



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 2023-10-27 in the Morning Shift 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 :

The seats for Mathematics, English, and Chemistry in a school are in the ratio of 6 : 4 : 7. If these seats are increased by 20%, 40% and 60%, respectively, the ratio of the increased seats is:

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 9 : 7 : 8
2. 9 : 7 : 14
3. 1 : 2 : 3
4. 7 : 9 : 14

Solution :

The correct answer is **Option 2** i.e. **9 : 7 : 14**.

Let the Mathematics, English, and Chemistry seats be 600, 400, and 700.

Seats are increased by 20%, 40% and 60%.

$$600 \times 120/100 : 400 \times 140/100 : 700 \times 160/100$$

$$600 \times 120 : 400 \times 140 : 700 \times 160$$

$$72000 : 56000 : 112000$$

$$72 : 56 : 112$$



9 : 7 : 14

Question 2 :

Who is known as the father of the green revolution in the world?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Ralph Bunche
2. Linus Pauling
3. MS Swaminathan
4. Norman Borlaug

Solution :

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

- Norman Borlaug is known as the "Father of the Green Revolution" in the world.
- Borlaug is an American agricultural scientist and plant pathologist.
- He won the Nobel Peace Prize in 1970.
- He is credited with saving over a billion people from starvation.

Question 3 :

Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number. $243 : 9 :: 72 : 6 :: 576 : ?$

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 12
2. 18
3. 24
4. 14

Solution :

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

The logic: **First Number = (Second Number)² × (Second Number ÷ 3)**

$$243 : 9 \quad 243 = (9)^2 \times (9 \div 3)$$



$$243 = 81 \times 3$$

$$243 = 243$$

LHS = RHS

72 : 6

$$72 = (6)^2 \times (6 \div 3)$$

$$72 = 36 \times 2$$

$$72 = 72$$

LHS = RHS

Similarly,

576 : ?

$$576 = (?)^2 \times (? \div 3)$$

$$576 \times 3 = (?)^3$$

$$1728 = (?)^3$$

$$? = 12$$

Hence, the correct answer is **12**.

Question 4 :

Which two numbers and two signs should be interchanged in the following equation to make it correct? $14 + 16 - 14 \times 9 + 4 = 61$

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 16 and 14, + and x
2. 16 and 9, + and -
3. 14 and 4, - and +
4. 14 and 9, + and x

Solution :

The correct answer is **option 2** i.e. **16 and 9, + and -**

From option 2): 16 and 9, + and -

After interchanging '16 and 9', and '+' and '-', we get:

$$\text{L.H.S} = 14 - 9 + 14 \times 16 \div 4$$

$$= 5 + 56$$

$$= 61 = \text{R.H.S}$$

Hence, the correct answer is **16 and 9, + and -**.

Question 5 :

Three statements are given, followed by four conclusions numbered I, II, III and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements: Some cooks are poets. All poets are priests. Some priests are doctors. Conclusions: I. Some cooks are priests. II. Some priests are cooks. III. All doctors are priests. IV. Some doctors are priests.

Difficulty : Moderate

Average Time : 65 Seconds

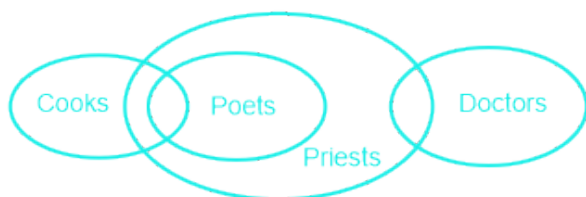
Options :

1. Only conclusions I, II and III follow
2. None of the conclusions follow
3. Only conclusions I, II and IV follow
4. Only conclusions II, III and IV follow

Solution :

The correct answer is **option 3** i.e. **Only conclusions I, II and IV follow**.

The least possible Venn diagram:

**Conclusions:**

- I. Some cooks are priests True (As Some cooks are poets and All poets are priests so, Some cooks are priests is true)
- II. Some priests are cooks True (As Some cooks are poets and All poets are priests so, Some priests are cooks is true)

III. All doctors are priests False (As Some priests are doctors so, All doctors are priests is false)

IV. Some doctors are priests True (As Some priests are doctors so, Some doctors are priests is true)

Hence, the correct answer is **Only conclusions I, II and IV follow.**

Question 6 :

Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1. Cheetah 2. Chemical 3. Cheering 4. Cheese 5. Chestnut 6. Cheaper

Difficulty : Moderate

Average Time : 82 Seconds

Options :

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

Solution :

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

The arrangement of the given words in the dictionary order :

6. Cheaper
3. Cheering
4. Cheese
1. Cheetah
2. Chemical
5. Chestnut

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

Question 7 :

Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number. 284: 142:: 568: 284 :: 1136: ?

Difficulty : Moderate

Average Time : 60 Seconds



Options :

1. 568
2. 567
3. 566
4. 569

Solution :

The correct answer is **option 1** i.e. **568**.

The logic: First number $\div 2 =$ Second number

$$284 : 142 \quad 284 \div 2 = 142$$

$$568 : 284 \quad 568 \div 2 = 284$$

Similarly,

$$1136 : ? \quad 1136 \div 2 = 568$$

Hence, the correct answer is **568**.

Question 8 :

Which two signs should be interchanged to make the given equation correct? $2 \times 236 - 2 + 36 + 72 = 200$

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. + and -
2. - and +
3. x and +
4. + and +

Solution :

The correct answer is **option 1** i.e. **+ and -**.

From option 1: \div and -

$$\text{Given equation is : } 2 \times 236 - 2 + 36 \div 72 = 200$$

After interchanging the two signs we get,

$$2 \times 236 \div 2 + 36 - 72 = 200$$

After using the BODMAS rule we get,

$$2 \times (236 \div 2) + 36 - 72 = 200$$

$$(2 \times 118) + 36 - 72 = 200$$

$$(236 + 36) - 72 = 200$$

$$272 - 72 = 200$$

$$200 = 200$$

LHS = RHS

Hence, the correct answer is **+ and -**.

Question 9 :

Two different positions of the same dice are shown, the six faces of which are marked with the letters U to Z. Select the letter that will be on the face opposite the face showing 'W'.

Difficulty : Moderate

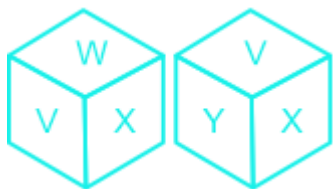
Average Time : 62 Seconds

Options :

1. Y
2. V
3. X
4. Z

Solution :

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



V and X are common on both dice so the remaining one side will be opposite to each other. Thus, W is opposite to Y (**W Y**)

Question 10 :

Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.



Auger : Bore

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Axe : Grind
2. Plier : Carve
3. Spanner : Dig
4. Needle : Sew

Solution :

The correct answer is **option 4** i.e. **Needle : Sew**.

Auger is a instrument used for boring holes. Similarly, needle is a instrument used for sewing.

Hence, the correct answer is **Needle : Sew**.

Question 11 :

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. ADOPT : DAOTP :: FINAL : IFNLA :: HUMOR : ?

Difficulty : Moderate

Average Time : 50 Seconds

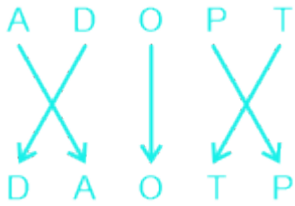
Options :

1. UOHMR
2. UHMRO
3. UHOMR
4. UHMOR

Solution :

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

ADOPT : DAOTP

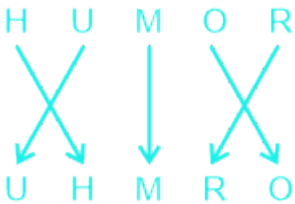


FINAL : IFNLA



Similarly,

HUMOR : ?

Hence, the correct answer is **UHMRO**.**Question 12 :**

Three Statements are given followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements: Some sweets are chocolates. All chocolates are cookies. Some cookies are healthy.

Conclusions: I. Some sweets are cookies. II. Some cookies are chocolates. III. Some chocolates are sweets.

Difficulty : Moderate

Average Time : 70 Seconds

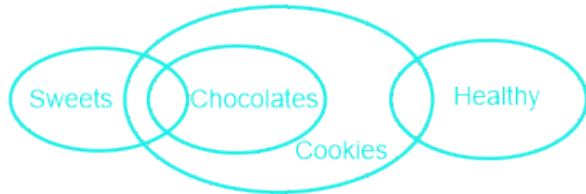
Options :

1. Both conclusions II and III follow.
2. Both conclusions I and II follow.
3. All conclusions follow.
4. Both conclusions I and III follow.

Solution :

The correct answer is **option 3** i.e. **All conclusions follow.**

The least possible Venn diagram:

**Conclusions:**

- I. Some sweets are cookies True (As Some sweets are chocolates and All chocolates are cookies so, Some sweets are cookies is true)
- II. Some cookies are chocolates True (As All chocolates are cookies so, Some cookies are chocolates is true)
- III. Some chocolates are sweets True (As Some sweets are chocolates so, Some chocolates are sweets is true)

Hence, the correct answer is **all conclusions follow.**

Question 13 :

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. CROWN: OYRVH:: TABLE: FNEEY :: UNREAL: ?

