

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 :

If $\sin x = \left(\frac{3}{10}\right)$ then what is the value of $\tan x + \cot x = ?$

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. $\frac{100}{3\sqrt{91}}$
2. $\frac{100}{2\sqrt{83}}$
3. $\frac{100}{7\sqrt{95}}$
4. $\frac{100}{3\sqrt{85}}$

Solution :

The correct answer is **Option 1** i.e. $\frac{100}{3\sqrt{91}}$.

$$\sin x = \left(\frac{3}{10}\right) = P/H$$

By Pythagoras theorem

$$H^2 = B^2 + P^2$$

$$10^2 = B^2 + 3^2$$

$$B^2 = 100 - 9$$

$$B^2 = 91$$

$$B = \sqrt{91}$$

The value of $\tan x + \cot x = \frac{3}{\sqrt{91}} + \frac{\sqrt{91}}{3} = \frac{(9 + 91)}{3\sqrt{91}} = \frac{100}{3\sqrt{91}}$

Question 2 :

A and B can individually complete a piece of work in 18 days and 30 days, respectively. A and B started working together, but A left $16\frac{2}{3}$ days before the work is completed and B alone completed the rest of the work. For how many days did A work?

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. 4

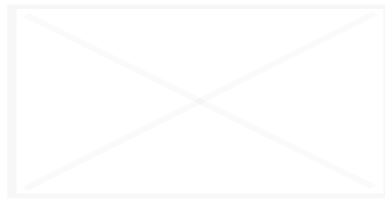
2. 5

3. 6

4. 3

Solution :

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

Calculations:

A and B can individually complete a piece of work in 18 days and 30 days, respectively

Total work (L.C.M of 18 and 30) = 90 units

The efficiency of A = $90/18 = 5$

The efficiency of B = $90/30 = 3$

Work done by B = $50/3 \times 3 = 50$ units

Remaining work = $90 - 50 = 40$ units

These 40 units of work is done by both A and B

Time taken = $40/(5 + 3) = 40/8 = 5$ days

Question 3 :

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 their constituent digits. E.g. 13 - Operations on 13 such as adding /Subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (12, 4, 64) (8, 6,14)

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. (7, 3, 28)
2. (10, 6, 42)
3. (11, 9, 15)
4. (9, 5, 28)

Solution :

The correct answer is **option 4** i.e. **(9, 5, 28)**.

Logic used : $\{(First\ number)^2 - (Second\ Number)^2\} \div 2 = Third\ Number$

(12, 4, 64)

$$\{(12)^2 - (4)^2\} \div 2 = (144 - 16) \div 2 = 128 \div 2 = 64$$

(8, 6, 14)

$$\{(8)^2 - (6)^2\} \div 2 = (64 - 36) \div 2 = 28 \div 2 = 14$$

Similarly, Option 4 Follows a similar pattern

(9, 5, 28)

$$\{(9)^2 - (5)^2\} \div 2 = (81 - 25) \div 2 = 56 \div 2 = 28$$

Hence, the correct answer is **(9, 5, 28)**.

Question 4 :

Select the set in which the numbers are related in the same way as are the numbers of the given 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). (14, 10, 296) (8, 17, 353)

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. (29, 7, 690)
2. (18, 6, 576)
3. (5, 13, 194)
4. (12, 3, 135)

Solution :

The correct answer is **option 3** i.e. **(5, 13, 194)**.

Logic used : (First Number)² + (Second Number)²= Third number

(14, 10, 296)

$$(14)^2 + (10)^2 = 196 + 100 = 296$$

(8, 17, 353)

$$(8)^2 + (17)^2 = 64 + 289 = 353$$

Similarly, **Option 3** follows the same pattern

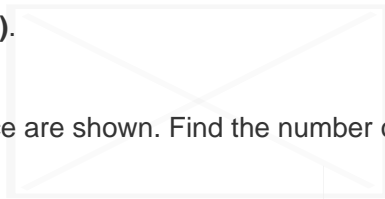
(5, 13, 194)

$$(5)^2 + (13)^2 = 25 + 169 = 194$$

Hence, the correct answer is **(5, 13, 194)**.

Question 5 :

Three different positions of the same dice are shown. Find the number on the face opposite the face showing '6'.



Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 1

2. 4

3. 3

4. 2

Solution :

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

From the first and third positions of the dice, we can see that 5, 1, 2, and 3 are on the adjacent sides of the '6'. So, the only number left is 4.

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

Question 6 :

Which of the following numbers will replace the question mark (?) in the given series? 18, 23, ?, 41, 54, 71

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. 29
2. 30
3. 32
4. 34

Solution :

The correct answer is **option 2** i.e. **30**.

Given sequence: 18, 23, ?, 41, 54, 71

Logic: Prime Numbers are added

$$18 + 5 = 23$$

$$23 + 7 = 30$$

$$30 + 11 = 41$$

$$41 + 13 = 54$$

$$54 + 17 = 71$$

Hence, the correct answer is **30**.

**Question 7 :**

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

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. [b-hrq-54477720240519013018.png](#)
2. [b-hrq-54477720240519013023.png](#)
3. [b-hrq-54477720240519013033.png](#)
4. [b-hrq-54477720240519013039.png](#)

Solution :

The correct answer is **option 2** i.e. [b-hrq-54477720240519013023.png](#).

The figure embedded is :

[ans-hrq-54477720240519013044.png](#)

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

Question 8 :

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. RAT : IZG :: YUM : BFN :: SIP : ?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. GJK
2. GRK
3. HRK
4. HJK

Solution :

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

Logic used : Reverse of Alphabetic position

RAT : IZG

R I

A Z

T G

YUM : BFN

Y B

U F

M N

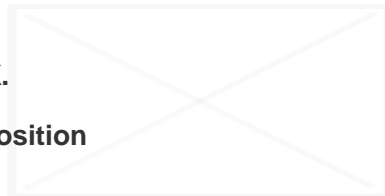
Similarly,

SIP : ?

S H

I R

P K



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

Question 9 :

In a certain code language, 'BARBIE' is written as '222', 'ELSA' is written as '148'. How will 'ARIEL' be written in that language?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 325
2. 225
3. 420
4. 125

Solution :

The correct answer is **option 2** i.e. **225**.

Logic used : Sum of letters in the word × Number of letters

'BARBIE' is written as '222'

$$\text{BARBIE} = (2 + 1 + 18 + 2 + 9 + 5) \times 6 = 37 \times 6 = 222$$

'ELSA' is written as '148'

$$\text{ELSA} = (5 + 12 + 19 + 1) \times 4 = 37 \times 4 = 148$$

Similarly, 'ARIEL'

$$\text{ARIEL} = (1 + 18 + 9 + 5 + 12) \times 5 = 45 \times 5 = 225$$

Hence, the correct answer is **225**.



Question 10 :

Select the Venn diagram that best illustrates the relationship between the following classes. Cricket, Athlete, Sport

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1.  a-hq-54478020240519013101.png
2.  b-hq-54478020240519013108.png

c-hrq-54478020240519013114png

4. d-hrq-54478020240519013120png

Solution :

The correct answer is **option 3** i.e. c-hrq-54478020240519013114png

The Venn diagram that represent a relationship between given elements is:

ans-hrq-54478020240519013131png

Cricket is a type of sport and an athlete is a person who plays a sport.

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

Question 11 :

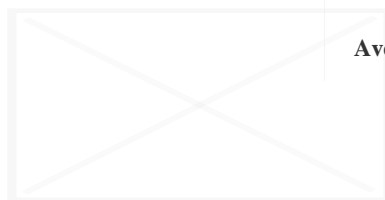
Which of the following interchanges of signs would make the given equation correct? $173 \div 169 + 13 \times 5 - 13 = 225$

Difficulty : Moderate

Average Time : 69 Seconds

Options :

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



Solution :

The correct answer is **option 3** i.e. \div and +.

Given series: $173 \div 169 + 13 \times 5 - 13 = 225$

This equation becomes true only when we put the set of signs given in option 3.

After interchanging \div and + the equation:

$$173 + (169 \div 13) \times 5 - 13 = 225$$

$$173 + (13 \times 5) - 13 = 225$$

$$(173 + 65) - 13 = 225$$

$$238 - 13 = 225$$

$$225 = 225$$

Therefore, Equation is satisfied.

Hence, the correct answer is \div and $+$.

Question 12 :

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

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 80 : 9
2. 142 : 12
3. 23 : 5
4. 7 : 3

Solution :

The correct answer is **option 1** i.e. **80 : 9**.

Logic used : (Second Number)² - 2 = First number

142 : 12

$$(12)^2 - 2 = 144 - 2 = 142$$

23 : 5

$$(5)^2 - 2 = 25 - 2 = 23$$

7 : 3

$$(3)^2 - 2 = 9 - 2 = 7$$

Except for Option 1

80 : 9

$$(9)^2 - 2 = 81 - 2 = 79 \text{ not equal to } 80$$

Hence, the correct answer is **80 : 9**.

