

Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2022-04-21 in the Afternoon 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 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. Expert mechanics labored over the plane for three hours. B. A small nut had fallen into a channel which prevented the gear from moving. C. A huge plane was forced to crash land when its landing gear got stuck. D. They were amazed when they discovered what had caused the mechanical failure.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. DBAC
2. BADC
3. CADB
4. ACBD

Solution :

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

- Always remember that the opening sentence of a paragraph should always be independent and introductive in nature.
- **Sentence C** introduces the incident that is being talked about and has no dependency on any other sentence. Thus, it will be our introductive sentence.
- **Sentence A** further talks about the next step taken by mechanics tried to fix the fault. Thus, Sentence A will follow sentence C.
- **Sentence D** is a further extension to sentence A as it tells about the cause behind the mechanical failure.



Sentence B is our closing statement as it is nothing but an extension of **Sentence D**.

The correct paragraph is:

A huge plane was forced to crash land when its landing gear got stuck. Expert mechanics labored over the plane for three hours. They were amazed when they discovered what had caused the mechanical failure. A small nut had fallen into a channel which prevented the gear from moving.

Question 2 :

Select the most appropriate meaning of the given idiom. Cold comfort

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. Unbearable weather
2. Enjoyment in the hills
3. Very soothing
4. Very little satisfaction

Solution :

The correct answer is **option 4** i.e. Very little satisfaction.

- The meaning of the given idiom, "**Cold comfort**" is "**poor or inadequate consolation**".

The most appropriate choice among the given options is **Very little satisfaction**.

Question 3 :

The selling price of a mobile phone is Rs 59,620 and it was sold at 8.4% profit. The cost price (in Rs) of the mobile phone is:

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 55000
2. 45000



50000

4. 52000

Solution :

The correct answer is **option 1** i.e. **55000**

The selling price of a mobile phone is Rs. 59,620 and it was sold at 8.4% profit.

Selling price = Cost price + cost price \times profit%

Let the cost price of the mobile phone be Rs. 100x.

$$100x + 100x \times 8.4\% = 59620$$

$$108.4x = 59620$$

$$x = 59620/108.4$$

$$x = 550$$

So, cost price = $100 \times 550 =$ Rs. 55000

Question 4 :

Simplify

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. $\frac{3}{32}$

2. $\frac{5}{32}$

3. $\frac{7}{32}$

4. $\frac{17}{32}$

Solution :

The correct answer is **option 3** i.e. $\frac{7}{32}$

Explanation:

From the given question,

$$\left[\left(5\frac{1}{4} \div 3\frac{1}{2} \times \frac{5}{12} \right) - \frac{3}{16} \right] \div \left(3\frac{4}{7} \div \frac{5}{14} \text{ of } 6\frac{2}{3} \right) \text{ of } 1\frac{1}{3}$$

$$\left[\left(\frac{21}{4} \div \frac{7}{2} \times \frac{5}{12} \right) - \frac{3}{16} \right] \div \left(\frac{25}{7} \div \frac{5}{14} \text{ of } \frac{20}{3} \right) \text{ of } \frac{4}{3}$$

$\frac{4}{3}$)

$\left(\left(\frac{3}{2} \right)^{\frac{5}{12}} - \frac{3}{16} \right)^{\frac{25}{7}} \cdot \left(\frac{50}{21} \right)^{\frac{4}{3}}$

$\left(\left(\frac{15}{24} \right)^{\frac{3}{16}} - \frac{3}{16} \right)^{\frac{25}{7}} \cdot \left(\frac{21}{50} \right)^{\frac{4}{3}}$

$\frac{(30 - 9)}{48} \cdot 2$

$\frac{21}{48} \cdot 2$

$\frac{7}{16} \cdot 2$

$\frac{7}{32}$

Hence the value of $\left[\left(5\frac{1}{4} \div 3\frac{1}{2} \times \frac{5}{12} \right) - \frac{3}{16} \right] \div \left(3\frac{4}{7} \div \frac{5}{14} \text{ of } 6\frac{2}{3} \right) \text{ of } 1\frac{1}{3}$ is $\frac{7}{32}$.

