

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 :

Identify the water harvesting system in Western Himalayas.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Khadins
2. Johads
3. None of these
4. Guls

Solution :

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

- Guls, also referred to as kuls, are intricate diversion channels strategically constructed along the contours of hillsides in the Western Himalayas.
- These channels play a pivotal role in collecting and conveying water from streams and springs to both villages and agricultural fields.
- Typically crafted from a combination of stone or earth, these guls are fortified with linings made of clay or plastic to mitigate leakage risks. Stretching across several kilometers, guls often feature multiple branches, facilitating the efficient distribution of water to diverse areas within the region.

Question 2 :

An 11-digit number 7823326867X is divisible by 18. What is the value of X?

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

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

Solution :

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

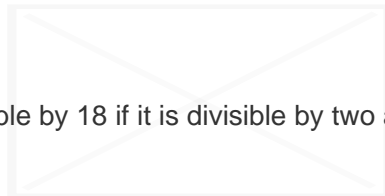
Given that

7823326867X is divisible by 18

Concept used

Divisibility rule of 18 : A number is divisible by 18 if it is divisible by two and nine.

Calculation



The possible value of X is an even digit number divisible by 2

The sum of digits of given number = $7 + 8 + 2 + 3 + 3 + 2 + 6 + 8 + 6 + 7 + X = 52 + X$

For divisible by 9, the value will be 2

Hence, the given number is divided by 18 when $X = 2$

Question 3 :

(N + 18) persons, each working for 7.5 hours a day, can complete 48% of a work in 20 days. (N + 12) persons can complete the remaining work in 30 days if each of them works for 6.5 hours per day. Determine the value of N.

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

1. 18
2. 16
3. 20
4. 22

Solution :

The correct answer is **option 1** i.e. **18**.

Given:

(N + 18) persons, each working for 7.5 hours a day, can complete 48% of a work in 20 days.

(N + 12) persons can complete the remaining work in 30 days if each of them works for 6.5 hours per day

Concept used:

(Man × Days × Hours)/work = constant

Calculation:

$$(N + 18) \times 7.5 \times 20/48 = (N + 12) \times 30 \times 6.5/52$$

$$7800N + 140400 = 9360N + 112320$$

$$9360N - 7800N = 140400 - 112320$$

$$1560N = 28080$$

$$N = 28080/1560$$

$$N = 18$$

**Question 4 :**

Two chords of a circle AB and CD meet at a point P outside the circle. If AP = 200 mm, AB = 120 mm, and CP = 160 mm, then what is the length of CD?

Difficulty : Moderate

Average Time : 61 Seconds

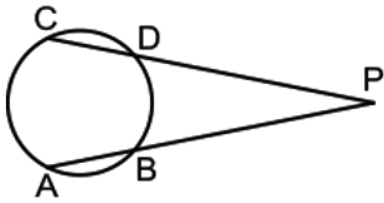
Options :

1. 100 mm
2. 75 mm
3. 60 mm
4. 150 mm

Solution :

The correct answer is **option 3** i.e. **60 mm**.

Given that



$AP = 200$ mm, $AB = 120$ mm, $CP = 160$ mm

$BP = AP - AB = 200 - 120 = 80$ mm

According to the question

$$CP \times DP = AP \times BP$$

$$160 \times DP = 200 \times 80$$

$$DP = 200 \times 80 / 160 = 100$$
 mm

Hence, $CD = CP - DP = 160 - 100 = 60$ mm

Question 5 :

The famous physicist Victor Franz Hess is known for the discovery of:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. cosmic radiation
2. quantum statistics
3. expanding universe
4. theory of super conductivity

Solution :

The correct answer is **Option 1**, i.e. **cosmic radiation**

- Victor Franz Hess, the Austrian physicist, is renowned for his discovery of cosmic radiation. He made this groundbreaking discovery in 1912 while conducting experiments with a series of high-altitude balloon flights.
- Hess observed that the ionization levels in the Earth's atmosphere increased with altitude, indicating the presence of penetrating radiation from space, which he later identified as cosmic rays. For his contributions to the field, Victor Franz Hess was awarded the Nobel Prize in Physics in 1936.

Question 6 :

Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1. Variance 2. Violence 3. Vanquish 4. Vampire 5. Valiant 6. Victorious

Difficulty : Moderate

Average Time : 62 Seconds

Options :

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

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

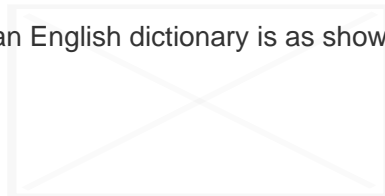
3. 5, 4, 3, 1, 6, 2

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

Solution :

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

The arrangement of the given words in an English dictionary is as shown below :



5. Valiant

4. Vampire

3. Vanquish

1. Variance

6. Victorious

2. Violence

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

Question 7 :

Which two signs should be interchanged to make the given equation correct? $756 \div 252 + 89 \times 180 - 63 = 384$

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. + and x

2. \div and -

3. - and +

4. \div and +

Solution :

The correct answer is **Option 1**, i.e. **+ and ×**

Option 1) : + and ×

Given equation is : $756 \div 252 + 89 \times 180 - 63 = 384$

After interchanging the two signs :

$$756 \div 252 \times 89 + 180 - 63 = 384$$

After using the BODMAS rule,

$$(756 \div 252) \times 89 + 180 - 63 = 384$$

$$(3 \times 89) + 180 - 63 = 384$$

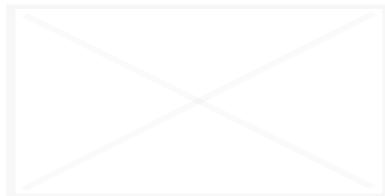
$$267 + 180 - 63 = 384$$

$$447 - 63 = 384$$

$$384 = 384$$

LHS = RHS

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

**Question 8 :**

Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series. AESO_WDAE __ MWDA_SOM_D_ESOMW_

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. MOSEDAW
2. MOSEDAW
3. MOSEDAW
4. MOSEDAW

Solution :

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

Given :- AESO_WDAE __ MWDA_SOM_D_ESOMW_

From options:

- 1) MOSEDAW A E S O M W D - A E O S M W D - A E S O M D D - A E S O M W W
- 2) MSOEDAW A E S O M W D - A E S O M W D - A E S O M D D - A E S O M W W
- 3) MOESWAD A E S O M W D - A E O E M W D - A S S O M W D - A E S O M W D
- 4) MSOEWAD A E S O M W D - A E S O M W D - A E S O M W D - A E S O M W D

So, 'AESOMWD' is repeated.

Hence, the correct answer is "MSOEWAD".

Question 9 :

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

Difficulty : Moderate

Average Time : 122 Seconds

Options :

1. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133511
2. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133523
3. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133538
4. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133551

Solution :

The correct answer is **option 3** i.e. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133538

The correct mirror image:

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133615

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

Question 10 :

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. 7 : 21 :: 14 : 42 :: 18 : ?

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. 57
2. 54
3. 63

72

Solution :

The correct answer is **option 2** i.e. **54**.

The logic: First number \times 3 = Second number

$$7 : 21 \quad 7 \times 3 = 21$$

$$14 : 42 \quad 14 \times 3 = 42$$

Similarly,

$$18 : ? \quad 18 \times 3 = \mathbf{54}$$

Hence, the correct answer is **54**.

Question 11 :

'Wilt' is related to 'Droop' in the same way as 'Thrive' is related to '_____':

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Decline
2. Careful
3. Deteriorate
4. Flourish

Solution :

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

Wilt is the synonym of Droop.

Similarly,

Thrive is the synonym of Flourish.

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

Question 12 :

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

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133222
2. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133236
3. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133247
4. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133321

Solution :

The correct answer is **option 3** i.e. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133247

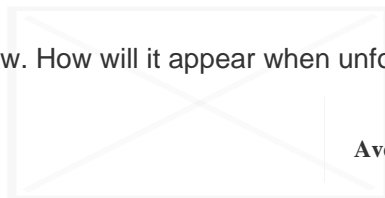
The embedded figure is shown below:

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133350

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

Question 13 :

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



Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133043
2. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133053
3. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133104
4. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133114

Solution :

The correct answer is **option 2** i.e. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133053

After unfolding the given paper, the resulting figure is shown below:

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708133136

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

Question 14 :

Which of the following terms will replace the question mark (?) in the given series? BCE, GHJ, LMO, QRT, ?

