in the state of **Tamil Nadu**, India.A cash award of **Rs. 1,00,000/-each** and a citation plaque are given to them.

- This award is given by the Tamil Nadu Iyal Isai Nataka Mandram, a unit of the Directorate of Art and Culture, Government of Tamil Nadu, to recognise artists in the state **for excellence in the performing arts and literature.**

Question 47 :
Select the INCORRECTLY spelt word.

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

Options :
1. Cemetery

2. Accommodate

3. Intruder

4. Neccessary

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

The correct spelling and meaning of the given words is:

- **Cemetery**: A cemetery is a place where the remains of dead people are buried or cremated. It is also known as a graveyard or burial ground.
- **Necessary**: Necessary refers to something that is essential, required, or needed to achieve a certain goal or purpose.
- **Accommodate**: Accommodate means to provide lodging, shelter, or space for someone or something.
- **Intruder**: An intruder is a person or thing that enters a place or situation without permission, authorization, or invitation.

Question 48 :

Select the most appropriate option to fill in the blank. The monster trucks have very _____ engines, they can probably pull a train coach without any problem.

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

Options :
1. dominant
2. forceful
3. impressive
4. powerful

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

- The blank is referring to the engines of monster trucks, and the options are "dominant," "forceful," "impressive," and "powerful."
- All of these options suggest that the engines of the monster trucks are strong and capable of performing difficult tasks.
- However, the most appropriate word to fill in the blank is "powerful," as it directly conveys the idea of the engines being able to exert a great amount of force and energy.

Therefore, the completed sentence would be:

"*The monster trucks have very powerful engines, they can probably pull a train coach without any problem.*"

Question 49 :
Which of the following element is more reactive than copper?

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

Options :
1. Gold
2. Zinc
3. Silver
4. Platinum

Solution :

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

- Zinc is more reactive than copper because **it has the ability to displace iron from its salt solution more easily**. Zinc has valence electrons and lower ionization energy, which makes it easier to donate electrons and form compounds.
- It also has a higher standard reduction potential, making it more likely for Zinc ions to be reduced and oxidize more easily. Zinc also requires only a single electron to become stable, whereas copper needs two – Zinc's ease of being oxidized makes it much more reactive than copper in many of its chemical reactions.
- **zinc is more reactive than copper.** because of its electron configuration. Copper has one electron in its outer shell (1s2 2s2 2p6 3s2 3p6 4s1), making it relatively unstable compared to zinc which has two electrons in its outer shell (1s2 2s2 2p6 3s2 3p6 4s2). Because of this difference in stability, copper will form compounds with other elements much faster than zinc will, making it the most reactive metal

Question 50 :
The New Delhi International Arbitration Centre (Amendment) Bill, 2022 was introduced in Lok Sabha on _____.

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

Options :
1. June 8, 2022
2. October 7, 2022
3. September 6, 2022
4. August 5, 2022

Solution :
The correct answer is **option 4** i.e. **August 5, 2022**

The Union Law Minister Kiren Rijiju introduced the New Delhi International Arbitration Centre (Amendment) Bill, 2022 in Lok Sabha on **5 August 2022** to amend the New Delhi International Arbitration Centre Act, 2019.

The Bill amends the New Delhi International Arbitration Centre Act, 2019. The Act provides for setting up the New Delhi International Arbitration Centre and designates it as an institute of national importance.The Bill renames the New Delhi International Arbitration Centre as the India International Arbitration Centre.

Key features of the Bill include:

- **Renaming of New Delhi International Arbitration Centre**: The Bill renames the New Delhi International Arbitration Centre as the India International Arbitration Centre.

- **Alternative Dispute Resolution:** The Act requires the Arbitration Centre to strive to facilitate the conduct

of international and domestic arbitration and conciliation. The Bill expands this to include conduct of other forms of alternative dispute resolution. The manner of conduct of arbitration and other forms of alternative dispute resolution will be specified by the central government through regulations.

- **Removal of difficulties:** The Act allows the central government to provide for removing any difficulties in implementing the Act up to two years from the date of commencement of the Act. The Bill extends this time period to five years.

- **Drafting errors:** The Bill also corrects several drafting errors in the Act.

Question 51 :

Who has been named as the next chairperson of the Securities and Exchange Board of India in March 2022?

Difficulty : Moderate   Average Time : 99 Seconds

Options :

1. Debasish Panda

2. Madhabi Puri Buch

3. T. Raja Kumar

4. Ashwani Bhatia

Solution :

The correct answer is **option 2** i.e. **Madhabi Puri Buch**

- **Madhabi Puri Buch** is the chairperson of the securities regulatory body Securities and Exchange Board of India on March 1, 2022.
- She is the first woman chairperson to lead SEBI, and also **SEBI's first non-IAS chairperson**.
- She is appointed initially for a period of three years from the date of assumption of charge of the post, or until further orders.
- Replaced Ajay Tyagi, whose five-year term came to an end.

Question 52 :

Mangubhai Chhaganbhai Patel was appointed as the Governor of _____ in July 2021.

Difficulty : Moderate   Average Time : 55 Seconds

Options :

1. Madhya Pradesh

2. Himachal Pradesh

Uttar Pradesh

4. Arunachal Pradesh

Solution :

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

- Mangubhai Chhaganbhai Patel took charge as the 19th Governor of Madhya Pradesh on 6 July 2021 by the President of India.
- He was former senior tribal leader .
- He is a leader of Bharatiya Janata Party from Gujarat.
- He served as the officiating speaker of the Gujarat Legislative Assembly in 2014.
- He has earlier served as a cabinet minister in the Government of Gujarat.
- Patel was elected to the assembly from Navsari constituency.