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. DELIGHT : UJMQKK :: PLIGHT : UJMQV ::

CREATE : ?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. FUBFSD
2. ETAERC
3. FVDIRC
4. FVDIWI

Solution :

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

The Logic followed in given pairs: First reverse the letters

DELIGHT : THGILED

T + 1 = U

H + 2 = J

G + 3 = J

I + 4 = M

L + 5 = Q

E + 6 = K

D + 7 = K

PLIGHT : THGILP

T + 1 = U

H + 2 = J

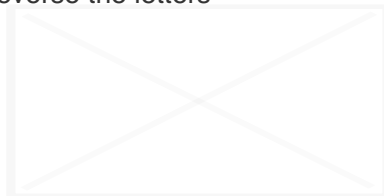
G + 3 = J

I + 4 = M

L + 5 = Q

P + 6 = V

Similarly,



CREATE : ETAERC

E + 1 = F

T + 2 = V

A + 3 = D

E + 4 = I

R + 5 = W

C + 6 = I

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

Question 14 :

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

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. urgent diaram03-07-2024d3020240703125116
2. urgent diaram03-07-2024d3120240703125134
3. urgent diaram03-07-2024d3220240703125143
4. urgent diaram03-07-2024d3320240703125153

Solution :

The correct answer is **option 1** i.e. urgent diaram03-07-2024d3020240703125116

Here the sequence followed in the series is the arrow is facing in the downward direction the curve inside is filled with black and when it is facing in the upward direction then the curve is not filled.

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

Question 15 :

Complete the series.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. fridmahu28-06-24d12020240628131409

f1qidmadhu28-06-24d1 2120240628131420

3. f1qidmadhu28-06-24d1 2220240628131429

4. f1qidmadhu28-06-24d1 2320240628131458

Solution :

The correct answer is **option 2** i.e. f1qidmadhu28-06-24d1 2120240628131420

f1qidmadhu28-06-24d1 3320240628131643

1. In step 1, the bottom left and top right interchange their positions diagonally, and the top left and center element interchange positions. A new letter has come at the bottom right corner.

2. In step 2, the bottom right and top left interchange their position diagonally. The top right and center element interchange their positions. A new shape has come at the bottom left corner.

3. Step 1 and step 2 are used in the series alternatively.

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

Question 16 :

Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1. Dissolve 2. Display 3. Distance 4. Disturb 5. Displace 6. Dispute

Difficulty : Moderate

Average Time : 91 Seconds

Options :

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

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

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

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

Solution :

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

The order of words as they would appear in dictionary alphabetical wise is as follows :

5. **Displace**

2. **Display**

6. **Dispute**

1. Dissolve
3. Distance
4. Disturb

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

Question 17 :

'A + B' means 'A is the son of B'. 'A - B' means 'A is the wife of B'. 'A × B' means 'A is the father of B'. 'A ÷ B' means 'A is the sister of B'. If $A + P - Q \times R - S$, then which of the following statements is NOT correct?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. A is the brother of wife of S.
2. P is the mother of A.
3. Q is the father of A.
4. A is the son of S.



Solution :

The correct answer is **option 4** i.e. **A is the son of S**.

Given sequence : $A + P - Q \times R - S$ which represents

A is the son of the P , P is the wife of Q , Q is the father R , R is the wife of S.

The family tree is as follows:

<https://www.kd-live.com/54478720240519013213.png>

Option 4 does fit into the family tree

Hence, the correct answer is **A is the son of S**.

Question 18 :

Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster. SAME : WDOF :: LIFE : PLHF :: GOAL : ?

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. KRCM

KRBM

3. KSCM

4. JRCM

Solution :

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

Logic used:

First letter + 4, Second letter + 3, Third letter + 2, Fourth letter + 1

SAME : WDOF

$$S + 4 = W$$

$$A + 3 = D$$

$$M + 2 = O$$

$$E + 1 = F$$

LIFE : PLHF

$$L + 4 = P$$

$$I + 3 = L$$

$$F + 2 = H$$

$$E + 1 = F$$

Similarly,

GOAL : ?

$$G + 4 = K$$

$$O + 3 = R$$

$$A + 2 = C$$

$$L + 1 = M$$

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

Question 19 :

Which of the following letter-clusters will replace the question mark (?) in the given series? LCAZ, NECX, PGEV, ?, TKIR

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. QHFV
2. SJHS
3. RIGT
4. TKHS

Solution :

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

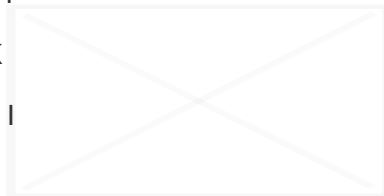
Given series: LCAZ, NECX, PGEV, ?, TKIR

$L + 2 = N$, $N + 2 = P$, $P + 2 = R$, $R + 2 = T$

$C + 2 = E$, $E + 2 = G$, $G + 2 = I$, $I + 2 = K$

$A + 2 = C$, $C + 2 = E$, $E + 2 = G$, $G + 2 = I$

$Z - 2 = X$, $X - 2 = V$, $V - 2 = T$, $T - 2 = R$



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

Question 20 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation, $11 * 13 * 238 * 17 * 34 = 123$

Difficulty : Moderate

Average Time : 52 Seconds

Options :

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

Solution :

The correct answer is **option 2** i.e. $\times + \div -$.

Putting signs of option 2

Given: $11 * 13 * 238 * 17 * 34 = 123$

$11 \times 13 + (238 \div 17) - 34 = 123$

$(11 \times 13) + 14 - 34 = 123$

$(143 + 14) - 34 = 123$

$157 - 34 = 123$

$123 = 123$

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

Question 21 :

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

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. IOYALVM
2. IYOMALV
3. IOYAMLV
4. IYOMAVL



Solution :

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

The sequence is – I O Y A M L V

Given sequence: M A L _ V Y _ M A L I V _ O M _ L I V Y O _ A _ I _ Y O

Option 3: I O Y A M L V

M A L I V Y O / M A L I V Y O / M A L I V Y O / M A L I V Y O

Option 3 forms a particular pattern.

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

Question 22 :

In a certain code language, if 'FILM' is written as '9121516' and 'EAST' is written as '842223', how will 'HOME' be written in the same code language?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 1216157

2. 1118168

3. 1218167

4. 1017178

Solution :

The correct answer is **option 2** i.e. **1118168**.

Logic used : Letter(Alphabetic Position) + 3

'FILM' is written as '9121516'

$$F + 3 = 6 + 3 = 9$$

$$I + 3 = 9 + 3 = 12$$

$$L + 3 = 12 + 3 = 15$$

$$M + 3 = 13 + 3 = 16$$

'EAST' is written as '842223'

$$E + 3 = 5 + 3 = 8$$

$$A + 3 = 1 + 3 = 4$$

$$S + 3 = 19 + 3 = 22$$

$$T + 3 = 20 + 3 = 23$$

Similarly,

'HOME' be written

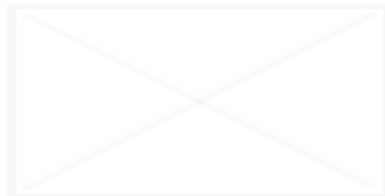
$$H + 3 = 8 + 3 = 11$$

$$O + 3 = 15 + 3 = 18$$

$$M + 3 = 13 + 3 = 16$$

$$E + 3 = 5 + 3 = 8$$

Hence, the correct answer is **1118168**.



Question 23 :





Which of the answer figures is the exact mirror image of the given problem figure when the mirror is held at the right side?

Problem figure:

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1.  a-hrq-54479520240519013234.png
2.  b-hrq-54479520240519013239.png
3.  c-hrq-54479520240519013252.png
4.  d-hrq-54479520240519013258.png

Solution :

The correct answer is **option 3** i.e. c-hrq-54479520240519013252.png

The mirror image of the question figure is shown below:

 a-hrq-54479520240519013307.png

Since the mirror is placed on the right side of the question figure, the left side of the original image will now be the right side of the mirror image and vice versa.

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





Question 24 :

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

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1.  a-hrq-54479620240519013327.png
2.  b-hrq-54479620240519013333.png
3.  c-hrq-54479620240519013339.png
4.  d-hrq-54479620240519013348.png

Solution :

The correct answer is **option 3** i.e. c-hrq-54479620240519013339.png

The mirror image of the question figure is shown below:  a-hrq-54479620240519013354.png

Since the mirror is placed below the question figure, the bottom side of the original image will now be the top side of the mirror image and vice versa.

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

Question 25 :

Select the set in which the numbers are related in the same way as the numbers of the given 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.) (14, 60, 16) (12, 40, 8)

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. (19, 80, 21)
2. (15, 45, 30)
3. (25, 120, 15)
4. (20, 30, 40)



Solution :

The correct answer is **option 1** i.e. **(19, 80, 21)**.

Here the logic used : (First Number + Third Number) × 2= Second Number

(14, 60, 16)

$$(14 + 16) \times 2 = 30 \times 2 = 60$$

(12, 40, 8)

$$(12 + 8) \times 2 = 20 \times 2 = 40$$

Similarly,

(19, 80, 21)

$$(19 + 21) \times 2 = 40 \times 2 = 80$$

Hence, the correct answer is **(19, 80, 21)**.