Difficulty : Moderate

Average Time : 75 Seconds

Options :

- 1. LAERNU
- 2. NDHVSA
- 3. NCHUSB
- 4. MCHVSA

Solution :

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

CROWN: OYRVH

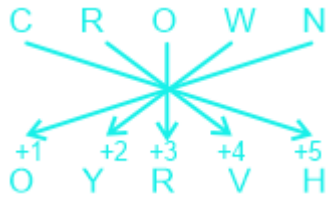
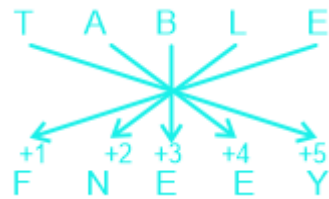
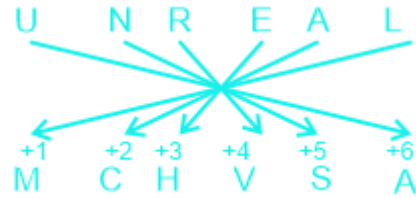


TABLE: FNEEY



UNREAL: ?



UNREAL: **MCHVSA**

Question 14 :

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

Difficulty : Moderate

Average Time : 57 Seconds

Options :



2.

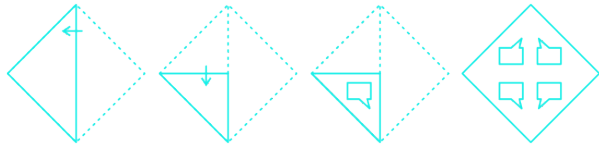


Solution :



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

After unfolding the given paper of the figure formed is as shown below :



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

Question 15 :

Select the option that represents the letters that, when placed from left to right in the following blanks, will complete the letter-series. REU TR__QTREW__RE__T

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. Q E V Q T X Q
2. Q F W Q T X Q
3. Q E W Q T Y R
4. Q F V Q T X R

Solution :

The correct answer is **option 1** i.e. **Q E V Q T X Q**.

Given :- REU TR__QTREW__RE__T

By checking options:

- 1) Q E V Q T X Q REU Q T - R E V Q T - REW Q T - R E X Q T
- 2) Q F W Q T X Q REU Q T - R F W Q T - REW Q T - R E X Q T
- 3) Q E W Q T Y R REU Q T - R E W Q T - REW Q T - R E Y R T
- 4) Q F V Q T X R REU Q T R F V Q T - REW Q T - R E X R T

Hence, the correct answer is **Q E V Q T X Q**.

Question 16 :

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. 15 : 52 :: 33 : _____ :: 22 : 73

Difficulty : Moderate

Average Time : 127 Seconds

Options :



121

2. 122

3. 106

4. 111

Solution :

The correct answer is **option 3** i.e. **106**.

The logic : (First number \times 3) + 7

15 : 52 (15 \times 3) + 7 = 45 + 7 = 52

22 : 73 (22 \times 3) + 7 = 66 + 7 = 73

Similarly,

33 : ? (33 \times 3) + 7 = 99 + 7 = 106

Hence, the correct answer is **106**.

Question 17 :

Looking at a picture of Suraj, Mr. Gaurav said, "He is the son of my paternal grandfather's only son." How is Gaurav related to Suraj in the picture?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Son's son

2. Father

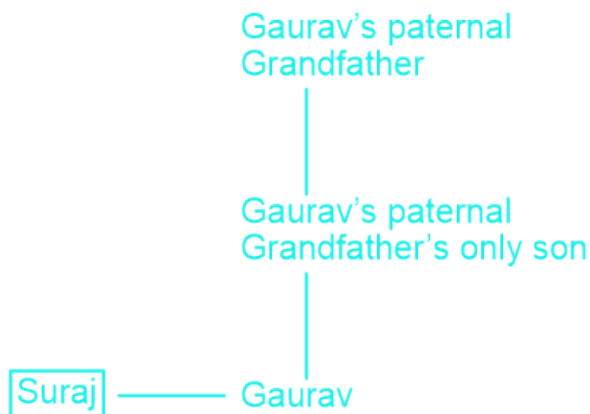
3. Father's brother's son

4. Brother

Solution :

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

The family tree:



So, Gaurav' is brother of Suraj.

Hence, the correct answer is **brother**.

Question 18 :

In a certain code language, 'MARS' is coded as "51" and "STARS" is coded as "77". How will 'MOON' be coded in that language?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 55
2. 54
3. 56
4. 57

Solution :

The correct answer is **option 4** i.e. **57**.

The logic: Sum of alphabetical positional value of given word.

$$\text{MARS } 13 + 1 + 18 + 19 = 51$$

$$\text{STARS } 19 + 20 + 1 + 18 + 19 = 77$$

Similarly,

$$\text{MOON } 13 + 15 + 15 + 14 = 57$$

Hence, the correct answer is **57**.

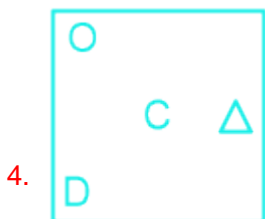
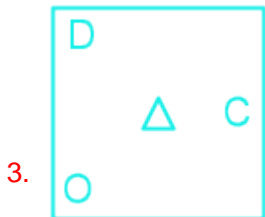
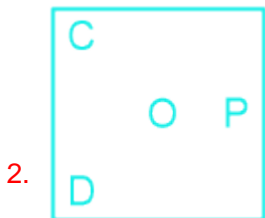
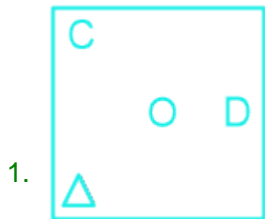
Question 19 :

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

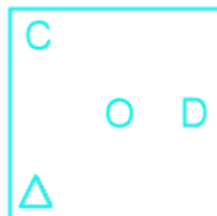
Difficulty : Moderate

Average Time : 44 Seconds

Options :



Solution :

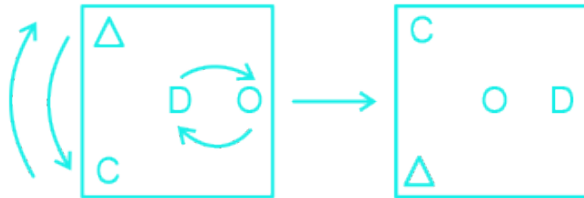


The correct answer is **option 1** i.e.

The logic: In each subsequent image of the series, the two symbols on the left side switch places.

The symbol in the middle moves to the left side and stays there for the next two images before being eliminated. A new symbol then enters from the right side.

During this process, the middle symbol and the symbol on the right side switch places in every other image.



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

Question 20 :

Select the set in which the numbers are related in the same way as are the numbers of the given set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its 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.) (4, 25, 6) (3, 28, 9)

Difficulty : Moderate

Average Time : 97 Seconds

Options :

1. (4, 17, 6)
2. (2, 17, 8)
3. (3, 17, 9)
4. (4, 17, 8)

Solution :

The correct answer is **option 2** i.e. **(2, 17, 8)**.

The logic: (First number \times Third number) + 1 = Second number

$$(4, 25, 6) \quad (4 \times 6) + 1 = 24 + 1 = 25$$

$$(3, 28, 9) \quad (3 \times 9) + 1 = 27 + 1 = 28$$

Similarly,

$$(2, 17, 8) \quad (2 \times 8) + 1 = 16 + 1 = 17$$

Hence, the correct answer is **(2, 17, 8)**.

Question 21 :

Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its 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) (100, 2, 150) (50, 5, 240)

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

1. (10, 8, 98)
2. (14, 16, 8)
3. (10, 5, 200)
4. (16, 8, 126)

Solution :

The correct answer is **option 4** i.e. **(16, 8, 126)**.

The logic: (First number \times Second number) - (First number \div Second number) = Third number

$$(100, 2, 150) \quad (100 \times 2) - (100 \div 2) = 200 - 50 = 150$$

$$(50, 5, 240) \quad (50 \times 5) - (50 \div 5) = 250 - 10 = 240$$

Similarly,

$$(16, 8, 126) \quad (16 \times 8) - (16 \div 8) = 128 - 2 = 126$$

Hence, the correct answer is **(16, 8, 126)**.

Question 22 :

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

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

1.

-
- 2.
- 3.
- 4.

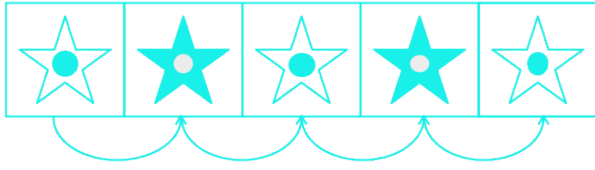


Solution :



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

The logic: In Figure 1, the circle is dotted, and the interior of the star is unmarked. In Figure 2, the circle is solid, and the interior of the star is marked. This pattern alternates in subsequent figures.



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

Question 23 :

Select the number from among the given options that can replace the question mark (?) in the following series. 2, 4, 12, 48, 240, ?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 720
2. 480
3. 360
4. 1440

Solution :

The correct answer is **option 4** i.e. **1440**.

The logic:

$$2 \times 2 = 4$$

$$4 \times 3 = 12$$

$$12 \times 4 = 48$$

$$48 \times 5 = 240$$

$$240 \times 6 = \mathbf{1440}$$

Hence, the correct answer is **1440**.

Question 24 :

'A + B' means 'A is the sister of B'. 'A - B' means 'A is the wife of B'. 'A * B' means 'A is the brother of B'. 'A ÷ B' means 'A is the father of B'. If $L + M + N - O \div P \times Q$, then which of the following statements is NOT correct?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

O is the father of Q.