Question 5 :

A ladder 18 m long rests against a wall so that so that the angle between the ladder and the wall is 30° . How far (in m) is the base of the ladder from the wall?

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. $9\sqrt{3}$
2. 9
3. $18\sqrt{3}$
4. 18

Solution :

The correct answer is **option 2** i.e. **9**

A ladder 18 m long rests against a wall so that the angle between the ladder and the wall is 30° .

Let AB be the height of the wall AC be the length of the ladder and BC be the base distance of the ladder from the wall.

In ABC -

$$\sin 30^\circ = \frac{BC}{AC}$$

$$\frac{1}{2} = \frac{BC}{18}$$

$$2BC = 18$$

$$BC = 9$$



So, base distance = 9 m

Question 6 :

A and B entered into a partnership with investments in the ratio 3 : 5. After a few months, A withdrew and collected back his money. At the end of the year, they received profit in the ratio 2 : 5. After how many months did A withdraw?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 6
2. 7
3. 8
4. 9

Solution :

The correct answer is **option 3** i.e. **8**

Explanation:

A and B entered into a partnership with investments in the ratio 3 : 5.

Profit share ratio = 2 : 5

Let A withdraw after x months.

According to the question -

$$\frac{(3 \text{ --- } x)}{(5 \text{ --- } 12)} = \frac{2}{5}$$

$$\frac{3x}{60} = \frac{2}{5}$$

$$15x = 120$$

$$x = \frac{120}{15}$$

$$x = 8$$

Hence A withdrew his money after 8 months.

Question 7 :

If $\operatorname{cosec} A = \sec B$, where A and B are acute angles, then what is the value of (A + B)?



Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 90°
2. 0°
3. 135°
4. 45°

Solution :

The correct answer is **option 1** i.e. 90°

$$\operatorname{cosec} A = \sec B$$

$$\operatorname{cosec} A = \operatorname{cosec}(90^\circ - B)$$

$$A = (90^\circ - B)$$

$$A + B = 90^\circ$$

Question 8 :

In the following figure, AD bisects angles BAC. Find the length (in cm) of BD.

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. 4
2. 9
3. 5
4. 6

Solution :

The correct answer is **option 1** i.e. 4

AD bisects angle BAC.

Here, in PQR, PL bisects RPQ.

According to the Angle Bisector Theorem -

$$RL/LQ = PR/PQ$$



According to the concept -

$$[6/(2x - 3)] = [(x - 2)/x]$$

$$6x = 2x^2 - 4x - 3x + 6$$

$$6x = 2x^2 - 7x + 6$$

$$0 = 2x^2 - 7x + 6 - 6x$$

$$2x^2 - 13x + 6 = 0$$

$$2x^2 - 12x - x + 6 = 0$$

$$2x(x - 6) - 1(x - 6) = 0$$

$$(x - 6)(2x - 1) = 0$$

$$x = 6, 1/2$$

For $x = 1/2$ -

$$BD = 1/2 - 2 = -3/2 \text{ (As the value of a side cannot be negative)}$$

$$x = 6$$

$$BD = 6 - 2 = 4 \text{ cm}$$

Question 9 :

The following bar graph shows the total number of youth (in lakhs) and the number of employed youth (in lakhs) in 5 states A, B, C, D and E. How many youth (in lakhs) are unemployed in states B and D taken together?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 3.5
2. 4.25
3. 4.5
4. 3.25

Solution :

The correct answer is **option 1** i.e. **3.5**

The following bar graph shows the total number of youth (in lakhs) and the number of employed youth (in lakhs) in 5 states A, B, C, D, and E.



The unemployed youth in state B (in lakhs) = $8 - 7 = 1$

The unemployed youth in state D (in lakhs) = $10 - 7.5 = 2.5$

Total unemployed youth in states B and D taken together = $1 + 2.5 = 3.5$

Question 10 :

What is the sum of the number between 400 and 500 such that when they are divided by 6, 12 and 16, it leaves no remainder?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 912
2. 1024
3. 960
4. 480

Solution :

The correct answer is **option 1** i.e. **912**

We need to find the sum of numbers in the range of 400 - 500 such that they are divisible by each 6, 12, and 16.