Question 26 :

Select the Venn diagram that best illustrates the relationship between the following classes. Football fans, Cricket fans, Doctors

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

1. a-hrq-54479820240519013408png
2. b-hrq-54479820240519013418png
3. c-hrq-54479820240519013424png
4. d-hrq-54479820240519013429png

Solution :

The correct answer is **option 1** i.e. a-hrq-54479820240519013408png

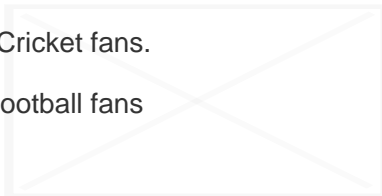
ans-hrq-54479820240519013435png

Football fans can be a Doctors as well as Cricket fans.

Doctors can be Football fans as well as Cricket fans.

Cricket fans can be Doctors as well as Football fans

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

**Question 27 :**

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 15 3 252 11 5 246 9 6 ? (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).

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

1. 277
2. 299
3. 279
4. 297

Solution :

The correct answer is **option 4** i.e. 297.

Logic here used : (First Number)² + (Second Number)³ = Third Number

First row: 15, 3, 252

$$(15)^2 + (3)^3 = 225 + 27 = 252$$

Second row: 11, 5, 246

$$(11)^2 + (5)^3 = 121 + 125 = 246$$

Similarly ,

Third row: 9, 6, ?

$$(9)^2 + (6)^3 = 81 + 216 = \mathbf{297}$$

Hence, the correct answer is **297**.

Question 28 :

According to the Indian calendar, Hemanta season falls in which months?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Sravana-Bhadra
2. Chaitra-Vaisakha
3. Jyaistha-Asadha
4. Margashirsa-Pausa

Solution :

The correct answer is **option 4** i.e. **Margashirsa-Pausa**

- In the Indian calendar system, Hemanta ritu, or the pre-winter season, typically falls during the Margashirsha (also spelled Margashira) and Pausa months.
- These months generally correspond to late November to late December in the Gregorian calendar.

Question 29 :

Which of the following has the highest boiling point?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Alkenes

Alkanes

3. Free carbon dioxide

4. Alkynes

Solution :

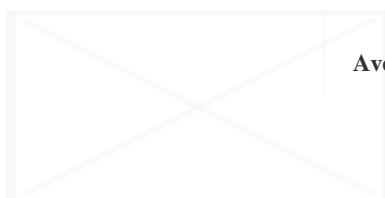
The correct answer is **option 4** i.e. **Alkynes**

- Alkynes have the highest boiling point among the given options due to their strong intermolecular forces of attraction.
- Alkynes have triple bonds between carbon atoms, which results in a linear shape and close packing of molecules, leading to strong van der Waals forces.

Question 30 :

When was the National Urban Health Mission approved by the Government of India?

Difficulty : Moderate



Average Time : 45 Seconds

Options :

1. 2014

2. 2015

3. 2012

4. 2013

Solution :

The correct answer is **option 4** i.e. **2013**

- The National Urban Health Mission (NUHM) was approved by the Government of India on May 1, 2013.
- It was launched as a sub-mission under the overarching National Health Mission (NHM) with the aim of improving the health status of the urban population, particularly the urban poor and other vulnerable sections, by facilitating equitable access to quality healthcare services.

Question 31 :

According to Census of India 2011, which group of states of India has the highest population?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Uttar Pradesh and Maharashtra

Arunachal Pradesh and Manipur

3. Maharashtra and Bihar

4. Uttar Pradesh and Bihar

Solution :

The correct answer is **option 1** i.e. **Uttar Pradesh and Maharashtra**

- According to the Census of India 2011, Uttar Pradesh and Maharashtra are the two states with the highest populations in India.
- Uttar Pradesh is the most populous state, followed by Maharashtra.
- Both states have large populations due to their size, historical significance, and economic opportunities, among other factors.

Question 32 :

Which of the following cyclones did NOT hit India during the years 2021-2022?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Yaas
2. Julia
3. Tauktae
4. Gulab

Solution :

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

- Cyclone named "Julia" did not hit India during the years 2021-2022.
- The list of cyclones that hit India during this period:

1. Cyclone Tauktae (May 2021)
2. Cyclone Yaas (May 2021)
3. Cyclone Gulab (September 2021)

Question 33 :

Identify the function of lipase in the process of digestion.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

Breaking down roughage

2. Breaking down emulsified fats

3. Secreting intestinal fluids

4. Digesting proteins

Solution :

The correct answer is **option 2** i.e. **Breaking down emulsified fats**

- The function of lipase in the process of digestion is to break down lipids (fats) into smaller molecules such as fatty acids and glycerol.
- Lipids are a type of macromolecule found in foods like oils, butter, and fatty meats.

Question 34 :

Who among the following Kathak dancers of India founded the KADAMB Centre for Dance in 1964?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Shovana Narayan

2. Sitara Devi

3. Rohini Bhate

4. Kumudini Lakhia

Solution :

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

- After a distinguished profession as a solo dancer, Kumudini Lakhia established the KADAMB Centre for Dance in Ahmedabad, India in 1964.
- A career in dance spanning over seventy years today Kumudini Lakhia's name is synonym with Kathak.

Question 35 :

Which of the following is the correct match of the column-A with column-B? Column-A (Name of Disease) Column-B (Affected Organs) i. Alzheimer's diseases a. Salivary glands ii. Diphtheria b. Reproductive tract iii. Gonorrhoea c. Brain iv. Mumps d. Nose and throat

Difficulty : Moderate

Average Time : 53 Seconds

Options :

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

Solution :

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

The correct match of the column-A with column-B is:

Column-A (Name of Disease)	Column-B (Affected Organs)
i. Alzheimer's diseases	c. Brain
ii. Diphtheria	d. Nose and throat
iii. Gonorrhoea	b. Reproductive tract
iv. Mumps	a. Salivary glands

Question 36 :

Which of the following is NOT an initiative by the government for development of the microfinance sector in India?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Pradhan Mantri Jan Dhan Yojana
2. E-Shakti Initiative
3. Pradhan Mantri Mudra Yojana
4. India Micro Finance Equity Fund

Solution :

The correct answer is **option 1** i.e. **Pradhan Mantri Jan Dhan Yojana**.

Pradhan Mantri Jan Dhan Yojana is not specifically an initiative for the development of the microfinance sector in India. Instead, it is a financial inclusion program aimed at providing access to banking services for the unbanked population. The other initiatives mentioned—E-Shakti Initiative, Pradhan Mantri Mudra Yojana, and India Micro Finance Equity Fund—are directly related to supporting and developing the microfinance sector by providing funding, digitization, and financial support to microfinance institutions and their clients.

Question 37 :

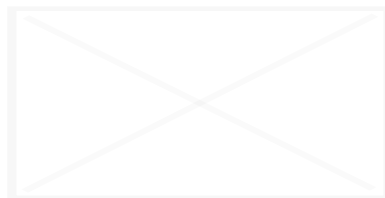
The maximum distance covered in a marathon is _____.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 40 km
2. 42.5 km
3. 42.195 km
4. 41.5 km



Solution :

The correct answer is **option 3** i.e. **42.195 km**

- The maximum distance covered in a marathon is 42.195 kilometers or approximately 26.219 miles.
- This is the standard distance for a marathon race as defined by the International Association of Athletics Federations (IAAF) and other governing bodies.

Question 38 :

Elphinstone was the Governor of which province of India during 1819-27?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. North West Frontier province
2. Madras
3. Bengal
4. Bombay

Solution :

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

Lord Elphinstone served as Governor of Bombay (now Mumbai) from 1819 until 1827.

During his time in the Bombay Presidency, he made substantial contributions to its administration and development.

Question 39 :

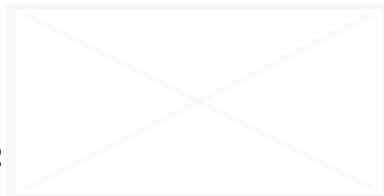
India won the Thomas Cup in the year _____.

Difficulty : Moderate

Average Time : 39 Seconds

Options :

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



Solution :

The correct answer is **option 3** i.e. **2022**

India took on 14-time winners Indonesia in the final of the Thomas Cup in Bangkok on May 15, 2022 and lifted the title defeating the defending champions by 3-0.

Question 40 :

Who was the president of the second session of the Indian National Congress?

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. Dadabhai Naoroji
2. Womesh Chandra Bonnerjee
3. Pherozeshah Mehta
4. George Yule

Solution :

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

Dadabhai Naoroji served as the president of the Indian National Congress's second session.

He presided over the second session held in Calcutta (now Kolkata) in 1886.