Question 53 :

Rearrange the parts of the sentence in correct order. We have been P. able to identify certain patterns in Q. the microbiome and immune response R. that are clearly linked to the progression and S. severity of brain injury

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

Options :

1. PQSR

2. QPSR

3. RSPQ

4. PQRS

Solution :

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

- In this rearranged sentence, the subject "We" is followed by the main verb "have been able to identify."
- Next, the direct object "certain patterns" follows the verb.
- The prepositional phrase "in the microbiome and immune response" provides additional information about the direct object.
- Finally, the relative clause "that are clearly linked to the progression and severity of brain injury" modifies the noun phrase "certain patterns."

Thus, the correct sentence is:

"We have been able to identify certain patterns in the microbiome and immune response that are clearly linked to the

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progression and severity of brain injury."

Question 54 :

Select the sentences that contains no spelling errors.

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

Options :

1. Our government has launched a relatively extensive set of reforms for aborgines inthe country.

2. Our government has launched a relatively extensive set of reforms for aborigines inthe country.

3. Our government has launched a relatively extensive set of reforms for aboregynes inthe country.

4. Our government has launched a relatively extensive set of reforms for aborigynes inthe country.

Solution :

The correct answer is **option 2** i.e. **Our government has launched a relatively extensive set of reforms for aborigines inthe country.**

- The correct sentence with no spelling errors is sentence number 2: "Our government has launched a relatively extensive set of reforms for aborigines in the country."
- The word "aborigines" is spelled correctly in this sentence, which means indigenous people or the earliest known inhabitants of a country.
- All the other options have spelling errors, such as "aborgines," "aboregynes," and "aborigynes," which are incorrect spellings and do not convey the intended meaning.

Therefore, option 2 is the correct answer as it contains no spelling errors and conveys the intended meaning correctly.

Question 55 :

Two-thirds of a certain distance was covered at the speed of 45 km/h, one-fourth at the speed of 60 km/h and the rest at the speed of 75 km/h. Find the average speed per hour for the whole journey. (correct to 2 decimal places)

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

Options :

1. 51.25 km/h

2. 45.75 km/h

3. 58.25 km/h

49.77 km/h

Solution :

The correct answer is **option 4** i.e. **49.77 km/h**

Formula used:

Average speed = total distance/total time

Calculations:

Let the whole distance be 12x

Time taken to complete two third of the distance = 8x/45

Time taken to complete one fourth of the distance = 3x/60

Time taken to complete rest distance = x/75

Using the given formula;

Required speed = 12x/(8x/45 + x/20 + x/75)

(12 × 900)/(160 + 45 + 12)

10800/217

49.77 km/h

Question 56 :
The area of a triangle is 480 cm2 and the ratio of its sides is 10 : 24 : 26. What is theperimeter of the triangle ?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 120 cm

2. 30 cm

3. 150 cm

4. 60 cm

Solution :

The correct answer is **option 1** i.e. **120 cm**

Calculations:

The ratio of the sides of triangle follow pythagoras theorem, its a right angle triangle

Let the sides of the triangle be 10x, 24x and 26x

Area of right angled triangle = (1/2) × base × Height

(1/2) × 10x × 24x = 480

$120x^2 = 480$

x = 2

Perimeter of the triangle = 10x + 24x + 26x = 60x

60 × 2 = 120 cm

Question 57 :
Damani purchased an item costing â,¹7,500 and paid â,¹3,500 as a down payment for thesame. If the simple interest charged for the remaining amount is 9% per annum and Damani cleared all dues after 4 months of the purchase, how much did Damani pay after 4 months as interest ?

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

Options :

1. â,¹120

2. â,¹100

3. â,¹132

4. â,¹125

Solution :
The correct answer is **option 1** i.e. **â,¹120**

Formula used:

Simple interest = PRT/100

where, P = principle, R = rate and T = time

Calculations:

Remaining amount after downpayment = 7500 - 3500 = 4000

Rate for 1 year = 9%

Rate of 4 month = 3%

Hence, interest after 4 months = 4000 × 3% = 120

Question 58 :

How much purse money was given to a Sangeet Natak Akademi fellow in 2019?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. â‚¹4 lakh

2. â‚¹3 lakh

3. â‚¹2 lakh

4. â‚¹1 lakh

Solution :

The correct answer is **option 3** i.e. **â‚¹3 lakh**

- Akademi Awards (Akademi Puraskar) carry a purse money of **3,00,000/- (Rupees Three Lakhs only)** . The award also carries a Tamrapatra and Angavastram.
- The Sangeet Natak Akademi Fellowship, also known as Akademi Ratna Sadasyata, is an Indian honour for the performing arts presented by Sangeet Natak Akademi.
- Kathak dancers **Raghav Raj Bhatt and Mangala Bhatt** were honoured with Akademi Puraskar for 2019.

Question 59 :

If Ram covers a certain journey at 60% of his usual speed, he reaches the destination late by 36 min. His usual time (in min) to reach the destination is:

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 60

2. 72

3. 50

4. 54

Solution :

The correct answer is **option 4** i.e. **54**

Concept used:

If the distance is constant, then speed and time are inversely proportional to each other

Calculations:

Let the usual speed be 5x

Now speed becomes = 60% of 5x = 3x

Ratio of speed = Usual speed : new speed = 5x : 3x

Ratio of time = usual time : new time = 3x : 5x

Difference between the usual and new time = 5x - 3x = 2x

2x = 36 mins

x = 18 mins

Usual time = 3x = 3 × 18 = 54 mins

Question 60 :
Which of the following Phylum have a single opening in their digestive system that serves both as a mouth and an anus?

Difficulty : Moderate   Average Time : 58 Seconds

Options :
1. Arachnids

2. Echinoderms

3. Platyhelminthes

4. Arthropods

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

Blind sac organization is the body organization that consists of a single opening serving as both the mouth and the anus. It is found in phyla like Cnidaria, Ctenophora, and Platyhelminthes.

Phylum-Platyhelminthes.commonly known as the flatworms. This have incomplete alimentary canal, there is a single opening for both ingestion and egestion. This is also called as blind sac body plan.