2. L is the daughter of N.

3. P is the son of N.

4. M is the sister of the wife of O.

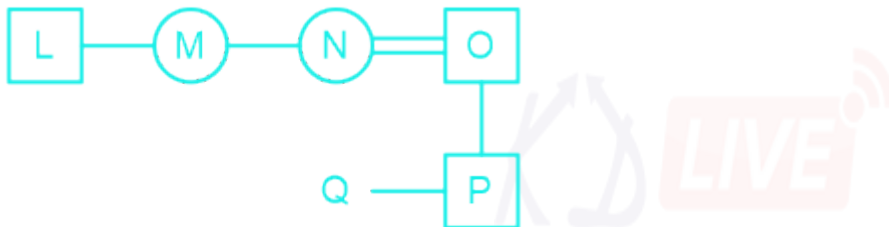
Solution :

The correct answer is **option 2** i.e. **L is the daughter of N.**

Given equation: $L + M + N - O \div P \times Q$

After decoding the codes we get that L is sister of M, M is sister of N, N is wife of O, O is father of P, and P is brother of Q.

The family tree:



Option (1): O is the father of Q - Correct.

Option (2): L is the daughter of N - Incorrect.

Option (3): P is the son of N - Correct.

Option (4): M is the sister of the wife of O - Correct.

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

Question 25 :

Select the correct mirror image from the following options when the mirror is placed on the right side of the given figure.

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1.



2.



3.



4.



Solution :



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

The correct mirror image:



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

Question 26 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 6 5 8 j y t
2. e 2 8 j y t
3. e 7 8 j y t
4. e 5 8 j y t

Solution :

The correct answer is **option 4** i.e. e 5 8 j y t

The mirror image:



Hence, the correct answer is option 4.

Question 27 :

In a certain code language, 'DEN' is coded as 27 and 'SNAKE' is coded as 125. How will 'CAVE' be coded in the same language?



Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 64
2. 46
3. 32
4. 16

Solution :

The correct answer is **option 1** i.e. **64**.

The logic : (Number of alphabets of given word)³

'DEN' Number of letters in word DEN = 3 = 3³ = 27

'SNAKE' Number of letters in word SNAKE = 5 = 5³ = 125

Similarly,

'CAVE' Number of letters in word CAVE = 4 = 4³ = 64

Hence, the correct answer is "**64**".

Question 28 :

Which number among 34623, 34716, 34782 and 34783 is NOT divisible by 3?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 34716
2. 34783
3. 34623
4. 34782

Solution :

The correct answer is **Option 2** i.e. **34783**.

Divisibility rule of 3: A number will be divided by three if the sum of all the digits in a number is multiple of 3.

Now,

$$34623 = 3 + 4 + 6 + 2 + 3 = 18, \text{ Multiple of } 3$$

$$34716 = 3 + 4 + 7 + 1 + 6 = 21, \text{ Multiple of } 3$$

$$34782 = 3 + 4 + 7 + 8 + 2 = 24, \text{ Multiple of } 3$$

$$34783 = 3 + 4 + 7 + 8 + 3 = 25, \text{ Not a multiple of } 3$$

Question 29 :

Two circles touch each other externally at P. AB is a direct common tangent to the two circles. If A and B are points of contact and $\angle PAB = 65^\circ$, then $\angle ABP$ is:

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 35°
2. 15°
3. 5°
4. 25°

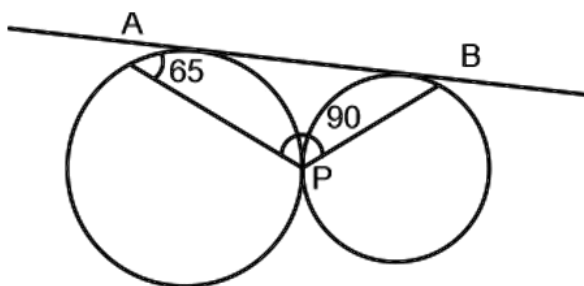
Solution :

The correct answer is **Option 4** i.e. 25° .

Given:

Two circles touch each other externally at P.

AB is a direct common tangent to the two circles, A and B are points of contact, and $\angle PAB = 65^\circ$



Concept used:

If two circles touch each other externally at some point and a direct common tangent is drawn to both circles, the angle subtended by the direct common tangent at the point where two circles touch each other is 90° .

According to the concept, $\angle APB = 90^\circ$

Considering ,

$$\angle ABP = 90^\circ - \angle PAB$$

$$90^\circ - 65^\circ = 25^\circ$$

So, $\angle ABP = 25^\circ$

Question 30 :

Two persons started running on a circular track simultaneously with speeds of 20 m/s and 30 m/s in opposite directions. If the circumference of the circular track is 100 m, then find at how many distinct points they will cross each other?

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. 3
2. 2
3. 10
4. 5

Solution :

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

We know that

$$\text{Speed} = \text{Distance} / \text{Time taken}$$

The time taken by the first person to complete a full lap is $100 \text{ m} / 20 \text{ m/s} = 5 \text{ seconds}$

The time taken by the second person to complete a full lap is $100 \text{ m} / 30 \text{ m/s} = 10/3 \text{ seconds}$

The LCM of 5 seconds and $10/3$ seconds is 10 seconds, which means they will end up in the same initial positions after 10 seconds.

Let the two persons cross each other for the first time after x seconds.

Then, total distance covered by 1st person = $20x$ and the 2nd person = $30x$

Now, the total distance covered by both the person = Circumference of the track

$$30x + 20x = 100\text{m}$$

$$50x = 100\text{m}$$



$$x = 2s$$

The two persons will cross each other for the first time after 2 seconds.

The two persons will cross each other again after 2 seconds, and then again after 2 seconds, and so on.

So in 10 seconds, they will meet = $10/2 = 5$ times

Therefore the two persons will cross each other at 5 distinct points on the track

Question 31 :

If $(a + b + c) = 12$, and $(a^2 + b^2 + c^2) = 50$, find the value of $(a^3 + b^3 + c^3 - 3abc)$.

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

1. 36
2. 24
3. 42
4. 48

Solution :

The correct answer is **Option 1** i.e. **36**.

We know that,

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

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

$$12^2 - 50 = 2(ab + bc + ca)$$

$$2(ab + bc + ca) = 144 - 50 = 94$$

$$(ab + bc + ca) = 47$$

Now, we know that,

$$a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab + bc + ca)$$

$$12 \times (50 - 47)$$

$$12 \times 3$$

$$36$$

**Question 32 :**

A saree bought for ₹1500 is marked at 16% profit and later on sold at a sales discount of $x\%$ on the marked price. If the selling price of the saree is ₹1493, find the value of x .

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

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

Solution :

The correct answer is **Option 4** i.e. **15**.

We know that

$$\text{Discount} = \text{MP} - \text{SP}$$

$$\text{Profit} = \text{SP} - \text{CP}$$

Now, according to the question

$$\text{Profit} = 16\% = 16/100$$

$$\text{MP} = 116 \times 5 = 580$$

$$\text{Discount} = x \%$$

So,

$$580 \times (100 - x)/100 = 493$$

$$58 \times (100 - x) = 4930$$

$$5800 - 58x = 4930$$

$$58x = 870$$

$$x = 15$$

Question 33 :

The following pie chart shows the different coloured dresses worn by 60 students in a college party. Study the pie chart and answer the question that follows. The degrees (central angle) for the blue coloured dress (sector which represents



40%) is:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 180°
2. 60°
3. 120°
4. 144°

Solution :

The correct answer is **Option 4** i.e. 144° .

The degrees (central angle) for the blue-colored dress = 40°

$$100\% = 360^\circ$$

$$1\% = 3.6^\circ$$

$$40\% = 40 \times 3.6^\circ = 144^\circ$$

Question 34 :

In a group of 32 students, the average weight was 18.5 kg. When 4 students left the group, the average came down to 15.5 kg. What was the average weight (in kg) of those 4 students?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 39.5
2. 37.5
3. 27.5
4. 36.5

Solution :

The correct answer is **Option 1** i.e. **39.5**.

We know that

Average = Sum of observations/Number of observations



According to the question,

$$\text{Sum of 32 Students} = 18.5 \times 32 = 592$$

$$\text{Sum When 4 Students Left} = 15.5 \times 28 = 434$$

$$\text{Difference} = 592 - 434 = 158$$

$$\text{Average} = 158/4 = 39.5$$

Question 35 :

If $(\sec \theta = \frac{4}{3})$, what is the value of $\tan^2 + \tan^4$?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. $\frac{112}{81}$
2. $\frac{256}{81}$
3. $\frac{64}{27}$
4. $\frac{16}{81}$

Solution :

The correct answer is **Option 1** i.e. $\frac{112}{81}$.

$$\sec \theta = \frac{4}{3} = \frac{H}{B}$$

$$\text{We know that } \sec^2 - 1 = \tan^2 = \left(\frac{4}{3}\right)^2 - 1 = \frac{7}{9}$$

the value of $\tan^2 + \tan^4$

$$\tan^2(1 + \tan^2) = \tan^2 \times \sec^2$$

$$\frac{7}{9} \times \frac{16}{9} = \frac{112}{81}$$

Question 36 :

The wages (in ₹) earned by a labourer in twelve months of a year are shown in the following bar graph. What is the average wage (in ₹) received by the labourer in the first five months of the year?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 9,300

9,000

3. 9,100

4. 9,200

Solution :The correct answer is **Option 2** i.e. **9,000**.