Question 41 :

Who among the following was a Padma Bhushan awardee, legendary Bharatanatyam exponent, theosophist and founder of the Kalakshetra Dance School?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Sonal Mansingh
2. Saroja Vaidyanathan
3. Rukmini Devi Arundale
4. Mallika Sarabhai

Solution :

The correct answer is **option 3** i.e. **Rukmini Devi Arundale**

- Rukmini Devi Arundale was indeed a Padma Bhushan awardee, a legendary Bharatanatyam exponent, theosophist, and founder of the Kalakshetra Dance School.
- She established Kalakshetra in 1936 near Chennai, with the aim of preserving and promoting traditional Indian arts and culture.

Question 42 :

MS Subbulakshmi, a legend in India is known for which of the following?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Ghazal music
2. Sufi devotional music
3. Hindustani music
4. Carnatic music

Solution :

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

- M. S. Subbulakshmi was a legendary Carnatic vocalist from India.
- She is renowned for her exceptional singing talent and her contributions to Indian classical music.

Question 43 :

Which of the following is a negative effect of Green Revolution in India? (i) Depletion of groundwater table (ii) Deterioration in the quality of soil (iii) Increased input cost

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. (ii) and (iii)
2. (i) and (ii)
3. (i), (ii) and (iii)
4. Only (iii)

Solution :

The correct answer is **option 3** i.e. **(i), (ii) and (iii)**

All of the options listed can be considered negative effects of the Green Revolution in India:

(i) Depletion of groundwater table: The Green Revolution promoted the intensive use of water for irrigation, leading to the depletion of groundwater levels in many regions due to excessive extraction.

(ii) Deterioration in the quality of soil: Intensive use of chemical fertilizers and pesticides, common practices during the Green Revolution, can lead to soil degradation, loss of soil fertility, and increased salinity, ultimately deteriorating soil quality.

(iii) Increased input cost: The adoption of modern agricultural practices associated with the Green Revolution, such as high-yielding crop varieties, chemical fertilizers, and pesticides, often increased the input costs for farmers, leading to financial burdens, especially for small-scale farmers.

Therefore, all of the options (i), (ii), and (iii) can be considered negative effects of the Green Revolution in India.

Question 44 :

Under the Rail Kaushal Vikas Yojana launched in September 2021, the Government of India has proposed to impart training to a total of 50,000 candidates over a year period.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. four

two

3. five

4. three

Solution :

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

- As part of 75 years of Azadi ka Amrit Mahotsav, the Railway Ministry has launched Rail Kaushal Vikas Yojana, a program under the Modi government's Pradhan Mantri Kaushal Vikas Yojana.
- Under this scheme, training will be provided to a total of 50,000 candidates over a three years' period.

Question 45 :

Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R). (A): An object slips less on a rough surface than a smooth surface. (R): When a surface is rough, frictional force increases.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Assertion (A) is true and Reason (R) is false.
2. Both Assertion (A) and Reason (R) are the true but Reason (R) is not a correct explanation of Assertion (A).
3. Assertion (A) is false and Reason (R) is true.
4. Both Assertion (A) and Reason (R) are the true and Reason (R) is a correct explanation of Assertion (A).

Solution :

The correct answer is **option 4** i.e. **Both Assertion (A) and Reason (R) are the true and Reason (R) is a correct explanation of Assertion (A)**

- Assertion (A): An object slips less on a rough surface than a smooth surface. This statement is true because rough surfaces provide more friction, which helps in preventing slipping.
- Reason (R): When a surface is rough, frictional force increases. This statement is also true because rough surfaces have irregularities that provide more contact points between the surfaces, leading to increased frictional force.

Therefore, Both Assertion (A) and Reason (R) are the true and Reason (R) is a correct explanation of Assertion (A).

Question 46 :

On 1 February 2021, Finance Minister Nirmala Sitharaman informed that _____ and _____ will be merged under the umbrella of Mission POSHAN 2.0.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Supplementary Health Programme; National health Mission
2. Supplementary Nutrition Programme; National Health Mission
3. Supplementary Nutrition Programme; National Nutrition Mission
4. Supplementary Health Programme; National Nutrition Mission

Solution :

The correct answer is **option 3** i.e. **Supplementary Nutrition Programme; National Nutrition Mission.**

- On 1 February 2021, Finance Minister Nirmala Sitharaman announced that the Supplementary Nutrition Programme (SNP) and the Poshan Abhiyan (National Nutrition Mission) would be merged under the umbrella of Mission POSHAN 2.0.
- This consolidation aimed to streamline efforts to address malnutrition and improve nutritional outcomes in India.

Question 47 :

Who among the following was appointed as the chairperson of the 22nd Law Commission in 2022?



Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Justice U. U. Lalit
2. Justice V. V. Raman
3. Justice K. T. Shankaran
4. Justice Rituraj Awasthi

Solution :

The correct answer is **option 4** i.e. **Justice Rituraj Awasthi**

- Ritu Raj Awasthi (born 3 July 1960) is an Indian Judge.
- He is currently serving as the Chairperson of 22nd Law Commission of India.
- He was Chief Justice of Karnataka High Court from 11 October 2021 to 2 July 2022.

Question 48 :

Assume a situation where A has gone to a cinema hall with her friends to watch a movie. In the next seat she realises that it is her maid who is also watching the movie. Now A asks her maid to leave the cinema hall. In the above scenario, which of the following Article of the Constitution of India can provide relief to the maid?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

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

Solution :

The correct answer is **option 2** i.e. **Article 15**

- In the scenario described, if the maid feels discriminated against or unfairly treated solely based on her occupation or social status, she could seek relief under Article 15 of the Constitution of India.
- Article 15 prohibits discrimination on grounds of religion, race, caste, sex, or place of birth.

Question 49 :

Who among the following was the first Chief Election Commissioner of India?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Dr. Nagendra Singh
2. SP Sen Verma
3. Sukumar Sen
4. KVK Sundaram

Solution :

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

- Sukumar Sen was the first Chief Election Commissioner of India.
- He served as the Chief Election Commissioner from 21 March 1950 to 19 December 1958.
- Sukumar Sen played a crucial role in conducting the first general elections in India in 1951-52, which were the largest democratic exercise in the world at that time.

Question 50 :

Which festival traces its origin to the Tibetan New Year and in Ladakh, it is celebrated every year at the end of the harvesting season?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Losar festival
2. Matho Nagrang
3. Yuru Kabgyat
4. Dosmoche

Solution :

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

- The festival that traces its origin to the Tibetan New Year and is celebrated every year at the end of the harvesting season in Ladakh is the "Losar" festival.
- Losar is a significant and joyous festival celebrated by the Tibetan and Ladakhi communities to mark the beginning of the Tibetan New Year.

Question 51 :

Sabha and Ur, two kinds of village assemblies are referred to in which of the following dynasties?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Chola
2. Rashtrakuta
3. Gurjara Pratihara
4. Chalukya

Solution :

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

- The terms "Sabha" and "Ur" indeed refer to village assemblies during the Chola dynasty in ancient South India.
- These assemblies played crucial roles in the administration and governance of villages.

Question 52 :

Who among the following was defeated by Mauryan emperor Chandragupta Maurya?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Cassander
2. Seleucus Nicator
3. Antigones
4. Ptolemy

Solution :

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

Seleucus I Nicator, one of the generals of Alexander the Great who later established the Seleucid Empire, was indeed defeated by Chandragupta Maurya.

After Alexander's death, his empire fragmented, and Seleucus became one of the Diadochi, or successors.

Question 53 :

A shopkeeper sold a pair of headphones for ₹15,520 at a gain of 20%. What would have been the gain or loss percent if it had been sold for ₹14,370?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Gain 15%
2. Loss 5%
3. Gain 2%
4. Loss 10%

Solution :

The correct answer is **Option 2** i.e. **Loss 5%**.

We know that,

Gain percent = $[(\text{Selling Price} - \text{Cost Price}) \times 100] / \text{Cost price}$

Loss percent = $[(\text{Cost Price} - \text{Selling Price}) \times 100] / \text{Cost price}$

SP = CP + Gain

$$5520 = CP + (20 \times CP)/100$$

$$(120/100 CP) = 5520$$

$$CP = 4600$$

$$\text{Loss percent} = [(4600-4370)/4600] \times 100$$

$$(230/4600) \times 100 = 5\%$$

Question 54 :

In a certain year, the population of a city was 18000. If in the next year, the population of males increased by 5% and that of females increased by 7%, and the total population increased to 19200, then what was the ratio of the populations of males and females in that given year?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 2 : 5

2. 1 : 5

3. 4 : 3

4. 3 : 5

**Solution :**

The correct answer is **Option 2** i.e. **1 : 5**.