LCM (6, 12, 16) = 48k

The required numbers will be in the form of 48k, where k is a natural number.

For k = 9

$48k = 48 \times 9 = 432$

For k = 10

$48k = 48 \times 10 = 480$

Only 432 and 480 are the number that is between 400 and 500, and also divisible by 6, 12 and 16

Sum = $432 + 480 = 912$

Question 11 :

A solid cone of radius 7 cm and height 7 cm was melted along with two solid spheres of radius 7 cm each to form a solid cylinder of radius 7 cm. What is the curved surface area (in cm²) of the cylinder? (Use $\pi = \frac{22}{7}$)

Difficulty : Moderate

Average Time : 60 Seconds

**Options :**

1. 880
2. 482
3. 924
4. 2196

Solution :

The correct answer is **Option 3** i.e. **924**.

A solid cone of radius 7 cm and height 7 cm was melted along with two solid spheres of radius 7 cm each to form a solid cylinder of radius 7 cm.

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

The volume of a cylinder = r^2h

The volume of a sphere = $\frac{4}{3}r^3$

The curved surface area of a cylinder = $2rh$ (Here, r = radius, h = height)

The volume of the cone = $\frac{1}{3} \times 7^2 \times 7 = \frac{1}{3} \times 7^3$

The volume of each sphere = $\frac{4}{3} \times 7^3$

Let the height of the formed cylinder be H

According to the question -

$$\frac{1}{3} \times 7^3 + 2 \times \frac{4}{3} \times 7^3 = \pi \times 7^2 \times H$$

$$7^3 \left(\frac{1}{3} + \frac{8}{3} \right) = \pi \times 7^2 \times H$$

$$7 \times \left(\frac{9}{3} \right) = H$$

$$7 \times 3 = H$$

$$21 = H$$

So, the height of the formed cylinder is 21 cm

The curved surface area of the cylinder

$$2 \times \frac{22}{7} \times 7 \times 21 = 924 \text{ cm}^2$$

Question 12 :

In the month of March, Dalip earned on an average Rs 501 per day. For the first 18 days, his average earning was Rs 495

and, for the last 15 days, his average earning was Rs 505. On 18th March, he earned Rs 50 more than that earned on 17th March. How much (in Rs) did he earn on 18th March?

Difficulty : Moderate

Average Time : 95 Seconds

Options :

1. 502
2. 498
3. 501
4. 500

Solution :

The correct answer is **option 1** i.e. **502**

Given:

Average earning of Dalip in March = Rs 501 per day

Average earning of Dalip for first 18 days = Rs 495 per day

Average earning of Dalip for last 15 days = Rs 505 per day

Concept Used:

Average = Sum of elements/Number of elements

Explanation:

Dalip earned on average Rs. 501 per day.

His average earning was Rs. 495 and, for the last 15 days, his average earning was Rs. 505.

Total earnings in the month of March = $501 \times 31 = 15531$

Total earning of 1st 18 days = $495 \times 18 = 8910$

Total earning of last 15 days = $505 \times 15 = 7575$

Earning of 17th and 18 March = $(8910 + 7575) - 15531 = 954$

Let he earn Rs. x on 18th March.

So, on 17th March he earned = $x - 50$

$x - 50 + x = 954$



$$2x = 1004$$

$$x = 502$$

So, he earned Rs. 502 on 18th of March.

Question 13 :

The breakup of the total number of employees of a company working in different offices (A to E), in degrees; is given in the pie chart. Total number of employees = 2400. If the percentage of male employees in office C is 20% and that of female employees in E is 40%, then what is the ratio of the numbers of female employees in E to that of female employees in C?