Difficulty : Moderate

Average Time : 77 Seconds

Options :

VWY

2. VWX

3. WXZ

4. UVX

Solution :

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

The logic:

Source: aptier 1 2023 by 15 - Irmadhu3020240708132951

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

Question 15 :

In a certain code language, 'time has come' is coded as 'et im ak'; 'come with money' is coded as 'nd ak co' and 'money has power' is coded as 'fu et nd'. (All the codes are two-letter codes only.) How will 'with power' be coded in that language?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. et mp

2. td fu

3. fu co

4. co mp

Solution :

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

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So 'with power' is coded as 'fu co'.

Hence, the correct answer is **fu co**.

Question 16 :

Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.) Cotton : Cloth :: Sugarcane : ?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Salt
2. Coffee
3. Sugar
4. Chocolate

Solution :

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

Cotton is used to make clothes. Similarly, sugarcane is used to make sugar.

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

Question 17 :

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) (15, 21, 10) (25, 36, 17)

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. (100, 45, 87)
2. (100, 33, 31)
3. (123, 23, 56)
4. (50, 45, 31)

Solution :

The correct answer is **option 2** i.e. **(100, 33, 31)**.

Logic: (First number \div 5) + (Second number \div 3) = Third number.

For, (15, 21, 10) = (15 \div 5) + (21 \div 3) = 3 + 7 = 10.

For, (25, 36, 17) = (25 \div 5) + (36 \div 3) = 5 + 12 = 17.

Similarly,

For $(100, 33, 31) = (100 \div 5) + (33 \div 3) = 20 + 11 = 31$.

Hence, the correct answer is **(100, 33, 31)**.

Question 18 :

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.) (13, 64, 5) (10, 1, 9)

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. (15, 144, 9)
2. (16, 256, 9)
3. (15, 306, 9)
4. (16, 49, 9)



Solution :

The correct answer is **option 4** i.e. **(16, 49, 9)**.

The logic: (First number - Third number)²

$$(13, 64, 5) \quad (13 - 5)^2 = 8^2 = 64$$

$$(10, 1, 9) \quad (10 - 9)^2 = 1^2 = 1$$

Similarly,

$$(16, 49, 9) \quad (16 - 9)^2 = 7^2 = 49$$

Hence, the correct answer is **(16, 49, 9)**.

Question 19 :

In a certain code language, 'DESIGN' is coded as 8-10-38-18-14-28 and 'FOREST' is coded as 12-30-36-10-38-40. How will 'PLAYER' be coded in the same language?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 32-24-2-50-10-36

32-26-2-50-12-38

3. 36-24-2-50-10-34

4. 32-22-2-50-12-36

Solution :

The correct answer is **option 1** i.e. **32-24-2-50-10-36**

The logic followed here is:

For 'DESIGN' ;

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132742

Similarly, for 'PLAYER';

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132758

Hence, the correct answer is **32-24-2-50-10-36**.

Question 20 :

Select the Venn diagram that best illustrates the relationship between the following classes. Fathers, Brothers and Males



Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132616

2. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132625

3. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132637

4. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132649

Solution :

The correct answer is **option 2** i.e. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132625

The least Venn diagram is as follows:

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132714

Some fathers are brothers. All fathers are males. All brothers are males.

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

Question 21 :

Select the figure that will come in place of the question mark (?) in the following figure series.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132452
2. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132504
3. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132516
4. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132526

Solution :

The correct answer is **option 4** i.e. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132526

The logic: The right vertical line is placed at the bottom, followed by step-by-step horizontal lines. Similarly, the left vertical line is placed at the bottom with step-by-step horizontal lines. This process alternates between left and right with each figure.

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132548

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

Question 22 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation. $36 * 12 * 6 * 12 * 3 = 63$

Difficulty : Moderate

Average Time : 85 Seconds

Options :

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

Solution :

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

From option 1) : $\times, \div, -, +$

Given equation : $36 * 12 * 6 * 12 * 3 = 63$

After inserting the mathematical signs we get:

$$36 \times 12 \div 6 - 12 + 3 = 63$$

After using the BODMAS rule,

$$36 \times (12 \div 6) - 12 + 3 = 63$$

$$(36 \times 2) - 12 + 3 = 63$$

$$72 - 12 + 3 = 63$$

$$75 - 12 = 63$$

$$63 = 63$$

LHS = RHS

Hence, the correct answer is $\times, \div, -, +$.

Question 23 :

Three different positions of the same dice are shown. Find the number on the face opposite the face showing '3'.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 4

2. 1

3. 5

4. 2

Solution :

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

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On comparing Figure 1 and Figure 2 we get opposite pairs that are as follows:

Figure 1: 5 3 4

Figure 2: 5 1 2

Opposite pairs: **(3,1)** and (4, 2)

So, 3 is opposite to 1.

Question 24 :

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

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132305
2. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132314
3. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132325
4. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132333

Solution :

The correct answer is **option 4** i.e. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132333

The logic: The slant line is added progressively from figure to figure within the triangle.

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132355

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

Question 25 :

Select the Venn diagram that best illustrates the relationship between the following classes. Clothes, Shirts, Linen Clothes = C Shirts = S Linen = L

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132146
2. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132153
3. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132201
4. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132211

Solution :

The correct answer is **option 4** i.e. f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132211

All the shirts are clothes. Some shirts are made from Linen.

f5ssc cgl tier 1 2023 py15 - Irmadhu3020240708132211

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

Question 26 :

A % B means 'A is the daughter of B' A = B means 'A is the sister of B' A \$ B means 'A is the father of B' If X % Y = Z% W\$ V, then how is Z related to V?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. Mother
2. Mother's mother
3. Sister
4. Brother

Solution :

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

Given equation: X % Y = Z% W \$ V

After decoding we get, X is the daughter of Y, Y is the sister of Z, Z is the daughter of W, and W is the father of V.

The family tree:

15 sec on 11/11/2023 by 15 - Irmadhu3020240708132111

Z is sister to V.

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

Question 27 :

Which of the following numbers will replace the question mark (?) in the given series? 3, 12, ?, 39, 57, 78

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 19
2. 22
3. 20
4. 24

Solution :

The correct answer is **option 4** i.e. **24**

The logic followed here is:

555ccgltier 1 2023 by 15 - Irmadhu3020240708132050

Hence, the correct answer is **24**.

Question 28 :

Select the set in which the numbers are related in the same way as are the numbers of the following 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) (47, 108, 169) (22, 83, 144)

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. (11, 73, 133)
2. (51, 112, 173)
3. (33, 121, 181)
4. (8, 64, 130)



Solution :

The correct answer is **option 2** i.e. **(51, 112, 173)**

The logic: (Second number \times 2) - First number = Third number.

$$(47, 108, 169) \quad (108 \times 2) - 47 = 216 - 47 = 169.$$

$$(22, 83, 144) \quad (83 \times 2) - 22 = 166 - 22 = 144.$$

Similarly,

$$(51, 112, 173) \quad (112 \times 2) - 51 = 224 - 51 = 173.$$

Hence, the correct answer is **(51, 112, 173)**.

Question 29 :

The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

23 : 153

2. 15 : 97

3. 16 : 106

4. 26 : 174

Solution :

The correct answer is **option 3** i.e. **16 : 106**.

The logic: (First number \times 7) - 8

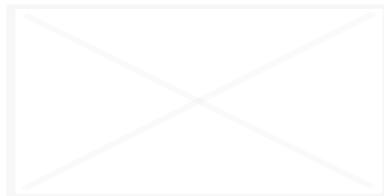
1) 23 : 153 $(23 \times 7) - 8 = 161 - 8 = 153$

2) 15 : 97 $(15 \times 7) - 8 = 105 - 8 = 97$

3) 16 : 106 $(16 \times 7) - 8 = 112 - 8 = 104$ **106**.

4) 26 : 174 $(26 \times 7) - 8 = 182 - 8 = 174$

Hence, the correct answer is **16 : 106**.



Question 30 :

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

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. HJNU

2. TXBG

3. ACGN

4. PRVC

Solution :

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

The logic followed here is :

1. HJNU $H + 2 = J, J + 4 = N, N + 7 = U$

2. TXBG $T + 4 = X$, $X + 4 = B$, $B + 5 = G$

3. ACGN $A + 2 = C$, $C + 4 = G$, $G + 7 = N$

4. PRVC $P + 2 = Q$, $R + 4 = V$, $V + 7 = C$

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

Question 31 :

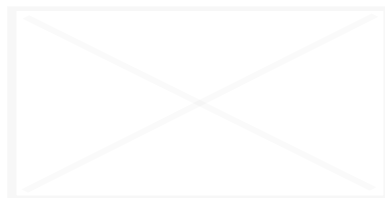
Who among the following Indian classical tabla players was called 'Abbaji'? He collaborated with American jazz drummer Buddy Rich to create a music album in 1968.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Taufiq Qureshi
2. akir Hussain
3. Fazal Qureshi
4. Alla Rakha



Solution :

The correct answer is **Option 4**, i.e. **Alla Rakha**

- The Indian classical tabla player who was referred to as 'Abbaji' and collaborated with American jazz drummer Buddy Rich to create a music album in 1968 is Ustad Allarakha Khan.
- Ustad Allarakha Khan is widely known by the affectionate title 'Abbaji' and is recognized for his significant contributions to classical Indian music, particularly in the field of tabla playing.