Given:

$$\text{Males (M) + female (F) = 18000 (105\% of M) + (107\% of F) = 19200.}$$

Now,

$$M + F = 18000 \dots(1)$$

$$(105/100)M + (107/100)F = 19200 \dots(2)$$

Put the value of M from equation (1) We get,

$$105(18000 - F) + 107F = 1920000$$

$$2F = 30,000$$

$$F = 15,000$$

So,

$$M = 18000 - 15000 = 3000$$

The ratio of the populations of males and females = $M/F = 300/1500 = 1/5 = 1 : 5$

Question 55 :

An inlet pipe can fill an empty tank in 120 hours while an outlet pipe drains a completely-filled tank in 54 hours. If 8 inlet pipes and 3 outlet pipes are opened simultaneously, when the tank is empty, then in how many hours will the tank get completely filled?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 81

2. 96

3. 72

4. 90

Solution :

The correct answer is **option 4** i.e. **90**



Given:

A inlet pipe can fill the empty tank in = 120 hours

An outlet pipe can empty the completely filled tank in = 54 hours

Concept Used:

Total work = Efficiency × Time

Explanation:

Let the total capacity of the tank be LCM (120, 54) = 1080

The efficiency of inlet pipe = $1080/120 = 9$

The efficiency of an outlet pipe = $1080/54 = 20$

According to the question

$$(8 \text{ inlet} + 3 \text{ outlet}) \times \text{time} = 1080$$

$$(8 \times 9 + 3 \times -20) \times \text{time} = 1080$$

$$(72 - 60) \times \text{time} = 1080$$

time = $1080/12 = 90$ hours

Question 56 :

The marked price of a frock is ₹14,500. It is to be sold at ₹12,400 at two successive discounts. If the first discount is 20%, then the second discount will be:

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 40%
2. 30%
3. $66\frac{1}{3}\%$
4. $33\frac{1}{3}\%$

Solution :

The correct answer is **Option 4** i.e. $33\frac{1}{3}\%$.

M.P. = Rs.4500

S.P. = 2400

Selling price = Marked price $\times (100 - \text{discount})/100$

Discount % = $(\text{Marked Price} - \text{Selling Price})/\text{Marked Price} \times 100$

S.P. of the article after 20% discount = $4500 \times 80/100 = 3600$

Second S.P. = Rs.2400

Second discount = $3600 - 2400 = \text{Rs.}1200$

Discount percentage = $1200/3600 \times 100 = 33\frac{1}{3}\%$

Question 57 :

Which of the following numbers is divisible by 11?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 97174
2. 56923

63962

4. 17295

Solution :

The correct answer is **Option 1** i.e. **97174**.

Divisibility rule of 11:- The given number can only be completely divided by 11 if the difference between the sum of digits at odd position and the sum of digits at even position in a number is 0 or 11.

Option 1: 97174

$$(9 + 1 + 4) - (7 + 7) = 14 - 14 = 0$$

Hence, it is divisible by 11

Option 2: 56923

$$(5 + 9 + 3) - (6 + 2) = 17 - 8 = 9$$

Hence, it is not divisible by 11

Option 3: 63962

$$(6 + 9 + 2) - (3 + 6) = 17 - 9 = 8$$

Hence, it is not divisible by 11

Option 4: 17295

$$(1 + 2 + 5) - (7 + 9) = 8 - 16 = - 8$$

Hence, it is not divisible by 11

Question 58 :

Two trains of length 130 m and 120 m are running on parallel lines in the same direction at a speed of 40 km/h and 50 km/h, respectively. In how much time will they pass each other?

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

1. 85 sec

2. 62 sec

3. 63 sec

90 sec

Solution :

The correct answer is **Option 4** i.e. **90 sec**.

Length of first train, $T_1 = 130$ m

Speed of first train, $S_1 = 40$ km/h

Length of second train, $T_2 = 120$ m

Speed of second train, $S_2 = 50$ km/h

The relative speed of trains moving in the same direction = Difference between the speeds of the two trains

Trains are running in the same direction

Relative speed = Speed of second train - Speed of first train = $50 - 40 = 10$ km/h

$$10 \times \left(\frac{5}{18}\right) = \left(\frac{25}{9}\right) \text{ m/sec}$$

$$\text{Time} = \left(\frac{\text{distance}}{\text{speed}}\right) = \left(\frac{130 + 120}{\frac{25}{9}}\right) = 250/25/9 = 90 \text{ sec}$$

Question 59 :

The square of the sum of two given natural numbers is 784, while the product of the two given numbers is 192. Find the positive difference between the squares of these two given numbers.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 512
2. 122
3. 400
4. 112

Solution :

The correct answer is **Option 4** i.e. **112**.

Given:

$$(x + y)^2 = 784 \text{ and } xy = 192$$

Now,

$$(x + y)^2 = 784$$

$$(x + y) = 28$$

Squaring both sides

$$x^2 + y^2 + 2xy = 784$$

$$x^2 + y^2 + 2 \times 192 = 784$$

$$x^2 + y^2 = 400$$

So,

$$x^2 + y^2 - 2xy = 400 - 2 \times 192$$

$$x^2 + y^2 - 2xy = 16$$

$$(x - y)^2 = 16$$

$$x - y = 4$$

Now,

$$x^2 - y^2 = (x + y)(x - y)$$

$$28 \times 4 = 112$$



Question 60 :

Solve the given expression. $(\frac{\sec^2(90^\circ - \theta) - \cot^2 \theta}{2(\sin^{235^\circ} + \sin^{255^\circ})})$

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 0.5

2. 2

3. 1.5

4. 1

Solution :

The correct answer is **Option 1** i.e. **0.5**.

$$\left(\frac{\sec^2(90^\circ - \theta) - \cot^2 \theta}{2(\sin^{235^\circ} + \sin^{255^\circ})}\right)$$

$$\left(\frac{\operatorname{cosec}^2 \theta - \cot^2 \theta}{2(\sin^2(90^\circ - 35^\circ) + \sin^{255^\circ})}\right)$$

$$\left(\frac{1}{2}\right)^2 = \frac{1}{4} = 0.25$$

Question 61 :

What is the sum of the divisors of 484 that are perfect squares?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 125
2. 35
3. 610
4. 13

Solution :

The correct answer is **Option 3** i.e. **610**.

We can factorize 484 as,

$$484 = 2^2 \times 11^2$$

Factors of 484 which are perfect squares 1, 4, 121, 484

The sum of the factors = $1 + 4 + 121 + 484 = 610$

Question 62 :

Study the bar graph carefully and answer the question that follows. The following bar graph shows the sale of Bluetooth earphones on online marketplaces over the years. Sale of Bluetooth earphones (in lakhs) Find the approx. percentage increase in the sale of earphones from 2017 to 2020.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 69%
2. 57%
3. 78%
4. 71%

Solution :

The correct answer is **Option 1** i.e. **69%**.

Sales of earphones in 2017 = 49.7

Sales of earphones in 2020 = 84

Percentage = $(84 - 49.7)/49.7 \times 100$

$34.3/49.7 \times 100$

69.01% or 69%

Question 63 :

C1 and C2 are two concentric circles such that the radius of C2 is less than the radius of C1. If AB is the chord of C1 of length 12 cm, touching C2 at P, find the length of AP.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 9 cm
2. 10.5 cm
3. 8 cm
4. 6 cm



Solution :

The correct answer is **Option 4** i.e. **6 cm**.

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Let O be the center of both circles

We draw a perpendicular OP on AB

OP cuts AB into two equal parts

Such that,

AP = PB

AB = 12 cm then,

length of AP = $AB/2 = 12/2 = 6$ cm

Question 64 :

In the given figure, the length of arc AB is equal to 3 times radius r of the circle. Find the area of sector OAB in terms of

radius r .

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. $1.5 r^2$
2. 2.52
3. $\frac{1}{2}r^2$
4. $32r^2$

Solution :

The correct answer is **Option 1** i.e. $1.5 r^2$.

We know that,

$$\begin{aligned} \text{Area of an arc} &= \frac{\theta}{360} \times r^2 \\ &= \frac{\text{arc}}{\text{radius}} \end{aligned}$$

Now, according to the question

Here, the arc = $3r$

So,

$$\begin{aligned} &= \frac{3r}{r} \\ &= 3 \end{aligned}$$

The area of the sector OAB is,

$$\frac{3}{360} \times 180 \times r^2 = \frac{3}{2}r^2 = 1.5r^2$$

Question 65 :

The average age of a group of friends is 27 years. If 4 new friends whose average age is 25 years join them, the average age of the entire group becomes 26 years. How many people were there in the group initially?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 3
2. 4

5

4. 6

Solution :

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

We know that,

Average = Sum of observations/Number of observations

Let's the initial number of friends in the group as "N"

The sum of the ages of the initial N friends = 27N

After 4 new friends join the group, the average age becomes 26 years

Now, the total sum of ages of the entire group after the 4 new friends join = 26(N + 4)

According to this question,

$$27N + 4 \times 25 = 26N + 104$$

$$27N + 100 = 26N + 104$$

$$N + 100 = 104$$

$$N = 4$$

Initially, there were 4 friends in the group

Question 66 :

Simplify the expression $\frac{1^2 - m^2}{(1+m)^2}$ provided $(1 + m) \neq 0$.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. $\frac{1+m}{1-m}$

2. $\frac{1-m}{1+m}$

3. 0

4. 1

Solution :

The correct answer is **Option 2** i.e. $\frac{1-m}{1+m}$.