Average = Sum of observations/Number of observations

$$\text{Average} = (9500 + 9400 + 9600 + 8000 + 8500)/5 = 9000$$

Question 37 :Simplify the following expression: $\left(\frac{12+5-\frac{48}{16}+71}{(51+4-13)+(13-12 \times 7)}\right) + \left(\frac{\frac{72}{36}+6 \times 7}{11}\right) \times \left(\frac{17-3+71}{2+42}\right) \times \left(\frac{55-13+(13-84)}{85+4 \times (-29)}\right)$ **Difficulty : Moderate****Average Time : 35 Seconds****Options :**

1. $\frac{-31}{233}$

2. $\frac{31}{232}$

3. $\frac{41}{232}$

4. $\frac{-31}{232}$

Solution :The correct answer is **Option 4** i.e. $\frac{-31}{232}$.

$$\left(\frac{12+5-\frac{48}{16}+71}{(51+4-13)+(13-12 \times 7)}\right) + \left(\frac{\frac{72}{36}+6 \times 7}{11}\right) \times \left(\frac{17-3+71}{2+42}\right) \times \left(\frac{55-13+(13-84)}{85+4 \times (-29)}\right)$$

$$\left(\frac{17-3+71}{2+42}\right) \times \left(\frac{44}{11}\right) \times \left(\frac{42+(-71)}{85-116}\right)$$

$$\left(\frac{85+4 \times (-29)}{85-116}\right)$$

$$\left(\frac{85-116}{85-116}\right) = \frac{-31}{232}$$

Question 38 :Using $\cot(A - B) = \frac{\cot A \cot B + 1}{\cot B - \cot A}$, find the value of $\cot 15^\circ$.



Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. $\sqrt{2+\sqrt{3}}$
2. $\sqrt{2-\sqrt{3}}$
3. $\sqrt{3}-1$
4. $\sqrt{3}+1$

Solution :

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

$$\cot(A - B) = \frac{\cot A \cot B + 1}{\cot B - \cot A}$$

$$\cot 15^\circ = \cot (45^\circ - 30^\circ)$$

$$\cot (45^\circ - 30^\circ) = \frac{\cot 45^\circ \cot 30^\circ + 1}{\cot 30^\circ - \cot 45^\circ}$$

$$\cot 15^\circ = \frac{(1)(\sqrt{3})+1}{(\sqrt{3})-(1)}$$

$$\cot 15^\circ = \frac{(\sqrt{3}+1)(\sqrt{3}+1)}{(\sqrt{3}-1)(\sqrt{3}+1)}$$

$$\cot 15^\circ = \frac{(\sqrt{3}+1)^2}{(\sqrt{3})^2 - 1^2}$$

$$\cot 15^\circ = \frac{3 + 1 + 2\sqrt{3}}{3 - 1}$$

$$\cot 15^\circ = \frac{4 + 2\sqrt{3}}{2}$$

$$\cot 15^\circ = \frac{2(2 + \sqrt{3})}{2}$$

$$\cot 15^\circ = (2 + \sqrt{3})$$

Question 39 :

If $P \cos = 3$ and $4 \tan = Q$, then what is the relation between P and Q, which is independent of ?

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. $\frac{9}{P^2} + \frac{16}{Q^2} = 1$
2. $\frac{9}{P^2} - \frac{16}{Q^2} = 1$
3. $\frac{P^2}{9} - \frac{Q^2}{16} = 1$
4. $\frac{P^2}{9} + \frac{Q^2}{16} = 1$

**Solution :**

The correct answer is **Option 3** i.e. $\left(\frac{P^2}{9} - \frac{Q^2}{16} = 1\right)$.

We know that,

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

Now,

$$P \cos = 3$$

$$\cos = 3/P$$

$$\sec = P/3$$

$$4 \tan = Q$$

$$\tan = Q/4$$

From the given concept, we get

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

$$\left(\frac{P^2}{9} - \frac{Q^2}{16} = 1\right)$$

Question 40 :

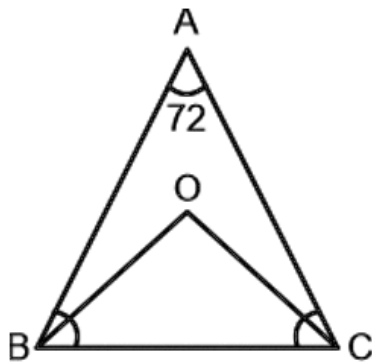
In a $\triangle ABC$, the internal bisectors of B and C meet at O. If $\angle BAC = 72^\circ$, then the value of $\angle BOC$ is:

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

1. 110°
2. 126°
3. 136°
4. 146°

Solution :

The correct answer is **Option 2** i.e. 126° .



Now,

$$B + C = 180^\circ - 72^\circ = 108^\circ$$

\therefore OB and OC are bisectors of B and C respectively

$$\angle OBC + \angle OCB = \frac{1}{2}(B + C)$$

$$\frac{1}{2} \times 108^\circ = 54^\circ$$

In $\triangle OBC$,

$$\angle OBC + \angle OCB + \angle BOC = 180^\circ$$

$$54^\circ + \angle BOC = 180^\circ$$

$$\angle BOC = 180^\circ - 54^\circ = 126^\circ$$

Question 41 :

The lateral area of a cylinder is 3168 cm^2 and its height is 48 cm. Find the volume.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 5244 cm^3
2. 5544 cm^3
3. 5644 cm^3
4. 16632 cm^3

Solution :

The correct answer is **Option 4** i.e. 16632 cm^3 .



Volume of Cylinder = r^2h

The curved Surface area of the cylinder = $2rh$

r = radius of the cylinder

Calculation :

$$2rh = 3168$$

$$2 \times \frac{22}{7} \times r \times 48 = 3168$$

$$r = \frac{3168 \times 7}{(2 \times 22 \times 48)}$$

$$r = \frac{22176}{2112}$$

$$r = 10.5 \text{ cm}$$

$$\text{Volume} = \frac{22}{7} \times 10.5 \times 10.5 \times 48 = 16632 \text{ cm}^3$$

Question 42 :

A shopkeeper allows a discount of 10% on the printed price of his goods and thus gains 20%. What is the ratio between the cost price and the printed price of the item?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 3 : 4
2. 2 : 3
3. 4 : 5
4. 1 : 2

Solution :

The correct answer is **Option 1** i.e. **3 : 4**.

Let the printed price be Rs. 100

Discount of 10% on the printed price of his goods,

$$SP = 100 - (100 \times 10\%) = \text{Rs. } 90 \text{ then,}$$

Gains 20% then CP is,

$$CP = \left\{ \frac{100}{(100 + \text{Profit } \%)} \right\} \times SP$$



$$CP = \{100 / (100 + 20\%)\} \times 90$$

$$CP = 100 / 120 \times 90 = \text{Rs. } 75$$

$$\text{Required ratio} = CP : \text{Printed price} = 75 : 100 = 3 : 4$$

Question 43 :

A can do a work in 4 days and B in 12 days. If they work on it together for 2 days, then the fraction of the work that will be left is:

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

1. $\frac{2}{3}$
2. $\frac{2}{5}$
3. $\frac{1}{3}$
4. $\frac{1}{5}$

Solution :

The correct answer is **Option 3** i.e. $\frac{1}{3}$.

Given:

A can do a work in 4 days and B in 12 days

Calculations:

Total work (LCM of 4 and 12) = 12 units

Efficiency of A = $12 / 4 = 3$

Efficiency of B = $12 / 12 = 1$

Total Efficiency = 4

They worked together for 2 days = $4 \times 2 = 8$

Work left = $12 - 8 = 4$

Required fraction of work left = $4 / 12 = 1/3$

Question 44 :

Inlet Pipes A and B can together fill an empty tank in 1.5 hours. Outlet Pipe C, when opened alone, can empty the completely filled tank, in 4.5 hours. When only Pipes A and C are opened together, the empty tank is filled in 6 hours. Find



the time taken by Pipe B, when opened alone, to fill the empty tank.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 3 hours 30 minutes
2. 3 hours 36 minutes
3. 3 hours 32 minutes
4. 3 hours 40 minutes

Solution :

The correct answer is **Option 2** i.e. **3 hours 36 minutes.**

Given:

Inlet pipes A and B opened to fill the empty tank in = 1.5 hours = $\frac{3}{2}$ h

Outlet pipe C can empty the filled tank in = 4.5 hours = $\frac{9}{2}$ h

Only A and C together fill the tank in = 6 hours

Concept Used:

Total work = Efficiency \times Time

Explanation:

Let the total capacity of tank be LCM $((\frac{3}{2}), (\frac{9}{2}), 6) = 18$ units

The combined efficiency of inlet pipes A and B to fill the empty tank = $18/(\frac{3}{2}) = 12$

The efficiency of outlet pipe C to empty the filled tank = $18/(\frac{9}{2}) = 4$

The combined efficiency of A and C to fill the tank = $18/6 = 3$

According to the question

$$A + C = 3$$

$$A - 4 = 3$$

$$A = 7$$

So, $A + B = 12$

$$7 + B = 12$$



$$B = 12 - 7 = 5$$

Hence, the empty tank is filled by B alone in $= 18/5 = 3$ hours 36 minutes

Question 45 :

If $(3y - \frac{3}{y}) = 5$, find the value of $(y^2 + \frac{1}{y^2})$.