Question 32 :

The National Multidimensional Poverty Index 2021 (MPI) was released by which of the following?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. World Bank
2. Ministry of Finance
3. NITI Aayog

Ministry of Social Justice and Empowerment**Solution :**

The correct answer is **Option 3**, i.e. **NITI Aayog**

- The National Multidimensional Poverty Index 2021 (MPI) serves as a comprehensive gauge of poverty, encompassing various deprivations experienced by households in health, education, and living standards.
- This pioneering index, tailored for India, relies on the most recent data from the National Family Health Survey (NFHS-5). NITI Aayog is the entity responsible for releasing this index, marking a significant step in understanding and addressing multidimensional poverty in the country.

Question 33 :

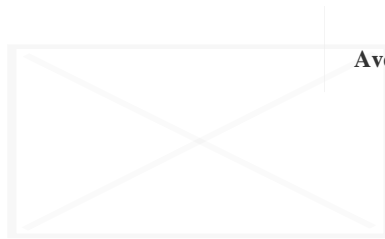
In which year did E Gorter and F Grendel make a breakthrough by examining the surface area of lipids and concluded that the lipid surface surrounding cells must be of two layers?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 1910
2. 1925
3. 1945
4. 1962

**Solution :**

The correct answer is **Option 2**, i.e. **1925**

- E. Gorter and F. Grendel made their breakthrough in 1925 when they conducted experiments on the surface area of lipids. Through their studies, they concluded that the lipid surface surrounding cells must consist of two layers.

Question 34 :

Who among the following advocated the ideology of "oru jati, oru matam, oru daivam manushyanu" (one caste, one religion, one god for humankind)?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Birsa Munda
2. Narayana Guru

Swami Shradhanand

4. Keshub Chunder Sen

Solution :

The correct answer is **Option 2**, i.e. **Narayana Guru**

- Shri Narayana Guru, a revered guru from the Ezhava caste in present-day Kerala, advocated for unity among his people and vehemently opposed the unequal treatment based on caste distinctions. He asserted that all of humanity shared a common caste.
- One of his notable statements is "Oru jati, oru matam, oru daivam manushyanu" (One caste, one religion, one god for humankind). The conflict between the depressed classes and the upper non-Brahmana castes in Kerala is exemplified by the Sri Narayana Dharma Paripalana (SNDP) movement.

Question 35 :

In November 2022, the Union Cabinet, chaired by the Prime Minister Narendra Modi, approved the naming of Greenfield Airport at Hollongi, Itanagar as:

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Lokpriya Gopinath Bordoloi International Airport
2. East Siang Airport
3. Changlang Airport
4. Donyi Polo Airport

Solution :

The correct answer is **Option 4**, i.e. **Donyi Polo Airport**.

- Donyi Polo Airport, located in Hollongi, approximately 14 km south of the city center of Itanagar, serves as a domestic airport for the capital city of Arunachal Pradesh, India.
- In November 2022, the Union Cabinet, under the leadership of Prime Minister Narendra Modi, granted approval for renaming the Greenfield Airport at Hollongi as Donyi Polo Airport, Itanagar.

Question 36 :

According to the 2011 Census of India, which state has the highest population in India?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

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

Solution :

The correct answer is **Option 3**, i.e. **Uttar Pradesh**

The major highlights of the Census 2011 (Provisional figures) are as under ;-

- The population of India has increased by more than 181 million during the decade 2001-2011.
- Percentage growth in 2001-2011 is 17.64; males 17.19 and females 18.12.
- Uttar Pradesh (199.5 million) is the most populous State in the country followed by Maharashtra with 112 million.

Question 37 :

According to a written reply to the Lok Sabha by Government of India, as on 20 July 2022, approximately _____ unorganised sector workers are registered on the e-Shram portal.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 27 crores
2. 26 crores
3. 28 crores
4. 25 crores

Solution :

The correct answer is **Option 3**, i.e. **28 crores**

- Launched in August 2021, the e-Shram portal serves as a national repository for unorganized workers. Functioning as a comprehensive platform, it offers access to information and services pertaining to social security schemes, consolidating resources for this demographic.
- Workers can register on the portal, obtaining a Universal Account Number (UAN) that facilitates participation in various social security initiatives. As of July 2022, around 28.96 crore unorganized sector workers have enrolled on the e-Shram portal, with the government actively promoting increased registration to expand coverage.

Question 38 :

Moplahs, or Muslim peasants, created a powerful anti-zamindar movement in:

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Tamil Nadu
2. Bengal
3. Kerala
4. Uttar Pradesh

Solution :

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

The Moplahs, or Muslim peasants, created a powerful anti-zamindar movement in the Malabar region of Kerala, India, during the early 20th century.

This movement, known as the Malabar Rebellion or Moplah Rebellion, took place in 1921 and was characterized by agrarian and anti-feudal sentiments among the Mappila (Moplah) community against the oppressive practices of landlords or zamindars.

Question 39 :

Match the animals in column A with the phylum they belong to in column B
 Column-A Column-B
 i. jelly fish a. Mollusca
 ii. Cray fish b. Mammal
 iii. Whale fish c. Insect
 iv. Devil fish d. Coelenterate

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. i - a, ii - c, iii - b, iv - d
2. i - d, ii - a, iii - b, iv - c
3. i - a, ii - b, iii - c, iv - d
4. i - d, ii - c, iii - b, iv - a

Solution :

The correct answer is **Option 4**, i.e. **i - d, ii - c, iii - b, iv - a**

Jellyfish:-

- These are gelatinous marine animals with umbrella-shaped bells and trailing tentacles. They are members of the

phylum Cnidaria, which also includes corals, sea anemones, and hydras.

- Jellyfish are coelenterates.

Crayfish:-

- It is also known as crawfish, crawdads, mudbugs, or freshwater lobsters, are aquatic crustaceans that live in freshwater habitats such as rivers, streams, lakes, and ponds.
- It belongs to the arthropoda phylum.

Whalefish:-

- They are a family of deep-sea fish that are related to anglerfish and barbeled dragonfish and belongs to mammal.

Devilfish:-

- The devilfish, also known as the giant Pacific octopus, is a cephalopod mollusk native to the northern Pacific Ocean.
- Devil fish belongs to Mollusca.

Question 40 :

Which part of the Constitution of India incorporates the Directive Principles of State Policy?

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. Part IV
2. Part V
3. Part VI
4. Part III

Solution :

The correct answer is **Option 1**, i.e. **Part IV**

- The Directive Principles of State Policy in the Constitution of India are a set of guidelines and principles given to the government to direct its policies and actions. These principles, outlined in Part IV (Article 36 to Article 51) of the Constitution, are not enforceable by the courts but are intended to serve as a moral and ethical guide for governance.

Question 41 :

Imadshahi family was known for the foundation of which state?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Berar
2. Bidar
3. Ahmednagar
4. Golkonda

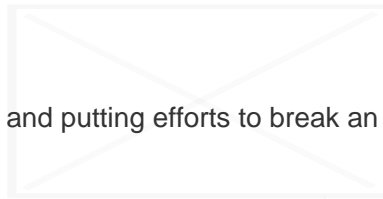
Solution :

The correct answer is **Option 1**, i.e. **Berar**

- The Berar Sultanate, initiated by an Indian Muslim, emerged in 1490 after the fragmentation of the Bahmani Sultanate in the Deccan region. Governed by the Imadshahi family for more than a century, it eventually fell to the Mughal Empire in 1595.

Question 42 :

The activity of making a human pyramid and putting efforts to break an earthen pot filled with buttermilk is associated with which festival?



Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Holi
2. Janmashtami
3. Dushara
4. Mahashivaratri

Solution :

The correct answer is **Option 2**, i.e. **Janmashtami**

- The activity of making a human pyramid and attempting to break an earthen pot filled with buttermilk is associated with the festival of "Janmashtami." Janmashtami celebrates the birth of Lord Krishna, and the tradition of forming human pyramids to reach and break the Dahi Handi (earthen pot filled with buttermilk) is particularly popular in the Indian state of Maharashtra.
- This event is often referred to as "Dahi Handi" or "Govinda," and it symbolizes the playful and mischievous nature of the young Lord Krishna, who was known for stealing butter.