$$\frac{1^2 - m^2}{(1+m)^2}$$

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

Question 67 :

$$\operatorname{cosec} 2910^\circ + \sec 4260^\circ + \tan 2565^\circ + \cot 1755^\circ = ?$$

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 3

2. 1

3. 4

4. 0

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

$$\operatorname{cosec} 2910^\circ + \sec 4260^\circ + \tan 2565^\circ + \cot 1755^\circ$$

$$\operatorname{cosec} (2970 - 60)^\circ + \sec (4230 + 30)^\circ + \tan (2610 - 45)^\circ + (\cot 1800 - 45)^\circ$$

$$\operatorname{cosec} (33 \times 90 - 60)^\circ + \sec (47 \times 90 + 30)^\circ + \tan (29 \times 90 - 45)^\circ + (\cot 20 \times 90 - 45)^\circ$$

$$\sec 60^\circ + \operatorname{cosec} 30^\circ + \cot 45^\circ - \cot 45^\circ$$

$$2 + 2 + 1 - 1 = 4$$

Question 68 :If $(a^3 + b^3 + c^3 - 3abc) = 405$, and $(a + b + c) = 15$, find the value of $(a - b)^2 + (b - c)^2 + (c - a)^2$.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 27

2. 54

3. 18

4. 45

Solution :

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

We know that,

$$(a^3 + b^3 + c^3 - 3abc) = 1/2 (a + b + c) [(a - b)^2 + (b - c)^2 + (c - a)^2]$$

$$405 = 1/2 \times 15 [(a - b)^2 + (b - c)^2 + (c - a)^2]$$

$$[(a - b)^2 + (b - c)^2 + (c - a)^2] = (405 \times 2)/15$$

$$[(a - b)^2 + (b - c)^2 + (c - a)^2] = 27 \times 2$$

$$[(a - b)^2 + (b - c)^2 + (c - a)^2] = 54$$

Question 69 :

Radhika owns 2 dogs, 3 rabbits and 4 parrots as pets. What is the ratio of the number of rabbits to the total number of pets Radhika owns?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 2 : 3

2. 1 : 3

3. 3 : 1

4. 3 : 2

Solution :

The correct answer is **Option 2** i.e. **1 : 3**.

Radhika owns 2 dogs, 3 rabbits, and 4 parrots as pets

Ratio = number of rabbits/total number of pets

$$\text{Ratio} = 3/(2 + 3 + 4) = 3/9 = 1/3 = 1 : 3$$

Question 70 :

PT is a tangent to a circle whose centre is O, and where T is a point on the circle. If PT = 12 cm and PO = 13 cm, then find the radius of the circle.

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 4 cm

6 cm

3. 4.5 cm

4. 5 cm

Solution :

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

Given that:

PT = 12 cm, and PO = 13 cm

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In $\triangle PTO$

$$PO^2 = TO^2 + PT^2$$

$$13^2 = TO^2 + 12^2$$

$$169 = TO^2 + 144$$

$$TO^2 = 169 - 144$$

$$TO^2 = 25$$

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

Hence radius is 5 cm

**Question 71 :**

A boat can go 60 km downstream and 40 km upstream in 12 hours 30 minutes. It can go 84 km downstream and 63 km upstream in 18 hours 54 minutes. What is the speed (in km/h, to the nearest integer) of the boat in still water?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 7

2. 8

3. 9

4. 10

Solution :

The correct answer is **Option 3** i.e. **9**.

Suppose the speed of the boat be x and the speed of the stream be y ;

So,

Downstream speed = $x + y$

Upstream speed = $x - y$

According to the question:

$$60/(x + y) + 40/(x - y) = 12.5 \text{ km/h} \dots(1)$$

$$84/(x + y) + 63/(x - y) = 18.9 \text{ km/h} \dots(2)$$

After solving equations 1 and 2:

$$x + y = 40/3$$

$$x - y = 5$$

So,

$$x = 9 \text{ km/h}$$

Hence, the speed of the boat in still water = 9 km/h



Question 72 :

Study the given table and answer the question that follows. The table shows the number of candidates who appeared (App), qualified (Qual) and were selected (Sel) in a competitive examination from four states Delhi, Goa, Karnataka, and Maharashtra over the years 2012 to 2016. Years Delhi Goa Karnataka Maharashtra App Qual Sel App Qual Sel App Qual Sel App Qual Sel

Year	Delhi App	Delhi Qual	Delhi Sel	Goa App	Goa Qual	Goa Sel	Karnataka App	Karnataka Qual	Karnataka Sel	Maharashtra App	Maharashtra Qual	Maharashtra Sel
2012	8000	850	94	7800	810	82	7500	720	78	8200	680	85
2013	4800	500	48	7500	800	65	5600	620	85	6800	600	70
2014	9500	850	90	8800	920	86	7000	650	70	7800	720	84
2015	9000	800	70	7200	850	75	5500	950	80	5700	485	60
2016	7500	640	82	7400	560	70	4800	400	48	6500	525	65

The percentage of candidates that qualified from Goa over those that appeared from Goa is the highest in the year.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. 2013
2. 2014
3. 2012
4. 2015

Solution :

The correct answer is **Option 4** i.e. **2015**.

The percentage of candidates that qualified from Goa over those that appeared from Goa in 2012

$$(810/7800) \times 100 = 10.38$$

The percentage of candidates that qualified from Goa over those that appeared from Goa in 2013

$$(800/7500) \times 100 = 10.66$$

The percentage of candidates that qualified from Goa over those that appeared from Goa in 2014

$$(920/8800) \times 100 = 10.45$$

The percentage of candidates that qualified from Goa over those that appeared from Goa in 2015

$$(850/7200) \times 100 = 11.80$$

Question 73 :

A sum of money becomes $(\frac{8}{7})$ of itself in 2 years at a certain rate of simple interest. The rate per annum is:

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. $6\left(\frac{3}{7}\right)\%$
2. $8\left(\frac{1}{7}\right)\%$
3. $7\left(\frac{1}{7}\right)\%$
4. $7\left(\frac{3}{7}\right)\%$

Solution :

The correct answer is **Option 3** i.e. $7\left(\frac{1}{7}\right)\%$.

We know that,

$$\text{S.I.} = (P \times R \times T)/100$$

here, S.I. = Simple Interest, P = Principal, R = Rate and T = Time

$$\text{S.I.} = 8/7P - P = 1/7P$$

$$1/7P = (P \times R \times 2)/100$$

$$1/7 = R/50$$

$$R = 50/7$$

$$R = 7\left(\frac{1}{7}\right)$$

Question 74 :

Three cubes with sides in the ratio of 3 : 4 : 5 are melted to form a single cube whose diagonal is 183 cm. The sides of the three cubes are:

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 21 cm, 28 cm and 35 cm
2. 9 cm, 12 cm and 15 cm
3. 18 cm, 24 cm and 30 cm
4. 12 cm, 16 cm and 20 cm

Solution :

The correct answer is **Option 2** i.e. **9 cm, 12 cm, and 15 cm.**

Let the sides of the three cubes be $3x$, $4x$, and $5x$

$$\text{Then, volume of the new cube} = [(3x)^3 + (4x)^3 + (5x)^3] = 216x^3$$

The diagonal of the cube = $a\sqrt{3}$

$$a\sqrt{3} = 183$$

$$a = 18 \text{ (side of the big cube)}$$

Now, According to the question,

$$216x^3 = 18^3$$

$$x^3 = 27$$

$$x = 3$$

So, the sides of the three cubes = $3x$, $4x$, and $5x = 9$, 12 , and 15

Question 75 :

If one man or two women or three boys can finish a work in 121 days, then how many days will one man, one woman and one boy together take to finish the same work?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

66

2. 44

3. 88

4. 55

Solution :

The correct answer is **Option 1** i.e. **66**.

We know that,

$$(M_1 \times T_1)/W_1 = (M_2 \times T_2)/W_2$$

According to the question,

$$M = 2W$$

$$W = M/2$$

$$M = 3B$$

$$B = M/3$$

$$M + W + B = M + (M/2) + (M/3) = 11M/6$$

$$(1 \times 121)/1 = ((11M/6) \times T_2)/1$$

$$T_2 = 66 \text{ days}$$

The time taken by one man, one woman, and one boy together to finish the work is 66 days.

Question 76 :

Select the most appropriate synonym of the underlined word. The investment scheme had been a scam all along.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Plain

2. Swindle

3. Failure

4. Successful

Solution :

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

A "**scam**" refers to a fraudulent scheme or deception intended to trick someone, often resulting in financial loss or harm.

Similarly, a "**swindle**" also refers to a deceitful scheme or fraud, typically involving taking money dishonestly.

Question 77 :

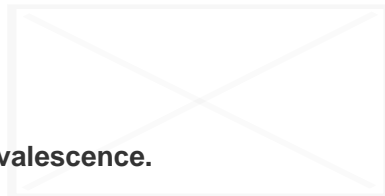
Select the option that can be used as a one-word substitute for the given phrase. Gradual recovery of health and strength.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Convalescence
2. Potency
3. Benefaction
4. Rejuvenation



Solution :

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

Convalescence refers to the period of time during which a person recovers gradually from an illness, injury, or medical treatment, gaining back their health and strength.