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

1. $\frac{47}{9}$
2. $\frac{49}{9}$
3. $\frac{41}{9}$
4. $\frac{43}{9}$

Solution :

The correct answer is **Option 4** i.e. $\frac{43}{9}$.

$$(3y - \frac{3}{y}) = 5$$

$$(3y - \frac{3}{y}) = 5$$

$$(y - \frac{1}{y}) = \frac{5}{3}$$

Squaring both sides

$$(y - \frac{1}{y})^2 = (\frac{5}{3})^2$$

$$((y^2 + \frac{1}{y^2} - 2 \times y \times \frac{1}{y})) = \frac{25}{9}$$

$$((y^2 + \frac{1}{y^2} - 2)) = \frac{25}{9}$$

$$((y^2 + \frac{1}{y^2}) = \frac{25}{9} + 2)$$

$$((y^2 + \frac{1}{y^2}) = \frac{25 + 18}{9})$$

$$((y^2 + \frac{1}{y^2}) = \frac{43}{9})$$

Question 46 :

A thief committed a crime and escaped from the spot at a speed of 12 m/h. A Security guard started chasing him 20 minutes after the thief started running and caught him in the next 20 minutes. What is the speed (in m/h) of the Security guard?

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

**Options :**

1. 24
2. 30
3. 32
4. 36

Solution :

The correct answer is **Option 1** i.e. **24**.

We know that

Distance = Speed \times Time

Calculation:

In the 1st 20 min the thief cover distance = 4 m,

20 min in hour = 20/60 hour

Let's assume that the speed of the security guard = x m/hr, where $x > 12$

According to the question,

$$(x - 12) \times 20/60 = 4$$

$$x - 12 = 12$$

$$x = 24$$

Question 47 :

A man took a loan of ₹1,32,400 at a certain rate of simple interest per annum. The rate of interest is one-fourth of the number of years for which the loan is taken. If he paid ₹11,664 as interest at the end of the loan period, the rate of interest was:

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 3%
2. 8%
3. 5%
4. 12%

Solution :

The correct answer is **Option 1** i.e. **3%**.

We know that,

$$SI = (P \times R \times T)/100$$

here, S.I. = Simple Interest = Rs.11664,

R = rate = T/4, P = Principal, and T = Time

$$11664 = (32400 \times T \times T/4)/100$$

$$11664 = 324 \times T^2/4$$

$$T^2 = 144$$

$$T = 12$$

$$R = T/4 = 12/4 = 3\%$$

Question 48 :

The wheel of a lorry has radius 182 cm. The number of revolutions (approximately) per minute the lorry wheel will make is _____ (if the speed of the lorry is 66 km/h).

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 100

2. 96

3. 1144

4. 66

Solution :

The correct answer is **Option 2** i.e. **96**.

We know that

$$\text{Circumference of a circle} = 2 \times \pi \times r$$

Now, according to the question

$$\text{The circumference of of the wheel} = 2 \times 22/7 \times 182 = 1144 \text{ cm}$$

Here, the lorry can go 66 km in 60 min, then the lorry can cover in 1 min is = $66/60 = 1.1 \text{ km} = 110000 \text{ cm}$

Now the wheel of the lorry makes the number of revolutions per minute is $110000/1144 = 96.15$ or 96

Question 49 :

The monthly income of a person was Rs. 80,000 and his monthly expenditure was Rs. 45,000. Next year, his income increased by 16% and his expenditure increased by 8%. Find the percentage increase in his savings (correct to 2 decimal places).

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

1. 26.28%
2. 25.35%
3. 44.36%
4. 30.25%

Solution :

The correct answer is **Option 1** i.e. **26.28%**.

Income = Expenditure + Saving

Income increased by 16% = $80000 \times 116/100 = 92800$

Expenditure increased by 8% = $45000 \times 108/100 = 48600$

Old Saving = $80000 - 45000 = 35000$

New Saving = $92800 - 48600 = 44200$

Increase (in savings) = $44200 - 35000 = 9200$

Required percentage increase = $9200/35000 \times 100 = 9200/350 = 26.28\%$

Question 50 :

A woman is 28 years older than her son. In three years, her age will be twice the age of her son. Find the present age of the son.

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

1. 28 years
2. 20 years



22 years

4. 25 years

Solution :

The correct answer is **Option 4** i.e. **25 years**.

Let, W = Women and S = Son

According to the question,

A woman is 28 years older than her son

$$W = 28 + S \text{ ----- (1)}$$

In three years, her age will be twice the age of her son

$$W + 3 = 2(S + 3)$$

$$W + 3 = 2S + 6 \text{ ----- (2)}$$

On Solving Eq(1) and Eq(2) :

$$S = 25 \text{ years}$$

So, The present age of the son is 25 years

Question 51 :

Anil and Bipin together can complete a work in 15 days, while Bipin alone can finish it 20 days. In how many days can Anil alone finish the work?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 40

2. 60

3. 65

4. 30

Solution :

The correct answer is **Option 2** i.e. **60**.

Given:



Anil and Bipin together can complete a work in 15 days.

Bipin alone can finish it in 20 days.

Calculations:

Total work (L.C.M of 15 and 20) = 60 units

The efficiency of Anil and Bipin = $60/15 = 4$

The efficiency of Bipin = $60/20 = 3$

So,

The efficiency of Anil = $4 - 3 = 1$ unit

Time taken by Anil to finish the work = $60/1 = 60$ days

Question 52 :

Select the option that expresses the given sentence in passive voice. Is he not driving a car?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Was he not driving a car?
2. Is a car not being driven by him?
3. Is a car not been driven by him?
4. Does he not drive a car?

Solution :

The correct answer is **option 2** i.e. **Is a car not being driven by him?**

- The correct option that expresses the sentence in passive voice is "**Is a car not being driven by him?**"
- In passive voice, the focus is on the action being done to the subject rather than the subject acting.
- In this case, the subject "**he**" becomes the object "**a car**," and the verb "**driving**" is changed to "**being driven**."
- The alternative options either employ incorrect verb forms or fail to convert the sentence into passive voice effectively.

Question 53 :

Select the most appropriate ANTONYM of the underlined word. Managers who delegate reduce their work load.

Difficulty : Moderate

Average Time : 68 Seconds

Options :



Retain

2. Appoint
3. Nominate
4. Depute

Solution :

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

The most appropriate antonym for "**delegate**" from the given options is "**retain**."

"**Delegate**" means to entrust tasks or responsibilities to others, thereby reducing one's workload, while "**retain**" means to keep or hold onto something oneself, implying the opposite action of delegating.

The other options, "**appoint**," "**nominate**," and "**depute**," all involve assigning tasks or responsibilities to others, similar to "**delegate**," and therefore do not represent antonyms in this context.

Question 54 :

Select the most appropriate ANTONYM of the given word. Innate

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Learned
2. Aquatic
3. Natural
4. Replete

Solution :

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

The most appropriate antonym for "**innate**" among the given options is "**learned**."

"**Learned**" refers to gaining information or abilities via study, experience, or instruction, whereas "**innate**" refers to traits or attributes that are innate, natural, or present from birth.

Thus, in terms of origin or development, "**learned**" stands in opposition to "**innate**".

In this instance, the terms "**natural**," "**aquatic**," and "**replete**" do not explicitly communicate the opposing connotation of "**innate**."

Question 55 :



Select the most appropriate synonym of the given word. Incredible

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Realistic
2. Unachievable
3. Unbelievable
4. Reasonable

Solution :

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

The most appropriate synonym for "**incredible**" from the given options is "**unbelievable**."

The terms "**unbelievable**" and "**incredible**" express a sense of surprise or disbelief and describe things that are hard to comprehend or astounding.

"**Reasonable**" and "**realistic**" suggest something is feasible or reasonable, which is the opposite of the idea of something being amazing.

The term "**unachievable**" does not necessarily mean "**incredible**." Instead, it describes anything that cannot be achieved or accomplished.

Consequently, "**unbelievable**" best expresses the meaning that "**incredible**" was intended to convey in this particular situation.

Question 56 :

Select the most appropriate option to fill in the blank. Radium is a white powder that _____ table salt.

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. looks like
2. look like
3. will look like
4. looking like

Solution :



The correct answer is **Option 1** i.e. **looks like**.

The best choice to complete the blank is "**looks like**."

The proper form to use when describing an attribute or appearance of something is "**looks like**."

Since we're comparing radium's appearance to table salt in this instance, using the present tense "**looks like**" is appropriate.

The other choices don't fit the sentence structure and intended meaning because they either employ the wrong verb tense ("**look like**," "**will look like**") or the incorrect form ("**looking like**").

Question 57 :

Select the most appropriate synonym of the given word. Vendetta

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Dilemma
2. Disagreement
3. Vacillation
4. Passion

Solution :

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

The most appropriate synonym for "**vendetta**" from the given options is "**disagreement**."

A **vendetta** describes an intense and protracted disagreement or quarrel between people or organisations, frequently marked by a desire for retaliation or revenge.

Similarly, a **disagreement** involves a lack of consensus or harmony between parties, which can escalate into a contentious situation.

While the other options such as "**dilemma**," "**passion**," and "**vacillation**" may denote different concepts or emotions, they do not directly convey the meaning of a vendetta as closely as "**disagreement**" does.