Question 43 :

Who among the following was the author of 'Indica', an account of India under the reign of the Maurya dynasty?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Strabo
2. Pliny
3. Diodorus Siculus
4. Megasthenes

Solution :

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

The author of 'Indica,' an account of India under the reign of the Maurya dynasty, was Megasthenes. Megasthenes was an ancient Greek historian and diplomat who served as an ambassador to the Indian court of King Chandragupta Maurya during the 4th century BCE.

His work 'Indica' provides valuable insights into the political, social, and cultural aspects of India during that period.

Question 44 :

Which is the first integrated steel plant in the public sector in India?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. The Visvesvaraya Iron and Steel Limited
2. Rourkela Steel Plant
3. The Salem Steel Plant
4. Indian Iron and Steel Company

Solution :

The correct answer is **Option 2** i.e. **Rourkela Steel Plant**.

- **Rourkela Steel Plant** is the first integrated steel plant in the public sector in India built with the help of West Germany.
- Visvesvaraya Iron and Steel Plant (VISL) is located in the city of Bhadravathi in Karnataka.
- These plants played a vital role in transforming India into a significant player in the steel sector.

Question 45 :

Kamalini and Nalini Asthana were conferred the Padma Shri in 2022 for which of the following?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. For teaching and propagating Kathak globally
2. For taking Indian cuisine to the world
3. For disaster relief work in Gujarat
4. For specialising in the study of Indian society

Solution :

The correct answer is **Option 1**, i.e. **For teaching and propagating Kathak globally**

- In a special ceremony at Rashtrapati Bhavan, New Delhi, the President of India honored the duo Nalini-Kamalini Asthana, along with R Muthukannammal and Padmaja Reddy, with the prestigious Padma Shri award. Hailing from Agra, Uttar Pradesh, Kamalini Asthana and Nalini Asthana, a sister duo, have gained acclaim for their exceptional performances in the Benaras Gharana style of Kathak.
- Renowned for their significant contributions to popularizing the Benaras Gharana style of Kathak, both within India and internationally, the Asthana sisters have played a crucial role in promoting this art form. In 2022, the Government of India acknowledged their remarkable service in the field of art by conferring upon them the Padma Shri award, which stands as the third highest honor in the Padma series of awards.

Question 46 :

Net Investment plus Depreciation gives an estimate of which of the following?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Gross Domestic Product
2. Personal income
3. Gross investment
4. Private investment

Solution :

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

Net Investment plus Depreciation gives an estimate of **Gross Investment**. Gross Investment represents the total amount spent on acquiring or upgrading physical assets, including both the replacement of depreciated assets and the addition of new ones. It reflects the total investment in the economy, without accounting for the depreciation of existing capital. Net Investment, on the other hand, only includes new additions to the capital stock after accounting for depreciation. Adding depreciation to Net Investment provides the total Gross Investment.

Question 47 :

The first phase of the 'action plan for introduction of the Cheetah in India' witnessed _____ being released in the Kuno National Park of Madhya Pradesh in September 2022.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 10 cheetahs
2. 6 cheetahs
3. 8 cheetahs
4. 12 cheetahs

Solution :

The correct answer is **Option 3**, i.e. **8 cheetahs**

- In September 2022, the inaugural phase of the 'Action Plan for the Introduction of the Cheetah in India' saw the release of 8 cheetahs into Madhya Pradesh's Kuno National Park.
- Originating from Namibia, this event held immense historical importance for India, considering the cheetah's extinction in the country dating back to 1952. The reintroduction, a major conservation initiative, signifies the hope for the cheetahs to flourish within Kuno National Park and eventually reestablish their presence across their historical habitat in India.

Question 48 :

Which of the following states has won the 2022 Santosh Trophy?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Tamil Nadu
2. West Bengal
3. Goa
4. Kerala

Solution :

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

- Kerala emerged victorious in the 2022 Santosh Trophy by securing a remarkable 5-4 win in a penalty shootout against West Bengal during the thrilling final held at the Manjeri Payyanad Stadium in Malappuram, Kerala. This triumph marked Kerala's seventh Santosh Trophy title, adding a memorable chapter to their football history.
- The Santosh Trophy is an annual football competition in India that involves regional teams representing their states and football associations.

Question 49 :

Which of the following statements are correct regarding composition of the State Legislative Council? A. The maximum strength of the Council is fixed at one-third of the total strength of the Assembly. B. The minimum strength of the Council is fixed at 40. C. A total of of the total number of members of a Legislative Council are indirectly elected and members are nominated. D. The nominations (nominated members) made by the Governor can be challenged in the court.

Difficulty : Moderate

Average Time : 72 Seconds

Options :

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

Solution :

The correct answer is **Option 2**, i.e. **A, B and C only**

- The State Legislative Council, commonly known as Vidhan Parishad, serves as the upper house in Indian states with a bicameral state legislature, while the corresponding lower house is the State Legislative Assembly. Currently, six states—Andhra Pradesh, Karnataka, Telangana, Maharashtra, Bihar, and Uttar Pradesh—have a State

Legislative Council.

- The constitution of the State Legislative Council stipulates that its size must not exceed one-third of the total members in the State Legislative Assembly. However, it is mandated that the minimum number of members in the Legislative Council should not be fewer than 40.
- Hence, statements A, B, C are correct.

Question 50 :

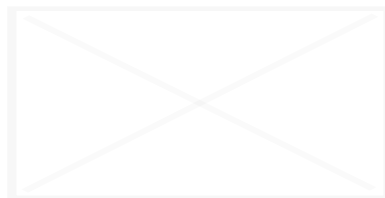
In which of the following Sessions of the IOC Executive Board Meeting was Brisbane voted to host the 2032 Olympics and Paralympics?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 139th Session held in Beijing
2. 138th Session held in Tokyo
3. 137th Session held in Lausanne
4. 140th Session held in India

**Solution :**

The correct answer is **Option 2**, i.e. **138th Session held in Tokyo**

- Brisbane was voted to host the 2032 Olympics and Paralympics during the 138th Session of the International Olympic Committee (IOC) held on July 21, 2021. The decision was made during the IOC Executive Board Meeting held in Tokyo, Japan, ahead of the 2020 Summer Olympics.

Question 51 :

When did Henry Cavendish report the measurement of the gravitational constant with the mass and density of the Earth?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. March 1795
2. June 1798
3. April 1796
4. May 1797

Solution :

The correct answer is **Option 2**, i.e. **June 1798**

Henry Cavendish reported the measurement of the gravitational constant with the mass and density of the Earth in the year 1798. This significant experiment, known as the Cavendish experiment, allowed him to estimate the density of the Earth and determine the gravitational constant, which is a crucial parameter in Newton's law of universal gravitation.

Question 52 :

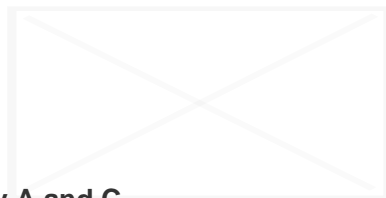
Which of the following have been characteristics of Green Revolution? A. Spurt in crop productivity. B. Shift away from commercial farming to subsistence farming. C. Rise in acreage.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. All - A, B and C
2. Only B and C
3. Only A and C
4. Only A and B

**Solution :**

The correct answer is **Option 3** i.e. **Only A and C**.

The Green Revolution was marked by significant improvements in agricultural productivity, especially in crops like wheat and rice (A). However, it focused on commercial farming rather than subsistence farming, aiming to increase food production for markets (B is incorrect). The revolution also led to an increase in acreage under cultivation due to improved irrigation and the adoption of high-yield variety seeds (C). Overall, it contributed to higher yields, modernization of agriculture, and enhanced food security in India.

Question 53 :

Which of the following awards was received by Pandit Birju Maharaj in 1986?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Padma Shri
2. Sangeet Natak Akademi
3. Padma Vibhushan
4. Padma Bhushan

Solution :

The correct answer is **Option 3**, i.e. **Padma Vibhushan**

- In 1986, Pandit Birju Maharaj was conferred with the prestigious Padma Vibhushan Award. Pandit Birju Maharaj, is the renowned Indian classical dancer and choreographer.
- The Padma Vibhushan is the second-highest civilian award in the Republic of India, presented by the President of India. It is given in recognition of exceptional and distinguished service to the nation in various fields, including art, literature, science, public affairs, and sports.

Question 54 :

If Mohit can complete $\frac{2}{3}$ th of the work in 24 days, then in how many days can $\frac{1}{9}$ th of the work be complete by him?