- They are free-living or parasites.
- Body is covered with the ciliated epithelium.
- Body is **unsegmented** and **dorsoventrally** flat.
- Excretion occurs by means of flame cells.

The digestive system may be absent or present. If present, it is described as **incomplete** due to the **absence of anus**.

- **The regeneration** process iswell marked in some flatworms like *Planaria*.

Eg:- of **Phylum-Platyhelminthes -**

- Taenia (Tapeworms)
- Fasciola (Liver fluke)
- Taenia saginata (Beef tapeworm)
- Echinococcus granulosus – The dog tapeworm.
- Planeria (freshwater flatworm) etc.

Question 61 :
Which of the following city of India was a coastal settlement where ships unloaded goods from distant lands between 2200 and 1900 years ago?

Difficulty : Moderate   Average Time : 86 Seconds

Options :

1. Karaikal

2. Veerampattinam

3. Yanam

4. Arikamedu

Solution :

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

Arikamedu, located in Pondicherry, was **a coastal settlement between 2200 and 1900 years ago**. It was a place where ships unloaded goods from distant lands.

1. A massive brick structure, which may have been a warehouse, was found at the site.
2. Roman lamps, glassware and gems have also been found at the site.
3. Small tanks have been found that were probably dyeing vats, used to dye cloth. There is plenty of evidence for the making of beads from semi-precious stones and glass.
4. **Arikamedu was first excavated in the 1940s by Sir Mortimer Wheeler's.**

Question 62 :
Which of the following is soda lime?

Difficulty : Moderate   Average Time : 58 Seconds

Options :
1. $Ca(OH)_2$ + CaO
2. KOH + CaO
3. $CaCl_2$ + CaO
4. NaOH + CaO

Solution :

The correct answer is **option 4** i.e. **NaOH + CaO**

1. Soda lime is **the mixture of calcium oxide (Cao also known as Quick lime) and sodium or potassium hydroxide (NaoH or KOH Also known as Caustic soda).**
2. It is noncombustible and soluble in water with release of heat.
3. **Chemical formula: $CaHNaO_2$**
4. It is used in granular form in closed breathing environments, such as general anaesthesia, submarines, rebreathers and recompression chambers.
5. It is used in manufacture of gas masks
6. To remove carbon dioxide from breathing gases to prevent CO_2 retention and carbon dioxide poisoning.

Additional detail-

$Ca(OH)_2$ + CaO	Slaked lime and quick lime (common name)
KOH + CaO	Caustic potash and quick lime
$CaCl_2$ + CaO	Bleaching powder and quick lime.

Question 63 :

The Centre introduced a new bill called the Criminal Procedure (Identification) Bill 2022. This Bill will repeal the Identification of Prisoners Act which was established in_____.

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

Options :
1. 1930
2. 1950
3. 1945
4. 1920

Solution :

The correct answer is **option 4** i.e. **1920**

The Criminal Procedure (Identification) Act, 2022 approved by the Parliament of India in **April 2022.** It repeals the Identification of Prisoners Act of 1920, that **allows police officers to collect certain identifiable information (fingerprints and footprints) of persons including convicts and arrested persons .Now** the newly introduced Bill asks for collection of biometric data from convicted prisoners.

Under Criminal Procedure (Identification) Act, 2022.The Bill describes:

- the type of data that may be collected
- persons from whom such data may be collected
- the authority that may authorize such collection.
- It also provides for the data to be stored in a central database.
- This will help the investigating agencies to gather sufficient legally admissible evidence and establish the crime of the accused person.
- This will make the investigation of crime more efficient and expeditious and will also help in increasing the conviction rate.
- The act is important as it enables the use of modern technology for solving crimes which are necessary to serve justice to victims of crimes.

Question 64 :

The pie chart given below shows the sales of 7 different companies. The total sales of all these 7 companies are 2880. The sale of a particular company is shown in terms of degree with respect to the total sales of all these 7 companies. The average sales of G and H is how much percent more than the average sales of D and I?

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. 18.86 percent

2. 24.25 percent

3. 56.21 percent

4. 22.86 percent

Solution :

The correct answer is **option 4** i.e. **22.86 percent**

Calculations:

Value of 1° = 2880/360 = 8

Average sales of G and H = 13° + 73° = 86°/2 = 43°

43 × 8 = 344

Average sales of D and I = 17° + 53° = 70°/2 = 35°

35 × 8 = 280

Required difference = 344 - 280 = 64

Required percentage = (64/280) × 100 = 22.86%

Question 65 :
Where was the first Jute factory in India established ?

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

Options :

1. Cuttack, Odisha

2. Ongole, Andhra Pradesh

3. Rishra, West Bengal

4. Raigarh, Chhattisgarh

Solution :

The correct answer is **option 3** i.e. **Rishra, West Bengal**

- The Acland Mill was the first jute mill established in India.The mill was set up in **1855** by British entrepreneur in **Rishra near Kolkata (west Bengal).**
- **Mr. George Acland** brought jute spinning machinery from Dundee.
- After Partition in 1947, the jute mills remained in India but three-fourth of the jute producing area went to Bangladesh (erstwhile East Pakistan).
- The state of Bengal was chosen to set up jute mills because there was an abundant supply of labor, ample coal for power, and the city was ideally situated for shipping to world markets.

Question 66 :
In which of the following states was 'Kudumbashree,' women-oriented, community–-based, poverty-reduction programme implemented ?

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

Options :

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Maharashtra

2. Kerala

3. Bihar

4. Uttar Pradesh

Solution :

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

- Prime Minister of India Atal Bihari Bajpeyee inaugurated the mission at **Malappuram district of Kerala** on 17 May 1998.
- Kudumbashree is the poverty eradication and women empowerment programme implemented by the State Poverty Eradication Mission (SPEM) of the Government of Kerala.
- Kudumbashree was **launched in 1998** as a community network that would work in tandem with local self governments for poverty eradication and women empowerment.
- Started functioning on **1st April 1999** under the local self-government department.
- It consist of a three tier structure with Neighbourhood Groups (NHGs) as primary level units, Area Development Societies (ADS) at the ward level, and Community Development Societies (CDS) at the local government level.
- It is one of the largest women's networks in the world.
- Its main features include democratic leadership, and support structures formed from the 'Kudumbashree family'.