Question 58 :

Select the most appropriate option to substitute the underlined segment in the given sentence. They are the people which are looking to expand their horizons in the fast growing tourism industry.

Difficulty : Moderate

Average Time : 69 Seconds



Options :

1. which looked to expand
2. who is looking to expand
3. who are looking to expand
4. that are looked to expand

Solution :

The correct answer is **option 3** i.e. **who are looking to expand**.

- The most appropriate option to substitute the underlined segment is "**who are looking to expand**."
- "**Which**" is used for objects or animals in English grammar, and "**who**" is used to refer to people.
- "**Who**" is the right pronoun usage because the statement refers to persons. Furthermore, "**who are looking to expand**" conveys the intended concept clearly and succinctly.

Question 59 :

Select the most appropriate ANTONYM of the underlined word. Most of the things in life are transient.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Boring
2. Permanent
3. Toxic
4. Fleeting

Solution :

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

The term "**transient**" describes something impermanent.

On the other hand, something that is "**permanent**" means that it lasts forever, endures, or continues.

In the context of the statement, **permanent things**, are those that endure over time.

Therefore, "**permanent**" serves as an appropriate antonym in this context.

Question 60 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The sky appears blue as / it absorbs all colours / and reflects only blue / No error.



Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. and reflects only blue
2. it absorbs all colours
3. The sky appears blue as
4. No error

Solution :

The correct answer is **Option 4** i.e. **No error**.

Subject-Verb Agreement: "**The sky**" is a singular subject, so the verb should be singular.

Verb Forms: "**It**" is a singular subject, so the verb should be singular i.e. "**it absorbs**".

Spelling and Consistency: "**Colours**" (British English) and "**reflects**" are correctly spelled and consistent.

The sentence structure is logical and coherent.

Question 61 :

Select the option that can be used as a one-word substitute for the given group of words. Child bereaved of one or both the parents

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Destitute
2. Orphan
3. Lout
4. Desolate

Solution :

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

An **orphan** is a child bereaved of one or both parents.

This term specifically denotes a child who has lost one or both parents due to death. It succinctly captures the essence of



the given group of words, which describes a child experiencing the loss of parental care.

"Orphan" is widely recognized and used in this context, making it the most appropriate one-word substitute.

Question 62 :

Select the correct spelling for the INCORRECTLY spelt word in the given sentence. Science has made prrogres in leaps and bounds over the years.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. leap
2. progress
3. sceince
4. bound

Solution :

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

The word "**prrogres**" is incorrect; the correct spelling is "**progress**."

"**Progress**" refers to the forward or onward movement towards a destination or goal.

The rest of the words in the sentence are spelt correctly.

Question 63 :

Select the option that can be used as a one-word substitute for the given group of words. Having a consistency that does not easily yield to pressure

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Substantial
2. Firm
3. Ramord
4. Close

Solution :

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



Since the question conveys the idea of consistency and resistance to pressure, "**Firm**" can be used as a one-word replacement for the given group of words.

Firm is strong and stable, which suggests something that is not easily yielding or changing under pressure.

The other options do not specifically convey the sense of resilience or resistance to pressure as effectively as "**Firm.**"

Question 64 :

Describe how you will tell your teacher that the windmill is being built by Master Yadav in active voice.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. The windmill is be built by Master Yadav.
2. Master Yadav been building the windmill.
3. Master Yadav build the windmill.
4. Master Yadav is building the windmill.

Solution :

The correct answer is **option 4** i.e. **Master Yadav is building the windmill.**

- **Subject:** The subject of the sentence is "**Master Yadav.**" This refers to the doer or agent that is carrying out the action.
- **Verb:** The verb is "**is building.**" It indicates the ongoing action of building the windmill.
- **Object:** The object is "**the windmill.**" It receives the action performed by Master Yadav.
- To summarize, the active voice highlights the subject (**Master Yadav**) and distinctly specifies the action being performed (**building the windmill**).

Hence, the correct sentence will be: **Master Yadav is building the windmill.**

Question 65 :

Select the most appropriate option that can substitute the underlined word in the given idiom. She is an awful bore; she is always blowing her own saxophone.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. flute
2. lyre

trumpet

4. violin

Solution :

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

"**Blowing her own trumpet**" is an expression used to describe excessive self-praise or boasting.

It conveys the idea of someone who regularly brags about their talents or accomplishments.

The alternatives—**flute**, **lyre**, and **violin**—are indeed musical instruments, yet the "**trumpet**" is the optimal choice. It aligns with the idiom "**blowing one's own trumpet**," which signifies self-praise or boastfulness.

Question 66 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph. A. Graphology tells them about the candidates' temperaments, highlighting both, weaknesses and strengths. B. Many companies use it for executive recruitment and analysis. C. Despite public scepticism, graphology plays a covert role in British management, D. Modern graphology began early in the 19th century when French churchman Jean Hippolyte Michon created the first graphological 'catalogue'.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. DCBA
2. ABCD
3. ABDC
4. CBDA

Solution :

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

In the correct order **DCBA**,

Sentence D gives historical background and explains the beginnings of modern graphology.

Sentence C presents the hidden function of graphology in British management, despite public mistrust.

Sentence B, which explains how many businesses employ graphology for executive recruitment and analysis, makes sense after this.

Sentence A, which highlights strengths and flaws, elaborates on how graphology discloses applicants' temperaments,



bringing the paragraph to a close.

This order creates a coherent flow, beginning with the present situation, exploring the historical background, and concluding with the useful applications and understandings that stem from graphology.

Question 67 :

Select the most appropriate meaning of the given idiom. Blow something out of (all) proportion.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Make things difficult for someone without reason
2. Leave someone at a time when they need you to stay and help them
3. Control the level of something in order to stop it increasing
4. Behave as if something that has happened is much worse than it really is

Solution :

The correct answer is **option 4** i.e. **Behave as if something that has happened is much worse than it really is.**

The expression "**Blow something out of (all) proportion**" suggests that a situation has been exaggerated or given greater significance than it is.

Something gets blown out of proportion when someone makes it appear much bigger, more important, or more severe than it is.

Question 68 :

Select the word with the correct spelling to fill in the blank. Have you ever tried to order _____ in a restaurant?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Cabbage
2. Ceabbage
3. Cebbege
4. Cabbige

Solution :

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



"**Cabbage**" is the correct spelling because it accurately represents the vegetable that one might order in a restaurant.

- It follows the standard English spelling conventions for the word.

Hence, the chosen option will be the correct answer.

Question 69 :

The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. A celestial body or astronomical object is / a naturally occurring physical thing, association, / or configuration that happens in the visible universe.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. No error
2. A celestial body or astronomical object is
3. or configuration that happens in the visible universe
4. a naturally occurring physical thing, association

Solution :

The correct answer is **option 1** i.e. **No error**.

The sentence succinctly captures the essence of celestial bodies, highlighting their naturally occurring nature and varied features.

"**Association**" indicates how they are related to one another, and "**configuration**" highlights how differently they are arranged. When combined, these phrases provide a thorough understanding of celestial events consistent with astronomical and cosmological concepts.

Hence, the given sentence has no error in it.

Question 70 :

Select the most appropriate option to fill in the blank. The _____ purpose of the coaching was to identify the talented players.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. mean



mine

3. mane

4. main

Solution :

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

"Main" is appropriate because it denotes the primary, chief, or most important purpose or objective.

The other options do not fit the context of the sentence.

Hence, the correct sentence will be: "**The main purpose of the coaching was to identify the talented players.**"

Question 71 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph. A. Quipu, a type of knotted rope employed by the Incas of South America, served as a memory aid. B. Different colours were used to dye the strings. C. Yellow represented money while red stood for battle or warriors. D. Do you realise that five yellow knots represented five gold coins?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. BCAD

2. BDAC

3. ADBC

4. ABCD

Solution :

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

The sequence **ABCD** is correct because it follows a logical progression, starting with an introduction to the quipu, delving into its construction and cultural significance, and ending with a practical example of its use as a memory aid.

The sentences are arranged in this order for the following reasons:

A: Introduces the concept of quipu and its purpose.

B: Provides additional information about how the quipu was used, specifically mentioning the use of colours.

C: Gives specific examples of what the different colours represented, which builds on the information provided in B.

D: Ends with a specific and interesting fact, tying together the earlier points about colours and their meanings.

Every sentence contributes to the preceding one, crafting a cohesive and informative paragraph that highlights an interesting aspect of the Incan civilization.

Hence, the chosen option is the correct answer.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1) _____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles. There are three things that happen when you look at an object: 1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size. 2. It is necessary to focus the scattered light at the retina's (2) _____. 3. To match the retina's curve, the image must be curved. The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches. To make precise cuts as (5) _____ as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

Question 72 :

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

Difficulty : Moderate

Average Time : 156 Seconds

Options :

1. reason
2. foundation
3. justification
4. cause

Solution :

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

In the context of the passage, "**foundation**" accurately describes the purpose or basis for images being formed on the retina.

"**Justification**" and "**reason**" suggest more of an explanation or argument than the essential elements.

"**Cause**" implies an occurrence or activity that results in something, which is inappropriate given the context of how images are formed.

"**Foundation**" expresses the idea of the essential building blocks upon which images are concisely produced on the retina.