Question 78 :

Select the most appropriate ANTONYM of the word given in brackets to fill in the blank. The teacher could judge that his intentions were _____ (nefarious) so he was not stopped from entering the hall.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. pious
2. traitorous
3. envious
4. perfidious

Solution :

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

- "**Nefarious**" means wicked or evil, implying an intention to do harm or commit wrongdoing.

In contrast, "**pious**" means morally upright, suggesting goodness and sincerity in one's intentions and actions.

Question 79 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Arbitrary
2. Favourite
3. Agreement
4. Conviction

Solution :

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

The correct spelling is "AGREEMENT."

Question 80 :

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

Difficulty : Moderate

Average Time : 34 Seconds

Options :

1. Doing a job in a slow and incorrect manner
2. Doing a job in a quick and competent manner
3. Playing with a ball
4. Exercising using a ball

Solution :

The correct answer is **option 2** i.e. **Doing a job in a quick and competent manner**.

When someone is described as being "**on the ball**," it means they are alert, efficient, and responsive in their actions.

Question 81 :

Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. My students / had expect / guidance from my end.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. had expect
2. guidance from my end
3. My students
4. No error

Solution :

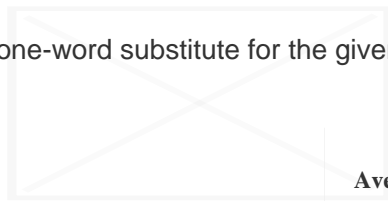
The correct answer is **option 1** i.e. **had expect**.

In this case, the verb "**expect**" should be in the **past participle form "expected"** to correctly convey the idea that the students were looking forward to guidance from the speaker's end in the past.

So, the correct form should be "**had expected.**"

Question 82 :

Select the option that can be used as a one-word substitute for the given group of words. Capable of being bent or pulled into different shapes.



Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Lithe
2. Willowy
3. Ductile
4. Lissome

Solution :

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

"**Ductile**" describes a material's ability to deform under tensile stress, meaning it can be stretched or bent without breaking.

Question 83 :

Select the option that expresses the given sentence in passive voice. He didn't eat a single morsel of food at his daughter's wedding.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

A single morsel of food is not eaten by him at his daughter's wedding.

2. A single morsel of food was not eaten by him at his daughter's wedding.
3. A single morsel of food can not be eaten by him at his daughter's wedding.
4. A single morsel of food was not being eaten by him at his daughter's wedding.

Solution :

The correct answer is **option 2** i.e. **A single morsel of food was not eaten by him at his daughter's wedding.**

The passive voice of the given sentence would be:

- **"A single morsel of food was not eaten by him at his daughter's wedding."**

In this sentence:

- **"A single morsel of food"** is the subject.
- **"was not eaten"** is the passive verb construction.
- **"by him"** indicates the agent, which is optional and can be omitted in passive voice.

Question 84 :

Select the most appropriate ANTONYM of the underlined word. My teacher accepted my excuse for being late.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Trusted
2. Rejected
3. Agreed
4. Believed

Solution :

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

In this context, **"accepted"** means that the teacher approved or believed the excuse provided by the speaker for being late.

Therefore, **the opposite of "accepted" would be "rejected,"** meaning the teacher did not approve or believe the excuse and possibly disapproved of it or considered it invalid.

Question 85 :

Select the option that can be used as a one-word substitute for the given group of words. A large cage, building, or

enclosure to keep birds.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Aviary
2. Burrow
3. Apiary
4. Dormitory

Solution :

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

An **aviary** is a large enclosure or space, where birds are kept in captivity for observation, conservation, or breeding purposes.

Question 86 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. Disability was viewed as God's retribution for wickedness in the past.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. revenge for legal works
2. punishment for wrongdoing
3. payback for doing help
4. fine for misbehaviour

Solution :

The correct answer is **option 2** i.e. **punishment for wrongdoing**.

- This substitution maintains the meaning of the original sentence while expressing it in a more general and widely understood way.
- The revised sentence would be: "**Disability was viewed as punishment for wrongdoing in the past.**"

Question 87 :

Select the most appropriate idiom for the given situation. I was very excited about my new assignment. I sent the email without the required attachment. What have I done?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Shook a leg
2. As swift as an eagle
3. Jumped the gun
4. Tested the waters

Solution :

The correct answer is **option 3** i.e. **Jumped the gun**.

To "**jump the gun**" means to act too hastily or before the proper time, often resulting in a mistake or unintended consequence.

Question 88 :

Select the most appropriate homonym to fill in the blank. The villagers kept the _____ out, to collect the rain water.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. crus
2. cruse
3. crews
4. cruise

Solution :

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

- A "**cruse**" refers to a small container used for holding liquids such as oil or water.
- In the context provided, the villagers are likely using the "cruse" to collect rainwater.

Question 89 :

Select the option that expresses the given sentence in passive voice. The workers had eaten all the pastries before the day broke.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

All the pastries were being eaten by the workers before the day broke.

2. All the pastries had been eaten by the workers before the day broke.

3. All the pastries have been eaten by the workers before the day broke.

4. All the pastries are being eaten by the workers before the day broke.

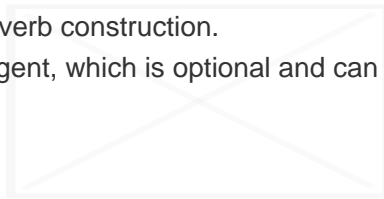
Solution :

The correct answer is **option 2** i.e. **All the pastries had been eaten by the workers before the day broke.**

- The passive voice of the given sentence would be:
"All the pastries had been eaten by the workers before the day broke."

In this sentence:

- **"All the pastries"** is the subject.
- **"had been eaten"** is the passive verb construction.
- **"by the workers"** indicates the agent, which is optional and can be omitted in passive voice.



Question 90 :

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. Both, Ratan and Moti were idlers and did not work. B. Their wives had introduced order and industry in the house. C. Ratan and Moti's wives would work hard and would earn the bread for their family. D. This made them lazier.

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. CDAB
2. ABDC
3. BADC
4. ACBD

Solution :

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

Sentence A introduces the characters Ratan and Moti, describing them as idlers who do not work.

Sentence C provides further information about Ratan and Moti's wives, who work hard to earn a living for their families.

Sentence B connects the previous sentences by explaining how Ratan and Moti's wives bring order and industry into their households.

Sentence D concludes the paragraph by explaining the consequence of Ratan and Moti's idleness, which is becoming even lazier due to their wives' hard work.

Question 91 :

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. The first is the herbalist, who generally enjoys the prestige and reputation of being the real traditional medical professional. B. Over the years, I have come to distinguish three types of medical practitioners in African societies and to classify the extent to which each uses medicinal plants. C. Thirdly, the witch doctor, the practitioner who is credited with the ability to intercept the evil deeds of a witch. D. The second group represents the divine healers.

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. BDAC
2. BADC
3. CBAD
4. ACDB

Solution :

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

Sentence B introduces the main idea of the paragraph, which is the author's classification of medical practitioners in African societies based on their use of medicinal plants.

Sentence A elaborates on the first type of medical practitioner, the herbalist, who is recognized as a traditional medical professional and relies heavily on medicinal plants.

Sentence D introduces the second group of medical practitioners, the divine healers, without whom the paragraph would be incomplete.

Sentence C concludes the paragraph by introducing the third type of medical practitioner, the witch doctor, who is believed to possess the ability to counteract the evil actions of witches.

Question 92 :

Identify the sentence with correct spellings.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Rahul was ashamed of biheving so badly.
2. Rahul was ashamed of bihaving so badly.
3. Rahul was ashamed of beehaving so badly.
4. Rahul was ashamed of behaving so badly.

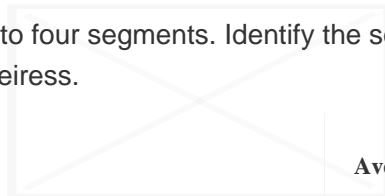
Solution :

The correct answer is **option 4** i.e. **Rahul was ashamed of behaving so badly.**

The correct spelling is "**BEHAVING.**"

Question 93 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. One of these / boxes have the portrait / of the heiress.



Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. boxes have
2. of the heiress
3. the portrait
4. One of these

Solution :

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

Since "one" is the subject of the sentence, it requires the **singular form of the verb "has"** instead of the plural form "have."

The correct form should be "**boxes has**" instead of "boxes have" to maintain subject-verb agreement.

Question 94 :

Select the most appropriate synonym of the underlined word. The hunter drew his bow, but only managed to sever the paw of the wolf before the wolf ran off.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. join
2. mix
3. ramify
4. bind

Solution :

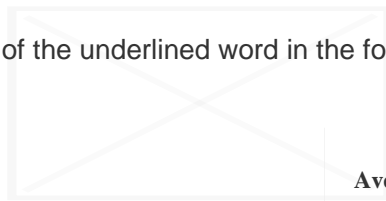
The correct answer is **option 3** i.e. **ramify**.