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

1. 5 : 4
2. 3 : 8
3. 3 : 2
4. 2 : 3

Solution :

The correct answer is **option 4** i.e. **2 : 3**

Male employees in office C = 20%

Female employees in office E = 40%

Total female employees in office C = $2400 \times (54/360) \times 80\% = 360 \times 80\% = 288$

Total female employees in office E = $2400 \times (72/360) \times 40\% = 480 \times 40\% = 192$

Ratio = $192 : 288 = 2 : 3$

Question 14 :

AB is the diameter of a circle with centre O. C and D are two points on the circle on either side of AB, such that $\angle CAB = 52^\circ$ and $\angle ABD = 47^\circ$. What is the difference (in degrees) between the measures $\angle CAD$ and $\angle CBD$?

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

1. 25
2. 15



10

4. 20

Solution :

The correct answer is **option 3** i.e. **10**

$$CAB = 52^{\circ} \text{ and } ABD = 47^{\circ}$$

The angle subtended by the diameter at any point on the circumference is equal to 90°

According to the concept -

$$ACB = ADB = 90^{\circ}$$

$$CBA = 180^{\circ} - (90^{\circ} + 52^{\circ}) = 180^{\circ} - 142^{\circ} = 38^{\circ}$$

$$BAD = 180^{\circ} - (90^{\circ} + 47^{\circ}) = 180^{\circ} - 137^{\circ} = 43^{\circ}$$

$$CAD = 52^{\circ} + 43^{\circ} = 95^{\circ}$$

$$CBD = 38^{\circ} + 47^{\circ} = 85^{\circ}$$

$$CAD - CBD = 95^{\circ} - 85^{\circ} = 10^{\circ}$$

Question 15 :

In $\triangle ABC$, the perpendiculars drawn from A, B and C meet the opposite sides at points D, E and F, respectively,. AD, BE and CF intersect at point P. If $\angle EPD = 110^{\circ}$ and the bisectors of A and B meet at point Q, then $\angle AQB = ?$

Difficulty : Moderate**Average Time : 76 Seconds****Options :**1. 110° 2. 135° 3. 125° 4. 115° **Solution :**

The correct answer is **option 3** i.e. **125°**

$$\angle EPD = 110^{\circ}$$

In $\triangle ABC$ if the angle bisector of B and C meet at a point O inside the triangle then -



$$\text{BOC} = 90^\circ + A/2$$

In the diagram -

DPEC is quadrilateral.

$$C = 360^\circ - (P + D + E)$$

$$C = 360^\circ - (110^\circ + 90^\circ + 90^\circ)$$

$$C = 360^\circ - 290^\circ = 70^\circ$$

According to the concept -

$$\text{AQB} = 90^\circ + 70/2 = 90^\circ + 35^\circ = 125^\circ$$

Question 16 :

Study the graph and answer the question that follows. What is the ratio of the total number of workers whose daily wages are less than Rs 450 to the total number of workers whose daily wages are Rs 650 and above?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

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

Solution :

The correct answer is **option 2** i.e. **6 : 7**

Total number of workers whose daily wages are less than Rs. 450 = 30

The total number of workers whose daily wages are Rs. 650 or more than Rs. 650 = 35

Required ratio = 30 : 35 = 6 : 7

Question 17 :

Select the most appropriate synonym of the given word. Livid

Difficulty : Moderate

Average Time : 38 Seconds

Options :



Closed

2. Pale

3. Furious

4. Clear

Solution :

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

The meaning of the given words is:

- **Livid:** very angry
- **Closed:** not open; shut
- **Pale:** used about a person or his/her face having skin that is light in color, often because of fear or illness
- **Furious:** very angry
- **Clear:** easy to see, hear, or understand

The most appropriate synonym for **Furious** is **Livid**.

Question 18 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. I do not / like to read / these kind / of novel.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. these kind

2. of novels

3. I do not

4. like to read

Solution :

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

- The third part of the given sentence is erroneous in nature.
- The phrase 'Kind of novels' is singular in nature.
- Whereas 'these' is used with plural nouns, and thus is erroneous in nature.
- Therefore, instead is 'these'. we should use 'this'.

The correct sentence is:



I do not like to read **this** kind of novel.

Question 19 :

Select the number from among the given options that can replace the question mark (?) in the following series. 14, 20, 34, 72, 182,?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 380
2. 580
3. 308
4. 508

Solution :

The correct answer is **option 4** i.e. **508**.