Difficulty : Moderate

Average Time : 60 Seconds

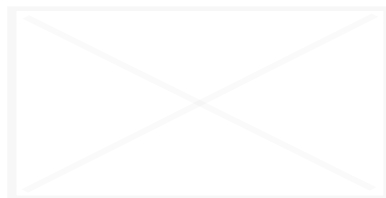
Options :

1. 8

2. 4

3. 6

4. 5



Solution :

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

Given:

Mohit can complete $\frac{2}{3}$ th of the work in 24 days

Calculations:

Let the time taken be x and the efficiency of Mohit be M

$$(M \times 24) / (\frac{2}{3}) = (M \times x) / (\frac{1}{9})$$

$$24 \times \frac{3}{2} = x \times 9$$

$$36 = x \times 9$$

$$x = \frac{36}{9} = 4 \text{ days}$$

Question 55 :

If $(\sqrt{x + \frac{1}{x}}) = 2\sqrt{2}$, and $x > 1$, what is the value of $(\sqrt{x^6 - \frac{1}{x^6}})$?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. $\sqrt{140}$
2. $\sqrt{116}$
3. $\sqrt{144}$
4. $\sqrt{128}$

Solution :

The correct answer is **option 1** i.e. $\sqrt{140}$.

Given that

If $\left(x + \frac{1}{x}\right) = 2\sqrt{2}$, and $x > 1$,

Cubing both sides

$$x^3 + \frac{1}{x^3} + 3\left(x + \frac{1}{x}\right) = 162$$

$$x^3 + \frac{1}{x^3} = 162 - 62 = 102$$

As we know,

$$\left(x - \frac{1}{x}\right)^2 = \left(x + \frac{1}{x}\right)^2 - 4 = 8 - 4 = 4$$

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

Cubing both sides

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

$$x^3 - \frac{1}{x^3} = 8 + 6 = 14$$

Hence, $\left(x^6 - \frac{1}{x^6}\right) = \left(x^3 + \frac{1}{x^3}\right)\left(x^3 - \frac{1}{x^3}\right) = 162 \times 14 = 1402$

Question 56 :

If $\frac{\sin x - \cos x}{\sin x + \cos x} = \frac{2}{5}$, then the value of $\frac{1 + \cot^2 x}{1 - \cot^2 x}$?

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. 2.25
2. 1.45

3.75

4. 5.25

Solution :

The correct answer is **option 2** i.e. **1.45**.

Given that

$$\text{If } \left(\frac{\sin x - \cos x}{\sin x + \cos x} = \frac{2}{5}\right),$$

Calculation

$$\left(\frac{\sin x(1 - \cot x)}{\sin x(1 + \cot x)} = \frac{2}{5}\right)$$

$$\left(\frac{(1 - \cot x)}{(1 + \cot x)} = \frac{2}{5}\right)$$

$$5 - 5 \cot x = 2 + 2 \cot x$$

$$7 \cot x = 3$$

$$\cot x = \frac{3}{7}$$

$$\text{Hence, the value } \left(\frac{1 + \cot^2 x}{1 - \cot^2 x}\right) = \left(\frac{1 + 9/49}{1 - 9/49}\right) = 58/40 = 1.45$$

**Question 57 :**

Study the given pie-chart and answer the question that follows. The pie-chart displays the percentage of fruits sold (in kg) by a fruit seller in one month. If the total fruits sold by a fruit seller in one month was 50,000 kg, find the approximate difference of the quantity (in kg) of Grapes and that of oranges.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 11,480
2. 13,535
3. 21,408
4. 12,4665

Solution :

The correct answer is **option 1** i.e. **11,480**.

Given that

If the total fruits sold by a fruit seller in one month was 50,000 kg

Calculation

The quantity (in kg) of Grapes = $50000 \times 31.07\%$

The quantity (in kg) of orange = $8.11\% \times 50000$

Hence, the required value = $(31.07 - 8.11) \times 50000 = 11480$

Question 58 :

Simplify the given expression. $\frac{432 \times 432 + 247 \times 247 - 432 \times 247}{432 \times 432 + 247 \times 247 - 432 \times 247}$

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. $\frac{1}{259}$

2. $\frac{1}{185}$

3. $\frac{1}{679}$

4. $\frac{1}{450}$



Solution :

The correct answer is **option 3** i.e. $\frac{1}{679}$

Given that

$$\frac{432 \times 432 + 247 \times 247 - 432 \times 247}{432 \times 432 + 247 \times 247 - 432 \times 247}$$

Formula used

$$a^3 + b^3 = (a + b)(a^2 + b^2 - ab)$$

$$\frac{432 \times 432 + 247 \times 247 - 432 \times 247}{(432 + 247)(432 \times 432 + 247 \times 247 - 432 \times 247)}$$

$$\frac{1}{(432 + 247)}$$

$$\frac{1}{679}$$

Question 59 :

Simplify the following. $(3a+b)^2 - (a-3b)^3 + 2b$

Difficulty : Moderate

Average Time : 56 Seconds

Options :

$$\frac{5(a+3b)}{6}$$

2. $\frac{7a+3b}{6}$

3. $\frac{7(a+3b)}{6}$

4. $\frac{a+3b}{6}$

Solution :

The correct answer is **option 3** i.e. $\frac{7(a+3b)}{6}$

Given that

The value $\frac{3a+b}{2} - \frac{a-3b}{3} + 2b$

$$\frac{3a+b}{2} - \frac{a-3b}{3} + 2b$$

$$\frac{9a + 3b - 2a + 6b + 12b}{6}$$

$$(7a + 21b)/6$$

$$\frac{7(a+3b)}{6}$$



Question 60 :

While solving a question, Suhas mistakenly took as dividend a number which was 10% less than the original dividend. He also mistakenly took as divisor a number which was 20% less than the original divisor. If the correct quotient of the original question of division was 24 and the remainder was 0, then what quotient did Suhas obtain, assuming there was no error in his calculations?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 27

2. 21.6

3. 26.4

4. 30

Solution :

The correct answer is **option 1** i.e. **27**.

Given that

Suhas mistakenly took as dividend a number which was 10% less than the original dividend

He also mistakenly took as divisor a number which was 20% less than the original divisor.

Quotient $Q = 24$, Remainder $R = 0$

Formula used

Dividend = Divisor \times Quotient + Remainder

Calculation

Let the original dividend D be 100 units

The correct Dividend = 24 divisor + 0

$D = 24d$

He mistakenly taken dividend $D = 90\% D = 0.9D$

and divisor = 80% $d = 0.8d$

Now, Quotient $Q = 0.9D/0.8d = (9/8) (D/d) = (9/8) \times 24 = 27$

Hence, the required quotient is 27

Question 61 :

On day one, with speed v , R covers a distance x , in t time. On the next day, he covers a distance $2.5x$ in $0.75t$ time. What is his speed the next day?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. $3.5v$
2. $\frac{10}{3}v$
3. $4.5v$
4. $\frac{5}{3}v$

Solution :

The correct answer is **option 2** i.e. $\frac{10}{3}v$.

Given that

On day one, with speed v , R covers a distance x , in t time

On the next day, he covers a distance $2.5x$ in $0.75t$ time

Formula used

Speed = Distance/time

Calculation

On one day, speed $v = x/t$

Now, on next day, speed = $2.5x/0.75t = 10x/3t = (10/3) \times x/t = \frac{10}{3}v$

Question 62 :

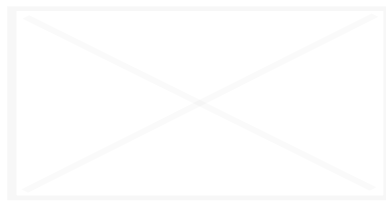
In an 1170 m race, Raman reaches the final point in 65 seconds and Mohan reaches the final point in 90 seconds. By how much distance does Raman beat Mohan?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 325 m
2. 300 m
3. 375 m
4. 350 m



Solution :

The correct answer is **option 1** i.e. **325 m**.

Given that

In an 1170 m race, Raman reaches the final point in 65 seconds

and Mohan reaches the final point in 90 seconds

According to the question

The speed of Mohan = $1170/90 = 13$ m/s

Raman completes the race in 65 seconds

The distance covers by Mohan = $65 \times 13 = 845$ m

Hence, the distance by which Raman beats Mohan = $1170 - 845 = 325$ m

Question 63 :

It takes A and B, 3 and 6 hours, respectively, to complete a certain work. If they work on the alternate hour. How long will it take them to accomplish the task?