Question 67 :

$$\left(16\cos^3\frac{\pi}{6} - 12\cos\frac{\pi}{6} = \underline{\hspace{2cm}}.\right)$$

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 0

2. 2

3. 1

4. −1

Solution :

The correct answer is **option 1** i.e. **0**

Concept used:

Trigonometry value based method

Calculations:

We know that $\cos \frac{\pi}{6} = 30^o$

And, value of cos 30° = $\frac{\sqrt3}{2}$

Now, according to the question,

16 cos^3 30° - 12 cos 30°

16 × (3/2)^3 - 12 × (3/2)

16 × 33/8 - 63

63 - 63 = 0

Question 68 :
Two equal circles of radius 8 cm intersect each other in such a way that each passes through the centre of the other. The length of the common chord is:

Difficulty : Moderate   Average Time : 57 Seconds

Options :

1. $8\sqrt 3 \;{\mathop{\rm cm}\nolimits}$

2. $\sqrt 3 \;{\mathop{\rm cm}\nolimits}$

3. $2\sqrt 3 \;{\mathop{\rm cm}\nolimits}$

4. $4\sqrt 3 \;{\mathop{\rm cm}\nolimits}$

Solution :
 The correct answer is **option 1** i.e. $8\sqrt 3 \;{\mathop{\rm cm}\nolimits}$

Concept used:

Pythagoras theorem

Calculation:
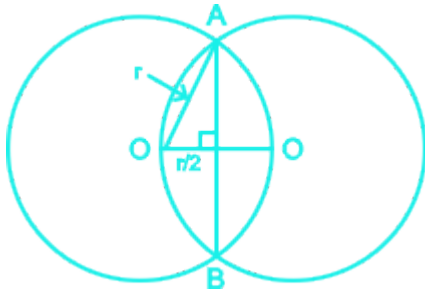
In the following figure, we have

OA = r, OO' = r

AM is perpendicular to OO'

Hence, OM = O'M = r/2

Common tangent = AB = 2AM

Using pythagoras theorem, we get

$AM^2 = OA^2 - OM^2$

$AM^2 = r^2 - (r/2)^2$

$AM^2 = r^2 - r^2/4$

$AM^2 = 3r^2/4$

AM = 3r/2

Now, AB = 2 × 3r/2 = 3r

We have the value of radius i.e. r = 8 cm

Theorefore, the length of the common tangent = 83 cm

Question 69 :
The table given below shows the number of bicycle sold by six companies. Companies Bicycle A 60 B 90 C 120 D 165 E 180 F 120 What are the ratio of number of bicycle sold by B to the number of bicycle sold by D?

Difficulty : Moderate   **Average Time : 94 Seconds**

Options :

1. 11 : 5

2. 11 : 6

   5 : 13

4. 6 : 11

Solution :

The correct answer is **option 4** i.e. **6 : 11**

Calculations:

Number of bikes sold by B = 90

Number of bikes sold by D = 165

Required ratio = 90 : 165

 6 : 11

Question 70 :
A chord of length 42 cm is drawn in a circle having diameter 58 cm. What is the minimum distance of other parallel chord of length 40 cm in the same circle from 42cm long chord?

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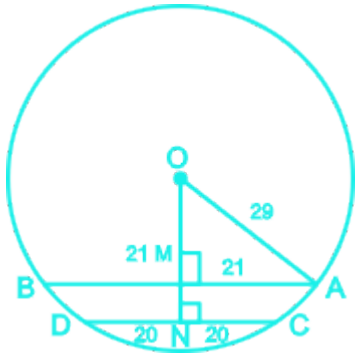
Options :

1. 4 cm

2. 1 cm

3. 3 cm

4. 2 cm

Solution :

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

Calculations:

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We have the following figure,

Diametre = 58 cm, radius = 29 cm

If we have another chord and we have to find the minimum distance between them, then the chord will be on the same side.

MN is the minimum distance between the chords

OM is the perpendicular on chord AB which divides the chord in two equal halves

Hence, BM = AM = 29 cm

Using pythagoras theorem in triangle OMA, we get

$OA^2 = OM^2 + AM^2$

$29^2 = OM^2 + 21^2$

$OM^2 = 841 - 441$

$OM^2 = 400$

OM = 20 cm

Similarly using pythagoras theorem in triangle ONC, we get

$ON^2 = 29^2 - 20^2$

ON = 21

Hence, the distance between parallel chord = OM - ON = MN = 21 - 20 = 1 cm

Question 71 :
6 men and 8 women can do a piece of work in 10 days, whereas 26 men and 48 women can do the same work in 2 days. What will be the time taken by 15 men and 20 women to do the same work?