Given series: 14, 20, 34, 72, 182,?

The series follows this pattern:

So, the next term in the series is **508**.

Question 20 :

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

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. QSH
2. MPI
3. KMN
4. CEV

Solution :

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

The logic used here is:

1st letter + 2 = 2nd letter

Opposite of 2nd letter = 3rd letter

Option 1: QSH

$Q + 2 = S$

Opposite of S = H

This follows the logic.

Option 2: MPI

$M + 2 = P$

Opposite of P = K

This does not follow the logic.

Hence, **option 2** is the odd one out.

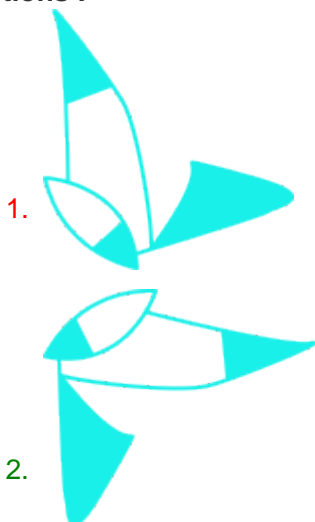
Question 21 :

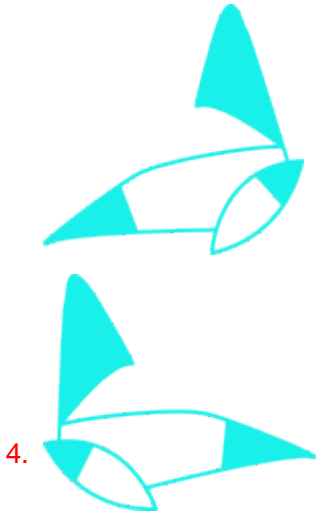
Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.

Difficulty : Moderate

Average Time : 54 Seconds

Options :



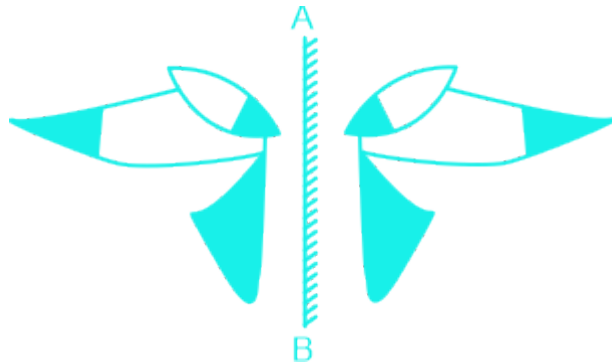


Solution :



The correct answer is **option 2**.

The mirror image of the question figure is shown below:



Since the mirror is placed right to the question figure, the right-hand side of the original image will be now the left-hand side of the mirror image.

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

Question 22 :

Select the number from among the given options that can replace the question mark (?) in the following series. 74, 101, 128, 155, ?



Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. 182
2. 198
3. 173
4. 210

Solution :

The correct answer is **option 1** i.e. **182**.

Given series: 74, 101, 128, 155, ?

The series follows this pattern:

$$74 + 27 = 101$$

$$101 + 27 = 128$$

$$128 + 27 = 155$$

$$155 + 27 = 182$$

So, the next term in the series is **182**.

Question 23 :

Which two signs should be interchanged to make the given equation correct? $13 + 15 \times 8 \div 96 - 4 = 109$

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. \div and $.$
2. $\text{and } +$
3. \times and $.$
4. $+$ and \div

Solution :

The correct answer is **option 1** i.e. \div and $.$

Given equation: $13 + 15 \times 8 \div 96 - 4 = 109$

**Option 1: ÷ and**

After interchanging the expression becomes:

$$= 13 + 15 \times 8 - 96 \div 4 = 109$$

= 109 is equal to 109.