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

1. 3 hours
2. 4 hours
3. 2 hours
4. 4.5 hours

Solution :

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

Given:

A and B take 3 and 6 hours to do a work

Concept used:

Work = Efficiency \times time

Calculations:

Total work (LCM of 3 and 6) = 6 units

Efficiency of A = $6/3 = 2$

Efficiency of B = $6/6 = 1$

They work on alternate days,

2 hours = 3 units

4 hours = 6 units

Hence, the required time taken = 4 hours

Question 64 :

Two circles of the same radius 6 cm, intersect each other at P and Q. If PQ = 10cm, then what is the distance between the centers of the two circles?

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

1. 10 cm

2.8 cm

3. 611 cm

4. 211cm

Solution :

The correct answer is **option 4** i.e. **211cm**.

Given that

Two circles of the same radius 6 cm, intersect each other at P and Q.

If PQ = 10 cm

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The radius OP = PK = 6 cm

PS = PQ/2 = 10/2 = 5 cm

In triangle PSO,

$$OS^2 = OP^2 - PS^2$$

$$OS^2 = 36 - 25$$

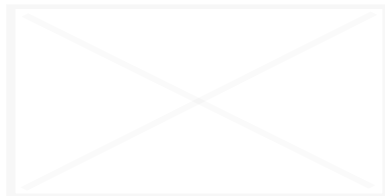
$$OS^2 = 11$$

$$OS = 11 \text{ cm}$$

Similarly, In triangle PSK,

$$SK = OS = 11 \text{ cm}$$

Hence, the distance between centers of circles OK = OS + SK = 11 + 11 = 211 cm

**Question 65 :**

Find the value of $(\sin + \cos)^2 + (\sin - \cos)^2$.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 4

2. 0

3. 2

1

Solution :

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

Given that

the value of $(\sin + \cos)^2 + (\sin - \cos)^2$

Calculation

$$(\sin + \cos)^2 + (\sin - \cos)^2$$

$$\sin^2 + \cos^2 + 2 \sin \cos + \sin^2 + \cos^2 - 2 \sin \cos$$

$$2 (\sin^2 + \cos^2)$$

$$2 \times 1$$

$$2$$

Question 66 :

A grocer claims that he is selling sugar at ₹148/kg, which costs him ₹150/kg, but he is giving 900 g instead of 1000 g. What will be the approximate percentage profit?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 7.5%

2. 5.5%

3. 8.5%

4. 6.7%

Solution :

The correct answer is **option 4** i.e. **6.7%**

Given that

A grocer claims that he is selling sugar at ₹148/kg, which costs him ₹150/kg,

but he is giving 900 g instead of 1000 g

According to the question

The cost of 1000 grams = ₹150

then the cost of 900 grams = $50 \times 900/1000 = ₹145$

The selling price of 900 grams = $48 \times 1000 = ₹148$

Profit = S.P. - C.P. = $48 - 45 = ₹13$

Hence, Profit % = $(\text{Profit}/\text{C.P.}) \times 100 = (3/45) \times 100 = 100/15 = 6.7\%$

Question 67 :

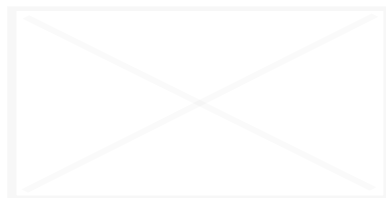
Which of the following numbers is divisible by 36?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 8840
2. 1542
3. 96272
4. 55512



Solution :

The correct answer is **option 4** i.e. **55512**

Given that

The number is divisible by 36

If a number is divisible by 36 then it must be divisible by 4 and 9 as well.

Divisibility test of 4 = Last two digits should be divisible by 4

Divisibility test of 9 = Sum of all digits should be divisible by 9

Calculation

Option 1 : 8840

$40/4$ so it is divisible by 4

$(8 + 8 + 4 + 0) = 20$, is not divisible by 9

Option 2 : 1542

$42/4$ so it is not divisible by 4 that's why it is not divisible by 36

Option 3 : 96272

$72/4$ so it is divisible by 4

$(9 + 6 + 2 + 7 + 2) = 26$ which is not divisible by 9

Option 4 : 55512

$12/4 = 3$ so it is completely divisible by 4

$(5 + 5 + 5 + 1 + 2) = 18$ which is completely divisible by 9

Hence, 55512 is completely divisible by 36

Question 68 :

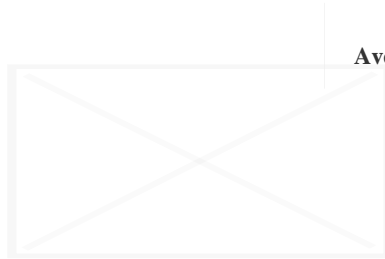
Find the length of the arc of the sector of a circle of diameter 7 cm with a central angle of 108° . [Use $\pi = 22/7$]

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. 6.6 cm
2. 5.6 cm
3. 13.2 cm
4. 11.2 cm



Solution :

The correct answer is **option 1** i.e. **6.6 cm**.

Given that

A circle of diameter $(d) = 7$ cm

Radius $(r) = d/2 = 7/2$ cm

A central angle = 108°

Length of a arc of a circle = $\frac{\theta}{180} \times \pi \times r$,

where r is the radius of the circle and θ (degree) is the angle of the sector.

Calculation

Area of the sector = $(108^\circ/180^\circ) \times (22/7) \times (7/2) = 6.6$ cm

Question 69 :

How much simple interest will ₹16,000 earn in 21 months at 8% per annum?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. ₹1,750
2. ₹1,880
3. ₹1,620
4. ₹1,840

Solution :

The correct answer is **option 4** i.e. ₹1,840

Given that

The principal amount = ₹16,000

Time = 21 months = $21/12$ years

Rate = 8% per annum

Formula used

S.I. = $PRT/100$

where, P = principal, R = rate of interest, T= time

Calculation

S.I. = $6000 \times 8 \times (21/12)/100 = ₹1,840$

Question 70 :

A varies directly as $(B + 18)$ and $A = 108$ when $B = 36$. Find the value of A when $B = 68$.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 75
2. 86
3. 127
4. 172

Solution :

The correct answer is **option 4** i.e. 172.

Given that

$$A \propto (B + 18), A = 108 \text{ when } B = 36$$

According to the question

$$A = k(B + 18)$$

where, k is a constant

$$\text{if } A = 108, B = 36$$

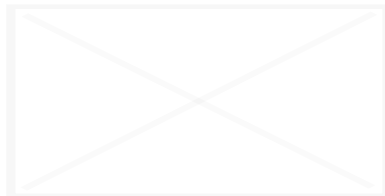
$$\text{Now, } 108 = k(36 + 18)$$

$$k = 108/54 = 2$$

$$\text{Thus, } A = 2(B + 18)$$

$$\text{now, } B = 68$$

$$A = 2(68 + 18) = 2 \times 86 = 172$$

**Question 71 :**

A conical tent has a radius of 7 m and a vertical height of 24 m. How many full bags of rice can be emptied in it if the space occupied by the rice in each bag is 2 m³?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 566
2. 616
3. 716
4. 650

Solution :

The correct answer is **option 2** i.e. **616**.

A conical tent has a radius (r) of 7 m and a vertical height (h) of 24 m

the rice in each bag is 2 m³

Let the number of rice bags be N

The volume of cone = $\frac{1}{3}\pi r^2 h$ cubic units

The volume of the conical tent = $N \times$ volume of each rice bag

$$\frac{1}{3}\pi r^2 h = N \times 2$$

$$\left(\frac{1}{3}\right) \times \left(\frac{22}{7}\right) \times 7 \times 7 \times 24 = 2N$$

$$N = 616$$

Question 72 :

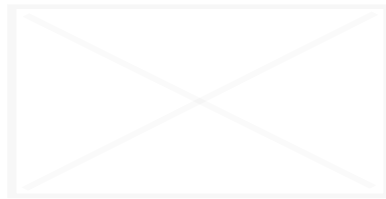
The following figure shows the scores of students in three tests organised by a coaching institution. Whose average score is best?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. D
2. C
3. E
4. B



Solution :

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

Given that

The total marks of the tests for A = $84 + 71 + 95 = 250$

The total marks of the tests for B = $93 + 76 + 101 = 270$

The total marks of the tests for C = $99 + 79 + 71 = 249$

The total marks of the tests for D = $80 + 90 + 94 = 264$

The total marks of the tests for E = $88 + 93 + 90 = 271$

Hence, the average of the marks for E is the maximum.

Question 73 :

A man drives his car for 24 km at a speed of 48 km/h, and for the next 1.5 hours he drives at a speed of 80 km/h. Find his average speed (in km/h) for the entire journey.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 64
2. 72
3. 68
4. 75

Solution :

The correct answer is **option 2** i.e. **72**.