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. 6 days

2. 10 days

3. 4 days

4. 8 days

Solution :

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

Concept used:

Work and efficiency

Calculations:

Let the number of men be m and women be w

According to the questions;

$(6m + 8w) \times 10 = (26m + 48w) \times 2$

$30m + 40w = 26m + 48w$

$4m = 8w$

$m : w = 2 : 1$

Total work = $(6 \times 2 + 8) \times 10 = 200$

Required days = $200/(15 \times 2 + 20) = 200/50 = 4$ days

Question 72 :
The following table gives the subscription of different schemes of a Mutual Fund Company over the months.
(Rupees in crores) Months Scheme Total V W X Y Z September 200 70 30 290 10 600 October 120 130 70 150 290 760 November 45 35 25 125 160 390 December 160 110 40 115 130 555 January 80 90 70 100 140 480 February 130 150 30 40 390 740 What is the difference in the subscription of scheme X between December and February?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 10 crores

    18 crores

3. 8 crores

4. 25 crores

Solution :

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

Calculations:

Subscription of scheme X in december = 40 crores

Subscription of scheme X in february = 30 crores

Required difference = 40 - 30 = 10 crores

Question 73 :
The value of $\left(\frac{428 \times 428 \times 428 + 348 \times 348 \times 348}{428 \times 428 - 428 \times 348 + 348 \times 348}\right)$

Difficulty : Moderate   **Average Time : 39 Seconds**

Options :

1. 776

2. 62080

3. 80

4. 40

Solution :

The correct answer is **option 1** i.e. **776**

Formula used:

$x^3 + y^3 = (x + y)(x^2 - xy + y^2)$ ---- (1)

Calculations:

Let 428 be x and 348 be y

Using equation (1), we get

$\frac{x \times x \times x + y \times y \times y}{x \times x - x \times y + y \times y}$

$\frac{x^3 + y^3}{x^2 - xy + y^2}$

$\frac{(x + y)(x^2-xy+y^2)}{x^2 - xy + y^2}$

(x + y)

428 + 348 = 776

Question 74 :

If the 5-digit number 750PQ is divisible by 3, 7 and 11, then what is the value of P + 2Q ?

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

Options :

1. 17
2. 15
3. 18
4. 16

Solution :

The correct answer is **option 1** i.e. **17**

Calculations:

Let the value of P and Q be 9

Dividing 75099 by 3 × 7 × 11 = 231, we get remainder = 24

Hence, original number = 75099 - 24 = 75075

P = 7 and Q = 5

Required value = P + 2Q

7 + 2 × 5 = 7 + 10

17

Question 75 :

Raju, Ravi and Ashok contested an election. 5% votes polled were invalid. Raju got 30% of the total votes. Ravi got 32% of the total votes. The winner got 5136 more votes than the person who received the least number of votes. Find the total number of votes polled.

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

Options :

171200

2. 64200

3. 171220

4. 172100

Solution :

The correct answer is **option 1** i.e. **171200**

Calculations:

Let the total number of votes be 100x

Votes secured by raju = 30% of 100x = 30x

Votes secured by ravi = 32% of 100x = 32x

5% votes were invalid, hence ashok got = 100x - 30x - 32x - 5x = 33x

Difference between the number of votes secured by winner and the person who got least votes

33x - 30x = 3x

According to the question;

3x = 5136

x = 1712

Therefore, total number of votes polled = 100x

100 × 1712 = 171200

Question 76 :

A horse was sold for Rs.60,000 at a profit of 20%. For what price should he have sold to gain a 30% profit ?

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

Options :

1. Rs.64,000

2. Rs.65,000

3. Rs.50,000

4. Rs.55,000

Solution :

The correct answer is **option 2** i.e. **Rs.65,000**

Given:

SP = Rs 60000

Profit% = 20%

Formula used:

SP = CP + CP × P%   ---- (1)

Where, SP = selling price, CP = cost price and P = profit

Calculations:

Let the CP be x

Using equation (1), we get

60000 = x + 20% of x

60000 = 1.2x

60000/1.2 = x

x = 50000

Hence, Selling price when the profit is 30%.

SP = 50000 + 30% of 50000

SP = 50000 + 15000

SP = Rs 65000

Question 77 :

If $\left(\dfrac{\mathop{a}\limits^{2} + \mathop{b}\limits^{2} + \mathop{c}\limits^{2} - 1024}{\mathop{ab}\limits - \mathop{bc}\limits - \mathop{ca}\limits}\right) = -2$ and a + b = 5c, where c > 0, then the value of c is _____.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 8

2. 4

12

4. 5

Solution :

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

Given:

a + b = 5c

Formula used:

$(a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca)$

Calculations:

According to the question;

$a^2 + b^2 + c^2 - 1024 = -2ab + 2bc + 2ca$

$a^2 + b^2 + c^2 + 2ab - 2bc - 2ca = 1024$

Using the formula given above, we get

$(a + b - c)^2 = 32^2$

a + b - c = 32

5c - c = 32

4c = 32

c = 8

Question 78 :
The pie chart given below shows the production of 6 different factories. The total production of all these 6 factories are 22000. The production of a particular factory isshown as a percent of total production of all these 6 factories P1 = The value of average production of A, C, D and F. P2 = The difference between the production of B and E. What is the value of (P1 + P2)?

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

Options :

1. 2525

2. 6545

3525

4. 4565

Solution :

The correct answer is **option 4** i.e. **4565**

Calculations:

P1 = (37 + 20 + 4 + 10)% = (71/4)%

P2 = (16 - 13)% = 3%

Required value = P1 + P2

 (71/4)% + 3%

 (83/4)% of 22000

 4565

Question 79 :

If p + q = 6 and pq = 4, then what is the value of p3 + q3 ?

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

Options :

1. 81

2. 64

3. 144

4. 256

Solution :

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

Given:

p + q = 6 and pq = 4

Formula used:

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

Calculation:

Using the above formula, we get

$(p + q)^3 = p^3 + q^3 + 3pq(p + q)$

$(6)^3 = p^3 + q^3 + 3(4)(6)$

$p^3 + q^3 = 216 - 72$

$p^3 + q^3 = 144$

Question 80 :
The ratio of two numbers is 5 : 4 and their HCF is 4. What is their LCM?