"**Sever**" means to cut off or separate something forcibly. In the context of the sentence, the hunter managed to cut off or separate the paw of the wolf from its body.

The word "**ramify**" means to divide or spread out.

Question 95 :

Select the most appropriate ANTONYM of the underlined word in the following sentence. The old port was abandoned a long ago.



Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Quit
2. Shortened
3. Kept
4. Rashed

Solution :

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

"**Abandoned**" means to leave or give up completely, implying neglect or disregard.

"**Kept**" means to retain possession of something or to continue to have it.

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 world is going through a deep recession. At such a time, one thing we need in abundance is jobs for the semi-skilled and unskilled. This is the only way in which equal (1)_____ of wealth can take place. The healthcare industry is ideally poised to occupy this position. The IT industry hires people from the upper-middle strata and rich families, usually engineers, (2)_____ the health care industry hires nurses, to the tune of eighty per cent of the jobs

created, from the lower economic strata. Global health care is a 4.5-trillion rupee industry, second only to the agro-industry. Even then, health care (3)_____ only eight per cent of the world's population. Policymakers should look at the healthcare industry as not only an industry which addresses pain but also as one which can (4)_____ the economy. The last century was driven by machines that addressed human toil and it is strongly believed that this century will be driven by health care. This, however, will only happen if policymakers make a conscious effort to (5)_____ the right policies in place soon.

Question 96 :

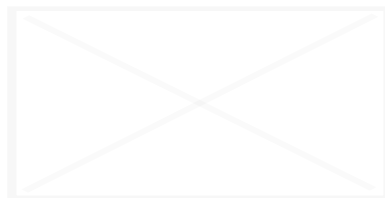
Select the most appropriate option to fill in blank no. 1.

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. spending
2. distribution
3. partition
4. Earning



Solution :

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

In this context, the passage is discussing the need for jobs for the semi-skilled and unskilled during a deep recession, and the idea is that creating jobs in the healthcare industry can contribute to a more equal distribution of wealth.

The sentence would then read: "**This is the only way in which equal distribution of wealth can take place.**"

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 world is going through a deep recession. At such a time, one thing we need in abundance is jobs for the semi-skilled and unskilled. This is the only way in which equal (1)_____ of wealth can take place. The healthcare industry is ideally poised to occupy this position. The IT industry hires people from the upper-middle strata and rich families, usually engineers, (2)_____ the health care industry hires nurses, to the tune of eighty per cent of the jobs created, from the lower economic strata. Global health care is a 4.5-trillion rupee industry, second only to the agro-industry. Even then, health care (3)_____ only eight per cent of the world's population. Policymakers should look at the healthcare industry as not only an industry which addresses pain but also as one which can (4)_____ the economy. The last century was driven by machines that addressed human toil and it is strongly believed that this century will be driven by health care. This, however, will only happen if policymakers make a conscious effort to (5)_____ the right policies in place soon.

Question 97 :

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

Difficulty : Moderate

Average Time : 102 Seconds

Options :

1. whereas
2. unless
3. unlike
4. Despite

Solution :

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

The word "**whereas**" is used to contrast two different ideas or situations, which fits well in the context of comparing the hiring practices of the IT industry with those of the healthcare industry.

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 world is going through a deep recession. At such a time, one thing we need in abundance is jobs for the semi-skilled and unskilled. This is the only way in which equal (1)_____ of wealth can take place. The healthcare industry is ideally poised to occupy this position. The IT industry hires people from the upper-middle strata and rich families, usually engineers, (2)_____ the health care industry hires nurses, to the tune of eighty per cent of the jobs created, from the lower economic strata. Global health care is a 4.5-trillion rupee industry, second only to the agro-industry. Even then, health care (3)_____ only eight per cent of the world's population. Policymakers should look at the healthcare industry as not only an industry which addresses pain but also as one which can (4)_____ the economy. The last century was driven by machines that addressed human toil and it is strongly believed that this century will be driven by health care. This, however, will only happen if policymakers make a conscious effort to (5)_____ the right policies in place soon.

Question 98 :

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

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. cures
2. visits
3. reaches

Calls**Solution :**

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

In this context, the word "reaches" implies the extent to which the healthcare industry is accessible or available to the global population.

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 world is going through a deep recession. At such a time, one thing we need in abundance is jobs for the semi-skilled and unskilled. This is the only way in which equal (1)_____ of wealth can take place. The healthcare industry is ideally poised to occupy this position. The IT industry hires people from the upper-middle strata and rich families, usually engineers, (2)_____ the health care industry hires nurses, to the tune of eighty per cent of the jobs created, from the lower economic strata. Global health care is a 4.5-trillion rupee industry, second only to the agro-industry. Even then, health care (3)_____ only eight per cent of the world's population. Policymakers should look at the healthcare industry as not only an industry which addresses pain but also as one which can (4)_____ the economy. The last century was driven by machines that addressed human toil and it is strongly believed that this century will be driven by health care. This, however, will only happen if policymakers make a conscious effort to (5)_____ the right policies in place soon.

Question 99 :

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

Difficulty : Moderate

Average Time : 91 Seconds

Options :

1. **impede**
2. **persuade**
3. **influence**
4. **Ascertain**

Solution :

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

- In this context, the word "influence" suggests that the healthcare industry has the power to affect or shape the economy in various ways.

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 world is going through a deep recession. At such a time, one thing we need in abundance is jobs for the semi-skilled and unskilled. This is the only way in which equal (1)_____ of wealth can take place. The healthcare industry is ideally poised to occupy this position. The IT industry hires people from the upper-middle strata and rich families, usually engineers, (2)_____ the health care industry hires nurses, to the tune of eighty per cent of the jobs created, from the lower economic strata. Global health care is a 4.5-trillion rupee industry, second only to the agro-industry. Even then, health care (3)_____ only eight per cent of the world's population. Policymakers should look at the healthcare industry as not only an industry which addresses pain but also as one which can (4)_____ the economy. The last century was driven by machines that addressed human toil and it is strongly believed that this century will be driven by health care. This, however, will only happen if policymakers make a conscious effort to (5)_____ the right policies in place soon.

Question 100 :

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

Difficulty : Moderate**Average Time : 92 Seconds****Options :**

1. desire
2. cut
3. design
4. put

**Solution :**

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

In this context, "put" means to establish or implement something, indicating that policymakers need to take deliberate action to enact the appropriate policies for the healthcare industry to drive economic growth effectively.

Ssc Cgl Tier I Previous Year Question Paper Analysis

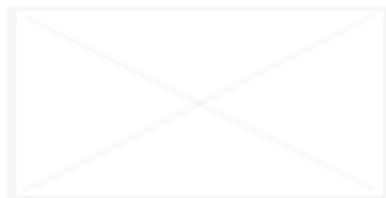
The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2023-10-27 in the Morning Shift exam is as follows:

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 Logical Reasoning, 25 questions were asked from General Awareness and 25 questions were asked from English Language
4. 18 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 - 1
4. Data Interpretation - 2
5. Time And Work - 2
6. Time Speed And Distance - 2
7. Interest - 1
8. Geometry - 3
9. Trigonometry - 3
10. Mensuration - 1
11. Algebra - 1
12. Number System - 4
13. Profit And Loss - 2
14. Pipes And Cistern - 1



Logical Reasoning

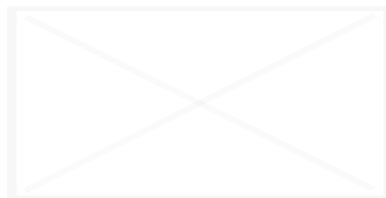
1. Coding Decoding - 2
2. Mirror And Water Image - 2
3. Analogy - 6
4. Classification - 1
5. Blood Relation - 1
6. Venn Diagrams - 2
7. Alphabet Test - 1
8. Matrix - 1
9. Series - 5
10. Mathematical Reasoning - 2
11. Cubes And Dice - 1
12. Embedded Figure - 1

General Awareness

- History - 4
- 2. Polity - 2
- 3. Economics - 1
- 4. Science - 4
- 5. GK Misc - 12
- 6. Art And Culture - 2

English Language

- 1. Cloze Test - 5
- 2. Error Spotting - 2
- 3. Sentence & Para Jumbles - 2
- 4. Idioms - 2
- 5. One Word Substitution - 3
- 6. Spellings (Misc) - 1
- 7. Filler (Misc) - 1
- 8. Voice - 2
- 9. Sentence Improvement - 1
- 10. Synonym - 2
- 11. Antonym - 3
- 12. Incorrectly Spelt - 1
- 13. Incorrectly Spelt - 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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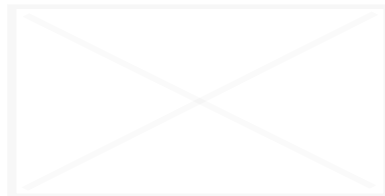
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Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Ssc Cgl Tier I Previous Year Question Paper. She has guided her team to provide the best explanation for the question.