Given that

A man drives his car for 24 km at a speed of 48 km/h

For the next 1.5 hours, he drives at a speed of 80 km/h

Formula used

Distance = Speed × time

Average speed = Total distance/Total time taken

Calculation

Total distance = $24 + 1.5 \times 80 = 24 + 120 = 144$ km

Total time taken = $24/48 + 1.5 = 0.5 + 1.5 = 2$ hours

Hence, average speed = $144/2 = 72$ km/h

Question 74 :

If $(\cos A)^{1-\sin A} + (\cos A)^{1+\sin A} = 4$, then what will be the value of A? ($0^\circ < A < 90^\circ$)

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 90°
2. 45°
3. 60°
4. 30°

Solution :

The correct answer is **option 3** i.e. **60°**

Given that

$$\left(\frac{\cos A}{1 - \sin A} \right) + \left(\frac{\cos A}{1 + \sin A} \right) = 4,$$

$$\left(\frac{\cos A(1 + \sin A) + \cos A(1 - \sin A)}{1 - \sin^2 A} \right) = 4$$

$$\left(\frac{\cos A + \cos A \sin A + \cos A - \cos A \sin A}{\cos^2 A} \right) = 4$$

$$2/\cos A = 4$$

$$\cos A = 1/2 = \cos 60^\circ$$

$$A = 60^\circ$$

Question 75 :

A dealer purchased a washing machine for ₹19,000. He allows a discount of 10% on its marked price and still gains 10%. Find the marked price of the machine.

Difficulty : Moderate



Average Time : 56 Seconds

Options :

1. ₹111,000
2. ₹112,000
3. ₹113,000
4. ₹110,000

Solution :

The correct answer is **option 1** i.e. **₹111,000**

Given that

The cost price of a washing machine = ₹19,000

Discount D = 10%

The profit % = 10%

$$M.P./C.P = (100 + P)/(100 - D)$$

$$M.P./9000 = 110/90$$

$$M.P. = ₹111000$$

Question 76 :

Select the grammatically correct sentence.

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. The rider who met with a accident was not wearing a helmet, the police said
2. The rider who met with an accident was not wearing an heirnet, the police said.
3. A rider who met with the accident was not wearing the helmet, an police said.
4. The rider who met with the accident was not wearing a helmet, the police said.

Solution :

The correct answer is **option 4** i.e. **The rider who met with the accident was not wearing a helmet, the police said.**

- This sentence is correctly structured with proper punctuation. It clearly conveys the information that the police stated about the rider who was involved in the accident and was not wearing a helmet.

The grammatically correct sentence is: "**The rider who met with the accident was not wearing a helmet, the police said.**"

Question 77 :

Select the most appropriate meaning of the given idiom. Gift of the gab

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Fluency of speech
2. Freedom of speech
3. First speech
4. Figures of speech

Solution :

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

"**Gift of the gab**" refers to the ability to speak eloquently, persuasively, and with fluency.

So, "**fluency of speech**" is the most appropriate meaning for this idiom.

It implies that someone has a natural talent for speaking effectively and convincingly.

Question 78 :

Select the correct homonym to fill in the blank in the given sentence. I will just _____ some figures for comparison.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. cete
2. cite
3. site
4. sight

Solution :

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

- The sentence indicates that the speaker will mention or refer to some figures for comparison.
- The word "**cite**" means to quote or refer to something as evidence or justification, which fits the context of the sentence.
- Therefore, the correct option is "cite."

Question 79 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error³. "Do you want to join us for lunch?" / "I'm sorry/ my physics class will start at 1 p.m./ and doesn't finish till 3 p.m."

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. my physics class will start at 1 p.m.
2. I'm sorry
3. and doesn't finish till 3 p.m.
4. Do you want to join us for lunch?

Solution :

The correct answer is **option 1** i.e. **my physics class will start at 1 p.m.**

- The segment containing the grammatical error is:
"**my physics class will start at 1 p.m.**"
- The error is in the verb tense.

It should be "**starts**" instead of "**will start**" to maintain parallelism with the subsequent verb "**doesn't finish.**"

- So, the corrected segment would be: "my physics class starts at 1 p.m."

Question 80 :

Select the most appropriate synonym of the given word. Tedious

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Tiresome
2. Wholesome
3. Repetitive
4. Threescore

Solution :

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

"**Tiresome**" is the most appropriate synonym for "**tedious.**"

Both words convey the idea of being boring, monotonous, or repetitive, causing feelings of weariness or frustration.

So, "**tiresome**" is a suitable synonym for "**tedious.**"

Question 81 :

Select the most appropriate ANTONYM of the underlined word in the given sentence. He just needs to calm down a wee bit.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. understand
2. agitate
3. question
4. dissipate

Solution :

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

The most appropriate antonym of "calm down" in the given sentence is indeed "agitate."

While "**calm down**" means to be peaceful or relaxed, "**agitate**" means to disturb or upset.

Question 82 :

Select the most appropriate synonym of the word given in brackets to fill in the blank. He is very _____(Eager) to join the Air Force.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. irksome
2. keen
3. dubious
4. unconcerned

Solution :

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

- Both "**eager**" and "**keen**" suggest a strong desire or enthusiasm for something.
- In this sentence, "keen" effectively communicates the idea that he is very enthusiastic and eager to join the Air Force.
- So, "**keen**" is the suitable synonym for "**eager**" in this context.

Question 83 :

Select the most appropriate synonym of the underlined word. The benevolent gesture of the rich merchant was appreciated by all.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Generous
2. Sombre
3. Numb
4. Sober

Solution :

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

"**Benevolent**" refers to showing kindness and goodwill, often in the form of charitable or philanthropic actions.

Similarly, "**generous**" also conveys the idea of being willing to give or share, especially in a way that demonstrates kindness and goodwill toward others.

Therefore, "generous" is a suitable synonym for "benevolent" in this sentence.

Question 84 :

Select the option that expresses the given sentence in passive voice. The company is launching a new product next month.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. The new product will be launched by the company next month.
2. A new product is being launched by the company next month.
3. The launching of a new product by the company is next month.
4. Next month, the company will launch a new product.

Solution :

The correct answer is **option 2** i.e. **A new product is being launched by the company next month.**

- In the passive voice, the object of the active sentence ("a new product") becomes the subject, and the subject of the active sentence ("the company") becomes the agent with the preposition "by."
- This restructuring maintains the same meaning while shifting the focus from the doer of the action to the action itself.

Question 85 :

Select the most appropriate meaning of the given idiom. Get into a scrape

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Creating a problem
2. Solving a problem
3. Explaining a problem
4. Involved in a problem

Solution :

The correct answer is **option 4** i.e. **Involved in a problem.**

"**Get into a scrape**" means to become involved in a difficult or troublesome situation.

So, "**involved in a problem**" is the most appropriate meaning for this idiom.

Question 86 :

Select the option that can be used as a one-word substitute for the given group of words. A person who betrays his own country.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Mascot
2. Traitor
3. Icon
4. Paragon

Solution :

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

A **traitor** is someone who betrays their country by acting against it, usually by aiding its enemies or attempting to overthrow its government.

So, "traitor" accurately captures the meaning of the described individual.

Question 87 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Devide
2. Provide
3. Subside
4. Confide

Solution :

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

The correct spelling is "DIVIDE."

It means:

to separate into two or more parts, areas, or groups.

to separate into classes, categories, or divisions.

Question 88 :

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. But at the same time, this is also true that when one reads a few works of the same genre, one naturally comes to know a rough structure of that genre. B. The essence of suspense is whether the reader will be able to gauge the criminal before the detective tells who he is. C. This leads to a different kind of approach to understanding literature in general and detective fiction in particular. D. It is found that when one knows a genre and its structure and rules, It may often not make us enjoy a piece of literary work in the same manner as one usually does.

Difficulty : Difficult

Average Time : 72 Seconds

Options :

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



Solution :

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

The paragraph starts by discussing the impact of knowing the structure and rules of a genre on the enjoyment of literary work (**sentence D**).

Then, it discusses how reading multiple works of the same genre leads to an understanding of its structure (**sentence A**).

Then followed by how this understanding affects the approach to understanding literature, especially detective fiction (**sentence C**).

And ends with a statement about the essence of suspense in detective fiction (**sentence B**).

Question 89 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. In today's digital age, information is widely available to everyone by many means of media such as television, newspapers, films, and social media.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. with quite enough of mechanisms
2. through any strategies
3. via various forms
4. among many techniques

Solution :

The correct answer is **option 3** i.e. **via various forms**.