Difficulty : Moderate

Average Time : 59 Seconds

Options :
1. 80
2. 48
3. 36
4. 60

Solution :
The correct answer is **option 1** i.e. **80**

Formula used:

LCM = a × b × HCF

Where, a and b are the two numbers in ratio

Calculations:

Let the two numbers be 5x and 4x

Using the formula;

5 × 4 × 4 = LCM

LCM = 80

Question 81 :
If $\cos A = \frac{9}{41}$, find cotA.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. $\frac{9}{40}$

2. $\frac{41}{40}$

3. $\frac{40}{9}$

4. $\frac{9}{41}$

Solution :

The correct answer is **option 1** i.e. $\frac{9}{40}$

Concept used:

In a triangle ABC,

Cos A = base/hypotenuse

where, Cot A = base/perpendicular

Calculation:

Base = 9 and hypotenuse = 41

Using pythagoras theorem,

$Perpendicular^2 = Hypotenuse^2 - base^2$

$41^2 - 9^2 = perpendicular^2$

$perpendicular^2 = 1600$

perpendicular = 40

Hence, cot A = 9/40

Question 82 :

A truck runs 492 km on 36 Litre of diesel. How many kilometres can it run on 33 Litre of diesel ?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 454 km

2. 453 km

3. 451 km

452 km

Solution :

The correct answer is **option 3** i.e. **451 km**

Calculations:

Mileage = 492/36 km per litre

Distance travelled in 33 litre = (492/36) × 33

 451 km

Question 83 :

In the given triangle, CD is the bisector of BCA. CD = DA. If BDC = 76⁰, what is the degree measure of CBD?

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

Options :

1. 32°

2. 76°

3. 80°

4. 66°

Solution :

The correct answer is **option 4** i.e. **66°**

Calculations:

we know that CD = AD

So, CAD = ACD = y and CDA = 104

In triangle ACD, we have

 CAD + ACD + CDA = 180

 y + y + 104 = 180

 2y = 76

 y = 38

 BCD = ACD = 38

Hence, in triangle BCD, we have

 BCD + BDC + CBD = 180

 38 + 76 + CBD = 180

 CBD = 66

Question 84 :

A dealer buys an old cooler listed at â,¹650 and gets successive discounts of 20% and 10%. He spends â,¹38 on its repairs and sells it at a profit of 20%. Find the selling priceof the cooler.

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

Options :

1. â,¹7.80

2. â,¹700

3. â,¹790

4. â,¹607.2

Solution :

The correct answer is **option 4** i.e. **â,¹607.2**

Given:

Marked price of cooler = 650

Two successive discounts = 20% and 10%

Repairing cost = 38

Calculations:

Cost of cooler after two successive discounts of 20% and 10% = 20 + 10 - 200/100 = 28%

Cost price = 72% of 650 = 468

Total cost after repairing = 468 + 38 = 506

Selling price for a profit of 20% = 120% of 506

 607.2

Question 85 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Rehan

and Ronit are / good friends and / it don't matter to them / as to who is wealthier.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. good friends and

2. it don't matter to them

3. Rehan and Ronit are

4. as to who is wealthier

Solution :

The correct answer is **option 2** i.e. **it don't matter to them.**

- The third segment, "it don't matter to them," contains a grammatical error.
- The verb "don't" is incorrect as it is the contraction of "do not," which is plural in nature.
- The correct verb in this context should be "doesn't," which is the contraction of "does not" and is singular in nature.

Therefore, the correct sentence is:

"Rehan and Ronit are good friends and it doesn't matter to them as to who is wealthier."

Question 86 :
Select the most appropriate synonym of the given word. Moral

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Ethical

2. Honourable

3. Godliness

4. Symphony

Solution :

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

The meaning of the given word is:

- **Moral**: relating to principles of right and wrong behavior; concerned with the distinction between good and evil

Ethical: relating to moral principles or the branch of knowledge dealing with these principles
- **Honorable**: deserving respect or admiration; bringing or worthy of honor
- **Godliness**: the quality of being devoutly religious or pious; a state of being godly or godlike
- **Symphony**: a long musical composition for a full orchestra, typically in four movements, at least one of which is traditionally in sonata form. It can also refer to a harmonious combination of different elements or things.

*Thus, the most appropriate synonym for the given word is **Ethical.***

Question 87 :
Choose the correct meaning of the given idiom. A skeleton in the cupboard

Difficulty : Moderate

Average Time : 71 Seconds

Options :
1. A popular fact which is not hidden
2. A popular fact to be kept secret
3. An embarrassing fact not to be kept secret
4. An embarrassing fact to be kept secret

Solution :

The correct answer is **option 4** i.e. **An embarrassing fact to be kept secret.**

The idiom "a skeleton in the cupboard" refers to a shameful or embarrassing secret that someone wants to keep hidden from others.

*The most appropriate choice among the given set of words is **an embarrassing fact to be kept secret.***

Question 88 :
Rearrange the parts of the sentence in correct order. The rattlesnake P. it has specialized Jacobson's Q. organs, which gives it a heightened R. knows when to lie low because S. sense of smell to detect prey

Difficulty : Moderate

Average Time : 60 Seconds

Options :
1. RPQS

SPRQ

3. QSPR

4. QPRS

Solution :

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

- The given sentence is in a jumbled order, and the parts of the sentence need to be rearranged to form a grammatically correct sentence.
- The correct sentence order starts with the subject "the rattlesnake" followed by the verb "knows."
- Then, the reason or cause for the action is explained using the phrase "because it has specialized Jacobson's organs."
- After that, the sentence continues with the relative clause "which gives it a heightened sense of smell."
- Finally, the sentence ends with the purpose of the heightened sense of smell, which is "to detect prey."

The correct order of the sentence is:

The rattlesnake knows when to lie low because it has specialized Jacobson's organs, which gives it a heightened sense of smell to detect prey.

Question 89 :

Choose the most appropriate meaning of the underlined word in the given sentence. Even though Margaret had already eaten a large meal, she could not resist eating two slices of the delectable pie.

Difficulty : Moderate	Average Time : 77 Seconds

Options :

1. Stale

2. Delicious

3. Nutritious

4. Rotten

Solution :

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

The meaning of the given words is:

- **Delectable**: Something that is very pleasant or enjoyable to taste, smell, or look at. It is a synonym of "delicious"

and is used to describe food or drinks that are very tasty and appealing.