Hence, the chosen option is the correct answer.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1) _____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles. There are three things that happen when you look at an object: 1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size. 2. It is necessary to focus the scattered light at the retina's (2) _____. 3. To match the retina's curve, the image must be curved. The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches. To make precise cuts as (5) _____ as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

Question 73 :

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

Difficulty : Moderate

Average Time : 142 Seconds

Options :

1. lane
2. side
3. top
4. surface

Solution :

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

"**Surface**" accurately describes the point where light should be focused to direct scattered light onto the retina.

The terms "**lane**" and "**side**" have no bearing on the way light is focused onto the retina or the anatomy of the eye.

"**Top**" is a faulty depiction of the point at which light must be focused to see.

The term "**surface**" aptly defines the correct anatomical position of the lens in the eye for focusing light.

Hence, the chosen option will be the correct answer.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1) _____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles. There are three things that happen when you look at an object: 1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size. 2. It is necessary to focus the scattered light at the retina's (2) _____. 3. To match the retina's curve, the image must be curved. The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches. To make precise cuts as (5)_____. as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

Question 74 :

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

Difficulty : Moderate

Average Time : 142 Seconds

Options :

1. alone
2. together
3. consciously
4. separately

Solution :

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



The phrase "**working together**" aptly captures the collaborative function of the lens and cornea in directing the image onto the retina.

"**Alone**" is incorrect since it suggests that the lens and cornea work together independently.

"**Consciously**" has no bearing on the physiological mechanism mentioned.

Additionally, the use of the term "**separately**" is incorrect as it contradicts the cooperative function of the cornea and lens.

The word "**together**" concisely conveys the coordinated effort needed for this procedure.

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 cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1) _____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles. There are three things that happen when you look at an object: 1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size. 2. It is necessary to focus the scattered light at the retina's (2) _____. 3. To match the retina's curve, the image must be curved. The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches. To make precise cuts as (5)_____. as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

Question 75 :

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

Difficulty : Moderate

Average Time : 139 Seconds

Options :

1. abolishing
2. destroying
3. demonstrating
4. eliminating

Solution :



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

"**Eliminating**" is the correct response for blank no. 4 since it appropriately depicts the procedure used in corneal surgery to remove stitches.

"**Abolishing**" implies a formal end rather than the removal of a requirement.

"**Destroying**" implies injury or destruction, which is inappropriate in this context.

"**Demonstrating**" has no bearing on how surgical procedures are conducted.

The word "**eliminating**" encapsulates the idea of doing away with the need for stitches during treatment.

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 cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1) _____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles. There are three things that happen when you look at an object: 1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size. 2. It is necessary to focus the scattered light at the retina's (2) _____. 3. To match the retina's curve, the image must be curved. The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches. To make precise cuts as (5) _____ as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

Question 76 :

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

Difficulty : Moderate

Average Time : 138 Seconds

Options :

1. big
2. high
3. small
4. large

Solution :

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

"**Small**" is the appropriate response for blank number 5 as it accurately describes the size of the cuts to be made with the laser beam.

The other options, "**big**," "**high**," and "**large**," are inappropriate according to the context of the passage.

Hence, the correct sentence will be: To make precise cuts as **small** as a quarter micron in length, a laser beam is sharply focused.

Question 77 :

The Pradhan Mantri Jeevan Jyoti Bima Yojana is for Indian citizens in the age group of:

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 40 to 70 years
2. 18 to 50 years
3. 29 to 55 years
4. 35 to 60 years

Solution :

The correct answer is **Option 2** i.e. **18 to 50 years**

- The Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) is a life insurance scheme for Indian citizens between the ages of 18 and 50.
- The scheme offers one-year term life cover of ₹12 lakh for death due to any reason.
- The premium is ₹1436 per year per member and is deducted from the account holder's savings bank account on May 31st every year.

Question 78 :

Pandit Jasraj, Bhimsen Joshi and Zakir Hussain are associated with which form of music?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Jazz Music
2. Pop Music



Hindustani Classical Music

4. Camatic Music

Solution :

The correct answer is **Option 3** i.e. **Hindustani Classical Music**

- Pandit Jasraj, Bhimsen Joshi, and Zakir Hussain are all associated with Hindustani classical music.
- Pandit Jasraj is an Indian classical vocalist from the Mewati Gharana who is known for innovations in music.
- Bhimsen Josh is an Indian vocalist from Karnataka who is known for his khayal form of singing and his popular renditions of devotional music.
- Zakir Hussain is tabla player who released his first solo album, Making Music, in 1987.

Question 79 :

Lord Curzon declared the partition of in 1905 in

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Central Provinces
2. Punjab
3. United Provinces
4. Bengal

Solution :

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

- In 1905 Lord Curzon, the British Viceroy of India, announced the partition of Bengal.
- The partition separated the Bengal Presidency into two provinces: West Bengal and East Bengal.
- The partition separated the largely Muslim eastern areas from the largely Hindu western areas.
- The Anti-Partition movement was a movement initiated on August 7, 1905 to protest against the partition of Bengal.
- The leaders of the protest movement declared it to be a day of national mourning throughout Bengal.

Question 80 :

Which of the following can be referred to in the estimation of poverty?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Average Marginal Utility

Maximum Support Value

3. Minimum Support Price

4. Monthly Per Capita Expenditure

Solution :

The correct answer is **Option 4** i.e. **Monthly Per Capita Expenditure**

- Monthly per capita expenditure (MPCE) is used in the estimation of poverty.
- MPCE is defined as household consumer expenditure over a period of 30 days divided by the household size.
- It's also one of the important indicators of a family's economic level.
- The poverty line is defined on the basis of MPCE.

Question 81 :

Guru Shashadhar Acharya was awarded the Padma Shri in 2020 for his contribution to which of the following?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Odissi Chaiti Ghoda dance
2. Folk and Sufi singing
3. Kathak dance and training
4. Chhau dance

Solution :

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

- Guru Shashadhar Acharya is a folk dance exponent and Chhau dancer from Jharkhand who received the Padma Shri in 2020 for his contribution to the Chhau dance.
- Acharya is a faculty member at the Film and Television Institute of India (FTII) in Pune and at the National School of Drama in New Delhi.
- He also teaches at the Triveni Kala Sangam in New Delhi.

Question 82 :

According to the Indian calendar, Vasanta Season falls in which months?

Difficulty : Moderate

Average Time : 53 Seconds

Options :



Chaitra-Vaisakha

2. Jyaistha-Asadha

3. Margashirsa-Pausa

4. Sravana-Bhadra

Solution :

The correct answer is **Option 1** i.e. **Chaitra-Vaisakha**

- According to the Hindu calendar, Vasanta season, also known as spring, falls in the months of Chaitra and Baisakh.
- Vasanta season is from mid-February to mid-April, with an average temperature of 32°C.
- Vasanta is celebrated in North and Eastern India, and is also known as Basant.
- Vasanta Panchami is a festival that marks the beginning of spring and the end of winter, and is dedicated to the goddess Saraswati.

Question 83 :

Which of the following was one of the first countries to use iron for the manufacture of weapons in as early as 1700 BCE?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Romania
2. Morocco
3. India
4. Bulgaria

Solution :

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

- According to Britannica, Romania is one of the first countries to use iron for weapons as early as 1700 BCE.
- Iron was also used in Greece shortly after.
- The Hittites were the first civilization to use iron smelting technology in the 14th century BC.
- Iron was used for small knives, pins, and other personal objects, and for repairs on bronze items during the Middle and Late Bronze Age.

Question 84 :

Which plant is considered a noxious weed that has a chemical defence mechanism to protect it from predators?

Difficulty : Moderate

Average Time : 54 Seconds



Options :

1. Calotropis
2. Chicory
3. Black henbane
4. Field bindweed

Solution :

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

- Calotropis is a flowering plant that produces highly poisonous cardiac glycosides.
- This chemical defense mechanism protects the plant from predators.
- Animals don't eat Calotropis because of the glycosides, which can affect the heart.
- Noxious weeds are non-native plants that are ecologically destructive and highly invasive.
- They can be harmful to public health, agriculture, recreation, wildlife, or property.

Question 85 :

Singhraj Adhana is associated with which of the following sports events?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Badminton
2. High jump
3. Shooting
4. Discus throw

Solution :

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

- Singhraj Adhana is an Indian Paralympian and shooter.
- He is associated with shooting sports, which include archery and competitive and recreational activities.
- Adhana is from Faridabad, Haryana and was born on January 26, 1982.
- At the 2020 Summer Paralympics, he won a bronze medal in the men's P1 10 metre air pistol SH1 and a silver medal in the Mixed 50m pistol SH1.
- He also won a bronze medal in the men's 10 m air pistol SH1 at the 2020 Tokyo Paralympics.

Question 86 :

The origin of 'Carnatic music' is related to which of the following Dynasties?



Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Bahamani
2. Chola
3. Pandaya
4. Vijayanagar

Solution :

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

- The origin of Carnatic music is related to the Vijayanagara dynasty.
- The Vijayanagara Empire was a South Indian dynasty based in the Deccan Plateau region, established in 1336.
- Carnatic music flourished under the patronage of the Vijayanagara empire between the 12th and 16th century AD.
- Purandara Dasa, known as the "father (Pitamaha) of Carnatic music".
- Carnatic music is a tradition of Indian classical music that originated in the Bhakti movement.