Via various forms is grammatically correct. "**Via**" means "through the medium of" and **various forms** refer to **different types**.

This clearly and concisely conveys the idea of different media channels. It is a natural and accurate way to describe the diversity of media.

Question 90 :

Select the INCORRECTLY spelt word.



Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Bonafide
2. Cultural
3. Solusion
4. Trustworthy

Solution :

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

The correct spelling is "Solution."

SOLUTION is an action or process of solving a problem.

Question 91 :

Describe how you will tell your friends that someone has picked Suman's pocket in passive voice.

Difficulty : Moderate

Average Time : 39 Seconds

Options :

Someone has being picked Suman's pocket.

2. Suman's pocket had picked.
3. Suman's pocket been picked.
4. Suman's pocket has been picked.

Solution :

The correct answer is **option 4** i.e. **Suman's pocket has been picked.**

- In passive voice, the sentence should indicate that Suman's pocket was picked by someone without mentioning the specific person.
- A clearer and grammatically correct passive voice construction could be:
"Suman's pocket has been picked."

Question 92 :

Select the most appropriate option to fill in the blank. 'Habitual' may be replaced by '_____'.


Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Stagnant
2. Continual
3. Temperate
4. Holistic

Solution :

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

Both "**habitual**" and "**continual**" imply something that occurs repeatedly or regularly.

"**Habitual**" refers to actions or behaviours that are done by habit or as a matter of routine, while "**continual**" refers to something that happens frequently and without interruption over a period of time.

Question 93 :

Select the most appropriate option to fill in the blank. The match schedule was disturbed due to _____ rains.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

detestable

2. incessant

3. venerable

4. soothing

Solution :

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

"**Incessant**" means continuing without interruption, often used to describe rainfall that doesn't stop.

In the context of the sentence, "**incessant rains**" implies that the rainfall was continuous and prolonged, leading to the disturbance of the match schedule.

Question 94 :

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. it could possibly lead to serious injuries, hence a mate for N' Pongo became inevitable. B. Within the span of one year, N' Pongo grew double the size and the need to obtain a mate for him arose, for it became unsafe for the humans around, C. Every afternoon he was brought out onto the lawn to show off his skills in front of his admirers. D. Owing to his attractive appearance and disposition, good manners and a well- developed sense of humour, N' Pongo soon became the darling of the zoo.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. DCBA

2. DABC

3. CDAB

4. BDAC

Solution :

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

The paragraph starts by describing N' Pongo's popularity at the zoo (**sentence D**), then mentions his daily routine of showcasing his skills (**sentence C**), followed by the need to find a mate for him due to his growth and potential danger (**sentence B**), and concludes with the necessity of obtaining a mate to prevent serious injuries (**sentence A**).

Question 95 :

Select the option that can be used as a one-word substitute for the given group of words. The study of evolution of

mankind

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Biology
2. Anitology
3. Anthropology
4. Psychology

Solution :

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

Anthropology is the study of human societies, cultures, and their development, including the evolution of humans over time.

So, "**anthropology**" accurately represents the study of the evolution of mankind.

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. This book (1)_____ writing practice to pre-schoolers to help them learn to write (2) _____ of the English alphabet. Directional arrows, (3)_____ with the letters and numbers, guide children in writing. (4). _____ and copying activities encourage children to read and write letters and numbers (5)_____ to count.

Question 96 :

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

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. provides
2. provide
3. is providing
4. had provided

Solution :

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

"**Provides**" is the most suitable verb in this context, indicating the action of giving or offering writing practice.

Therefore, the sentence would read: "**This book provides writing practice to pre-schoolers to help them learn to write.**"

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. This book (1)_____ writing practice to pre-schoolers to help them learn to write (2) _____ of the English alphabet. Directional arrows, (3)_____ with the letters and numbers, guide children in writing. (4). _____ and copying activities encourage children to read and write letters and numbers (5)_____ to count.

Question 97 :

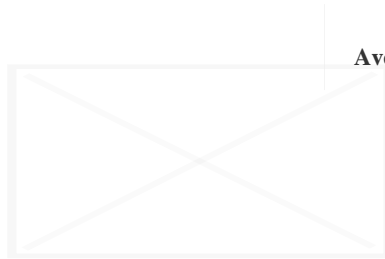
Select the most appropriate option to fill in blank no. 2.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. letter
2. letters
3. phrases
4. words



Solution :

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

The blank should be filled with "letters" to indicate what the children are learning to write.

So, the sentence would read: "**This book provides writing practice to pre-schoolers to help them learn to write letters of the English alphabet.**"

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. This book (1)_____ writing practice to pre-schoolers to help them learn to write (2) _____ of the English alphabet. Directional arrows, (3)_____ with the letters and numbers, guide children in writing. (4). _____ and copying activities encourage children to read and write letters and numbers (5)_____ to count.

Question 98 :

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

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. given
2. giving
3. give
4. gave

Solution :

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

The context indicates that directional arrows are associated with the letters and numbers to guide children in writing.

Therefore, the word that fits logically in the blank is "given," as it suggests that the directional arrows are provided or presented along with the letters and numbers.

So, the sentence would read: "**Directional arrows, given with the letters and numbers, guide children in writing.**"

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. This book (1)_____ writing practice to pre-schoolers to help them learn to write (2) _____ of the English alphabet. Directional arrows, (3)_____ with the letters and numbers, guide children in writing. (4). _____ and copying activities encourage children to read and write letters and numbers (5)_____ to count.

Question 99 :

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

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Traced
2. Being traced
3. Tracing
4. Trace

Solution :

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

The context suggests that the book involves activities that encourage children to read and write letters and numbers.

One common activity for this purpose is "tracing," where children follow the outlines of letters or numbers to practice forming them.

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. This book (1)_____ writing practice to pre-schoolers to help them learn to write (2) _____ of the English alphabet. Directional arrows, (3)_____ with the letters and numbers, guide children in writing. (4). _____ and copying activities encourage children to read and write letters and numbers (5)_____ to count.

Question 100 :

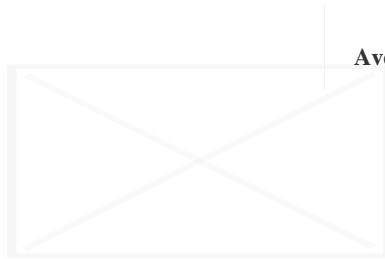
Select the most appropriate option to fill in blank no. 5.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. as well as
2. but
3. for
4. Yot



Solution :

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

The context suggests that the activities in the book encourage children not only to read but also to write letters and numbers.

The phrase "**as well as**" is used to indicate this additional aspect or action.

So, the sentence would read: "**Tracing and copying activities encourage children to read and write letters and numbers as well as to count.**"

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. 99 questions were moderate and 1 questions were hard.

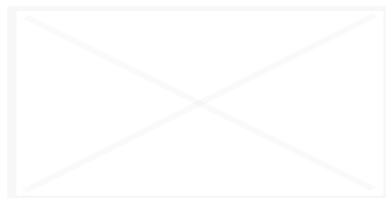
The safe score is 140 marks.

3. , 25 questions were asked from General Awareness, 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning and 25 questions were asked from English Language
4. 13 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

General Awareness

1. History - 2
2. Polity - 1
3. Economics - 1
4. Science - 1
5. Geography - 3
6. GK Misc - 8
7. Current Affairs - 6
8. Law & Constitution - 1
9. Art And Culture - 2



Quantitative Aptitude

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

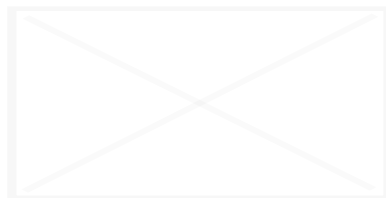
Logical Reasoning

1. Coding Decoding - 2

- Arrangement And Pattern - 1
- 3. Analogy - 6
- 4. Classification - 2
- 5. Blood Relation - 1
- 6. Venn Diagrams - 2
- 7. Paper Folding And Cutting - 1
- 8. Mirrors And Water Reflection - 1
- 9. Series - 3
- 10. Mathematical Reasoning - 2
- 11. Embedded Figure - 1
- 12. Image Series - 2
- 13. Seating Arrangement And Puzzle - 1

English Language

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



Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks

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

and move to the next question.

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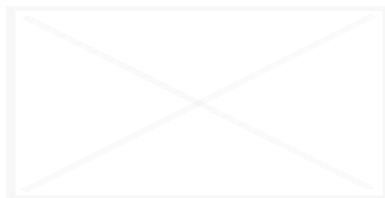
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About Neetu Mam

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