- **Delicious**: Something that is very pleasing or satisfying to the taste or smell. It is used to describe food or drinks that are very enjoyable and appetizing.
- **Stale**: Something that is no longer fresh or has lost its quality. It is used to describe food, drinks, or other things that have been kept for too long and are no longer in their prime condition.
- **Nutritious**: Something that provides nourishment and essential elements to maintain good health. It is used to describe food or drinks that are rich in nutrients and are beneficial for the body.
- **Rotten**: Something that has decayed or gone bad and is no longer fit for consumption or use. It is used to describe food, fruits, or vegetables that have decomposed or become moldy and are not safe to eat.

*Thus, the most appropriate synonym is **Delicious.***

Question 90 :

Select the correct indirect form of the given sentence. She said to me, "The charlatan will be breaking into the safe."

Difficulty : Moderate   **Average Time : 94 Seconds**

Options :

1. She told me that the charlatan would be breaking into the safe.

2. She said to me that the charlatan will be breaking in the safe.

3. She said to me that the charlatan can be breaking into the safe

4. She said to me that the charlatan is breaking into the safe.

Solution :

The correct answer is **option 1** i.e. **She told me that the charlatan would be breaking into the safe.**

To convert the given statement into its indirect form, the following rules should be followed:

- Identify the reporting verb, which is "said," and the tense it is in, which is the past tense.

- Identify the direct speech, which is "The charlatan will be breaking into the safe."

Introduce a reporting clause using the reporting verb, in the tense identified in step 1, followed by the conjunction "that." In this case, the reporting clause would be "She told me that."

- Rewrite the direct speech as reported speech, making the necessary changes to pronouns, tenses, and other words that may need to be changed to make the sentence grammatically correct in indirect speech.

Thus, the indirect form of the given statement is:

She told me that the charlatan would be breaking into the safe.

Question 91 :
Select the most appropriate meaning of the given idiom. Fly into a passion

Difficulty : Moderate   **Average Time : 91 Seconds**

Options :
1. To be aggressive at times
2. To become aggressive often
3. To become angry suddenly
4. To be always angry

Solution :
The correct answer is **option 3** i.e. **To become angry suddenly.**

- The idiom "fly into a passion" means to suddenly become very angry, lose control of one's emotions, and become very upset or agitated.
- This phrase suggests that the person's emotions are so intense that they become uncontrollable, like a bird flying erratically and chaotically when disturbed.

*Thus, the most appropriate meaning of the given words is **To become angry suddenly.***

Question 92 :
Select the correct passive form of the given sentence. Shalu has ordered new copies of the album.

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

Options :
1. New copies of the album have being ordered by Shalu
2. New copies of the album has been ordered by Shalu.

New copies of the album has been order by Shalu.

4. New copies of the album have been ordered by Shalu.

Solution :
The correct answer is **option 4** i.e. **New copies of the album have been ordered by Shalu.**

To convert the given statement into its passive form, the following rules should be followed:

- Identify the subject, verb, and object of the given sentence. In this case, the subject is "Shalu," the verb is "has ordered," and the object is "new copies of the album."

- Move the object of the sentence to the beginning of the new sentence, and make it the new subject. In this case, "new copies of the album" becomes the subject of the new sentence.

- Add the auxiliary verb "be" in the same tense as the original verb. In this case, since the original verb is in the present perfect tense, we will use "have been."

- Add the past participle of the original verb. In this case, the past participle of "ordered" is "ordered."

- Add the preposition "by" followed by the doer of the action, if known. In this case, the doer of the action is not specified, so we will omit this part of the passive sentence.

The correct sentence is:

"New copies of the album have been ordered by Shalu."

Question 93 :
Select the most appropriate ANTONYM of the underlined word in the given sentence. God has clearly blessed human beings for his glory.

Difficulty : Moderate   **Average Time : 106 Seconds**

Options :
1. Appointed

2. Produced

3. Applied

4. Cursed

Solution :

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

The meaning of the given words is:

- **Blessed**: made holy or consecrated; enjoying happiness or good fortune; favored or fortunate.
- **Cursed**: the opposite of blessed; deserving or bringing a curse; expressing anger, disapproval, or disappointment.
- **Appointed**: chosen or selected for a specific job, position, or duty; established or arranged by authority or agreement.
- **Produced**: brought into existence; created or manufactured; made or caused to happen.
- **Applied**: put into operation or use; practical or relevant to a specific situation; used with reference to a skill or knowledge.

Thus, the most appropriate antonym for the given word is ***Cursed.***

Question 94 :

Select the option that can be used as a one-word substitute for the given group of words. A person in love with himself

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

Options :

1. Narcissist

2. Lunatic

3. Stoic

4. Polyglot

Solution :

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

The meaning of the given words is:

- **Narcissist**: a person who has an excessive interest in or admiration of themselves; a self-centered person who seeks attention and admiration from others.
- **Lunatic**: a person who is mentally ill, especially one who behaves in a bizarre or dangerous manner; an extremely foolish or eccentric person.
- **Stoic**: a person who accepts what happens without complaining or showing emotion; a person who does not show or experience emotions, especially pleasure or pain.

Polyglot: a person who knows and is able to use several languages; a multilingual person.

*Thus, the most appropriate one word substitution for the given set of words is **Narcissist.***

Question 95 :

Select the correct passive form of the given sentence. He has downloaded the movie on his phone.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. The movie has been downloaded by him on his phone

2. The movie was downloaded by him on his phone.

3. The movie is been downloaded by him on his phone.

4. The movie are being downloaded by him on his phone.

Solution :

The correct answer is **option 1** i.e. **The movie has been downloaded by him on his phone.**

To convert the given statement into its passive form, the following rules should be followed:

- Identify the subject, verb, and object of the given sentence. In this case, the subject is "he," the verb is "has downloaded," and the object is "the movie."