Question 87 :

Ramakrishna Gopal Bhandarkar and Mahadev Govind Ranade carried out their work of religious reforms in Maharashtra through which of the following organisations?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Prarthana Samaj
2. Atmiya Sabha
3. Theosophical Society
4. Brahmo Samaj

Solution :

The correct answer is **Option 1** i.e. **Prarthana Samaj**

- Ramakrishna Gopal Bhandarkar and Mahadev Govind Ranade were part of the Prarthana Samaj, a socio-religious reform movement in western India.
- The Prarthana Samaj was founded in Bombay in 1867 by Bhandarkar, Ranade, and Atmaram Pandurang.
- The movement's goal was to reform orthodox Hinduism's social customs and to promote the belief in one God.



The Prarthana Samaj also sought to combat the caste system and untouchability.

Question 88 :

Shri Omprakash Mitharval was in news for being conferred with Arjuna Award 2022 for his outstanding contribution in which of the following sports?

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

1. Wushu
2. Table Tennis
3. Shooting
4. Weightlifting

Solution :

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

- Shri Omprakash Mitharval was in news for being conferred with Arjuna Award 2022 for his outstanding contribution in Shooting.
- Om Prakash Mitharwal is an Indian sport shooter.
- At the 2018 ISSF World Shooting Championships, he won the gold medal in the 50 metre pistol and silver in 10 metre air pistol team event.
- He won the gold medal at the 2018 ISSF World Cup in Guadalajara in the 10 metre air pistol mixed team event with Manu Bhaker.

Question 89 :

In which of the following years did India celebrate its 73rd Republic Day?

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

1. 2022
2. 2019
3. 2021
4. 2020

Solution :

The correct answer is **Option 1** i.e. **2022**



India celebrated its 73rd Republic Day on January 26, 2022.

- India celebrates its Republic Day on January 26 every year.
- This day honors the day in 1950 when the Indian Constitution came into effect, making India a republic and a sovereign state.
- The 2022 Republic Day parades featured a women-centric parade that showcased India's cultural heritage and diversity.

Question 90 :

In which of the following states is the National Sports University located?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Manipur
2. Punjab
3. Madhya Pradesh
4. Assam

Solution :

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

- The National Sports University located in Imphal, Manipur.
- It was established in 2018.
- The Vice-Chancellor of NSU is Prof. Usha S. Nair.
- It is affiliated with UGC.

Question 91 :

What is the correct sequence of layers of Earth from the outside of the planet to the inside?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Mantle (outermost)-core-crust (innermost)
2. Crust (outermost)-core-mantle (innermost)
3. Crust (outermost)-mantle-core (innermost)
4. Core (outermost) - mantle-crust (innermost)

**Solution :**

The correct answer is **Option 1** i.e. **Crust (outermost)-mantle-core (innermost)**

- The correct sequence of layers of Earth from the outside of the planet to the inside is Crust (outermost)-mantle-core (innermost).
- Crust: The outermost layer, where we live. The crust is the thinnest layer, varying from about 5 kilometers in thickness in the oceanic crust to about 30-70 kilometers in the continental crust.
- Mantle: The thickest layer of the Earth, making up 68% of the total mass of the earth. The upper part of the mantle is known as the asthenosphere.
- Outer core: A liquid layer located beneath the mantle.
- Inner core: The deepest layer and the center of the Earth lies inside the inner core.

Question 92 :

Which of the following dances is NOT predominantly performed in the Indian state of Odisha?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Paika
2. Ghumra
3. Dhap
4. Bhava

Solution :

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

- The Ghumra dance is not predominantly performed in Odisha.
- The Ghumra dance is still performed in the village level in South Western Orissa and some parts of bordering Andhra Pradesh and Chhattisgarh.
- The Kalahandi region is known as the land of Ghumra.
- The Odishi dance is the typical classical dance form of Odisha.

Question 93 :

The minimum requirement of microfinance loans for NBFC-MFIs is

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 75% of the total assets



75% of the total equity

3. 90% of the total assets

4. 80% of the total equity

Solution :

The correct answer is **Option 1** i.e. **75% of the total assets**

- The Reserve Bank of India (RBI) has revised the minimum requirement for microfinance loans for non-banking financial companies (NBFC-MFIs) to 75% of total assets.
- This is in line with the harmonization of microfinance regulation for all lenders.
- Microloans are intended to help individuals start or expand their small businesses.
- They play an important role in poverty reduction and financial inclusion.

Question 94 :

Which of the following statements are correct regarding removal of the President of India? A. The Impeachment process can be initiated in the either House of Parliament. B. The Impeachment charges must be signed by the one-third members of the House In which the process is initiated. C. In the impeachment process, a 30 days' notice should be given to the President. D. The Impeachment resolution is passed by a majority of two-thirds of the total membership of that House.

Difficulty : Moderate

Average Time : 72 Seconds

Options :

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

Solution :

The correct answer is **Option 4** i.e. **A and D only**

- The Impeachment process can be initiated in the either House of Parliament. Statement A is correct.
- The Impeachment resolution is passed by a majority of two-thirds of the total membership of that House. Statement D is also correct.
- Statement B is incorrect as two-third members must sign the impeachment charges.
- The President can be removed from office by a process of impeachment for violation of the Constitution.

Question 95 :

Which of the following is NOT a Fundamental Right mentioned in the Indian Constitution?



Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Right to property
2. Right to equality
3. Right to freedom of religion
4. Right to freedom

Solution :

The correct answer is **Option 1** i.e. **Right to Property**

- The right to property is not a fundamental right in the Indian Constitution.
- The 44th Amendment of 1978 removed the right to property from the list of fundamental rights.
- The 44th Amendment also added Article 300-A, which states that "no person shall be deprived of his property save by authority of law".

Question 96 :

When was the Smart Cities Mission launched in India?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

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

Solution :

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

- The Smart Cities Mission launched in India in 2015.
- Prime Minister Narendra Modi launched the Smart Cities Mission (SCM) on June 25, 2015.
- The mission's goal is to improve cities by providing core infrastructure, a clean and sustainable environment, and a decent quality of life for citizens through "smart solutions".

Question 97 :

What is the common term for Ancylostoma?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Tape worm
2. Round worm
3. Filaria worm
4. Hookworm

Solution :

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

- Ancylostoma duodenale is also known as the human hookworm.
- It's a parasitic infection that's most common in countries with poor access to water, sanitation, and hygiene.
- It's transmitted through contact with contaminated soil.
- Ancylostoma is a genus of nematodes that includes some species of hookworms.

Question 98 :

,3-Dimethylbenzene also known as:

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. BHC
2. m-Xylene
3. toluene
4. terelene

Solution :

The correct answer is **Option 2** i.e. **m-Xylene**

- 1,3-Dimethylbenzene is also known as m-Xylene.
- It is also known as meta-xylene, m-Xylol, and m-methyltoluene.
- 1,3-Dimethylbenzene is an aromatic hydrocarbon compound.
- It's one of three isomers of dimethylbenzene, known collectively as xylenes.
- All xylene isomers are colorless and highly flammable.

Question 99 :

The State of Kerala Vs Leesamma Joseph case deals with



Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. dowry
2. the economic weaker section
3. education
4. persons with disabilities

Solution :

The correct answer is **Option 4** i.e. **persons with disabilities**

- The State of Kerala Vs Leesamma Joseph case deals with persons with disabilities.
- The Supreme Court of India in its judgment on 28 June 2021 in the case of "State of Kerala vs Leesamma Joseph" affirmed that the persons with disabilities have a right to reservation in promotion.
- The right to reservation is under Article 16(4) of the Constitution of India, 1950.

Question 100 :

Who discovered that diborane reacts with aldehydes and ketones to produce dialkoxyboranes, Which are hydrolysed by water to produce alcohols?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. HC Brown
2. Hugo Rudolph Kruyt
3. Arthur Stoll
4. Ame Tiselius

Solution :

The correct answer is **Option 1** i.e. **HC Brown**

- In 1959, Herbert C. Brown first reported that diborane reacts with aldehydes and ketones to form dialkoxyboranes.
- He was a British-born American chemist.
- These dialkoxyboranes are then hydrolyzed by water to produce alcohols.
- Brown is also known for his work with organoboranes, which are chemical compounds that contain a bond between carbon and boron.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2023-10-27 in the Morning Shift 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 General Awareness, 25 questions were asked from Logical Reasoning and 25 questions were asked from English Language
4. 17 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Quantitative Aptitude

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

General Awareness

1. History - 2
2. Polity - 2
3. Economics - 2
4. Science - 3
5. Geography - 3
6. GK Misc - 2



- Current Affairs - 7
- 8. Law & Constitution - 1
- 9. Art And Culture - 3

Logical Reasoning

- 1. Coding Decoding - 2
- 2. Arrangement And Pattern - 1
- 3. Analogy - 7
- 4. Blood Relation - 2
- 5. Syllogism - 2
- 6. Paper Folding And Cutting - 1
- 7. Mirrors And Water Reflection - 2
- 8. Series - 1
- 9. Mathematical Reasoning - 2
- 10. Image Series - 2
- 11. Pattern Completion - 1
- 12. Seating Arrangement And Puzzle - 2

English Language

- 1. Cloze Test - 5
- 2. Error Spotting - 2
- 3. Sentence & Para Jumbles - 2
- 4. Idioms - 2
- 5. One Word Substitution - 2
- 6. Voice - 2
- 7. Sentence Improvement - 1
- 8. Synonym - 2
- 9. Antonym - 3
- 10. Filler (Vocab) - 1
- 11. Filler (Grammar) - 1
- 12. Correctly Spelt - 2

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks

- 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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