- Move the object of the sentence to the beginning of the new sentence, and make it the new subject. In this case, "the movie" becomes the subject of the new sentence.

- Add the auxiliary verb "be" in the same tense as the original verb. In this case, since the original verb is in the present perfect tense, we will use "has been."

- Add the past participle of the original verb. In this case, the past participle of "downloaded" is "downloaded."

- Add the preposition "by" followed by the doer of the action, if known. In this case, the doer of the action is not specified, so we will omit this part of the passive sentence.

Thus, the most appropriate passive form of the given statement is:

"The movie has been downloaded by him on his phone."

Question 96 :

Select the option that can be used as a one-word substitute for the given group of words. Giving the worrying impression that something bad is going to happen

Difficulty : Moderate

Average Time : 107 Seconds

Options :
1. Desolate
2. Suspicious
3. Ominous
4. Bleak

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

The meaning of the given word is:

- **Ominous**: suggesting that something bad or unpleasant is likely to happen in the future; giving the impression that something bad or dangerous is going to happen soon.
- **Desolate**: deserted of people and in a state of bleak and dismal emptiness; feeling or showing great unhappiness or loneliness.
- **Suspicious**: having or showing a cautious distrust of someone or something; feeling or showing doubt or uncertainty about something.
- **Bleak**: lacking vegetation and exposed to the elements; cold and miserable; without hope or encouragement; unlikely to have a positive outcome.

*Thus, the most appropriate one word substitution for the given set of words is **Ominous.***

Question 97 :
Select the most appropriate option that can substitute the underlined segment in the given sentence. The new shop that opened last week are hardly sufficient stock of the products that it advertised about.

Difficulty : Moderate

Average Time : 72 Seconds

Options :
1. hardly hadn't
2. does not have
3. hardly is having
4. is had

Solution :
The correct answer is **option 2** i.e.**does not have.**

- In the given sentence, the subject and verb do not agree in number, which is a grammatical error. The subject "new shop" is singular, but the verb "are" is plural. The correct verb form for a singular subject should be "is."
- The most appropriate option to substitute the underlined segment would be "does not have" or "has hardly." Both options correct the grammatical error and convey the intended meaning of the sentence.
- To correct the sentence, we can replace "are" with "does have," which will make the verb agree with the singular subject.

The correct sentence would be:

*The new shop that opened last week **does not have** sufficient stock of the products that it advertised about.*

Comprehension :
In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The Romans had developed a (1)_____ for chariot racing. The (2)_____ of the game are so excited that sometimes it may (3)_____ into chaos, confusion and riots. The (4)_____ in which racing took place was called a circus. The (5)_____ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

Question 98 :
Select the most appropriate option to fill in blank no. 2.

Difficulty : Moderate   **Average Time : 94 Seconds**

Options :
1. campaigners
2. reformers
3. champions
4. supporters

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

- In the given sentence, we need to fill in the blank with a noun that refers to people who are actively trying to change or improve something related to the game.
- The sentence states that the people who are excited about the game can turn their excitement into chaos, confusion, and riots.
- This implies that the people being referred to have a strong emotional connection to the game.
- The most appropriate option to fill in the blank would be "supporters," which refers to people who actively support a

team or cause.

The correct sentence is:

"The supporters of the game are so excited that sometimes it may convert into chaos, confusion, and riots."

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The Romans had developed a (1)_____ for chariot racing. The (2)_____ of the game are so excited that sometimes it may (3)_____ into chaos, confusion and riots. The (4)_____ in which racing took place was called a circus. The (5)_____ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

Question 99 :
Select the most appropriate option to fill in blank no. 3.

Difficulty : Moderate   **Average Time : 88 Seconds**

Options :
1. adapt
2. reshape
3. transfigure
4. convert

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

- In the given sentence, we need to fill in the blank with a verb that means "to change or transform something.
- The sentence states that the supporters of the game are so excited that it may turn into chaos, confusion, and riots.
- This implies that the excitement of the supporters can change the situation into something negative.
- Thus, the most appropriate filler for the given blank is convert which means "
change the form, character, or function of something."

Thus, the correct sentence is:

*"The supporters of the game are so excited that sometimes it may **convert** into chaos, confusion, and riots."*

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate

option to fill in each blank. The Romans had developed a (1)_____ for chariot racing. The (2)_____ of the game are so excited that sometimes it may (3)_____ into chaos, confusion and riots. The (4)_____ in which racing took place was called a circus. The (5)_____ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

Question 100 :
Select the most appropriate option to fill in blank no. 5.

Difficulty : Moderate

Average Time : 86 Seconds

Options :
1. larger
2. highest
3. largest
4. higher

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

- The sentence states that the structure was able to hold up to 3,85,000 spectators, which indicates that it was a very large structure.
- So, we need to choose the option that indicates the highest degree of size.
- The correct option in this context would be "largest."

The correct sentence is:

"The largest one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport."

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-12-01 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 Quantitative Aptitude, 25 questions were asked from English Language, 25 questions were asked from General Awareness and 25 questions were asked from Logical Reasoning
4. 33 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Quantitative Aptitude

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

English Language

1. Cloze Test - 5
2. Spotting Error - 2
3. Sentence Jumbles - 2
4. Idioms - 2
5. One Word Substitution - 2
6. Fillers - 3
7. Narration - 1
8. Voice - 2
9. Sentence Improvement - 1
10. Synonym - 2
11. Antonym - 1
12. Correctly Spelt - 1
13. Incorrectly Spelt - 1
14. Incorrectly Spelt - 1

General Awareness

Logical Reasoning

1. Coding Decoding - 2
2. Analogy - 5
3. Classification - 2
4. Blood Relations - 2
5. Syllogism - 2
6. Dictionary Based - 1
7. Figure Based - 4
8. Series - 3
9. Mathematical Reasoning - 3
10. Seating Arrangement And Puzzle - 1

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks

TIPS & TRICKS

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

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