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

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

Question 24 :

The given pie chart shows the percentage of students in five schools and the table shows the ratio of boys and girls in each school. Study the pie chart and table and answer the question that follows. The below table shows the ratio of girls and boys in the given five schools. The number of girls in school D is what percentage less than the number of boys in school B (correct to the nearest integer)?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 19%
2. 33%
3. 35%
4. 27%

Solution :

The correct answer is **option 2** i.e. **33%**

Let the total number of students in the schools be 100.

$$\text{Number of students in school D} = 100 \times 18\% = 18$$

$$\text{Number of girls in school D} = 18 \times (1/3) = 6$$

$$\text{Number of students in school B} = 100 \times 15\% = 15$$

$$\text{Number of boys in school B} = 15 \times (3/5) = 9$$

$$\text{Difference} = 9 - 6 = 3$$

$$\text{Required \%} = (3/9) \times 100 = 33.33\% \quad 33\%$$

Question 25 :

AB and CD are two chords in a circle with centre O and AD is the diameter. When produced, AB and CD meet at the point P. If $\angle DAP = 27^\circ$, $\angle APD = 35^\circ$, then what is the measure (in degrees) of $\angle DBC$?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 32

2. 30

3. 26

4. 28

Solution :

The correct answer is **option 3** i.e. **26**

AB and CD are two chords in a circle with center O and AD is a diameter.

AB and CD produced meet at a point P outside the circle.

$$\angle APD = 25^\circ$$

$$\angle DAP = 39^\circ$$

Exterior angle theorem -

An exterior angle of a triangle is equal to the sum of its two opposite non-adjacent interior angles. The angle subtended from a diameter is 90° . The opposite angles of a triangle are equal.

According to the question -

In $\triangle ADP$ -

$$\angle ADC = \angle DAP + \angle DPA$$

$$\angle ADC = 25^\circ + 39^\circ$$

$$\angle ADC = 64^\circ$$

Angles in the same segment are equal.

$$\angle ADC = \angle ABC = 64^\circ \dots(I)$$

Since AD is a diameter.

$$\text{So, } \angle ABD = 90^\circ$$



$$ABC + CBD = 90^{\circ}$$

$$64^{\circ} + CBD = 90^{\circ} \text{ [From (i)]}$$

$$CBD = 26^{\circ}$$

Question 26 :

A tyre has two punctures. The first punctures alone would have made the tyre flat in 45 minutes, and the second puncture alone would have done it in 90 minutes. If air leaks out at a constant rate, then how long (in minutes) does it take for both the punctures together to make the tyre flat?

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

1. 45
2. 40
3. 30
4. 15

Solution :

The correct answer is **option 3** i.e. **30**

The first puncture alone would have made the tyre flat in 45 minutes.

The second puncture alone would have done it in 90 minutes.

Total work = Efficiency \times time taken

Total work = LCM of 45 and 90 = 90 units

Efficiency of 1st puncture = $90/45 = 2$ units/min

Efficiency of 2nd puncture = $90/90 = 1$ unit/min

Effective efficiency of both the puncture = 3 units/min

Time taken to flat the tyre by both the puncture = $90/3 = 30$ min

Question 27 :

If a nine - digit number $485x3678y$ is divisible by 72, then for the smallest value of x , the value of $(2y - 3x)$ is:

Difficulty : Moderate**Average Time : 55 Seconds****Options :**



6

2. 11

3. 9

4. 8

Solution :

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

485x3678y is divisible by 72.

If the sum of digits of the number is divisible by 9, then the number itself is divisible by 9.

If the last three digits of a number are divisible by 8, then the number is completely divisible by 8.

$$72 = 8 \times 9$$

So, the number should be divisible by 8 and 9 both

78y should be divisible by 8.

Only possible values of $y = 4$

$$4 + 8 + 5 + x + 3 + 6 + 7 + 8 + 4 = 45 + x \text{ is divisible by } 9$$

The smallest possible value of $x = 0$

$$(2y - 3x) = (2 \times 4 - 3 \times 0) = 8 - 0 = 8$$

Question 28 :

A shopkeeper marks an article $x\%$ above the cost price and sells it by allowing 30% discount on the marked price. If there is a loss of 4.8%, then what is the value of x ?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 40

2. 35

3. 30

4. 36

Solution :

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

Discount % = 30

Loss % = 4.8

Selling price = Marked price \times (100 - discount)%

Selling price = Cost price \times (100 - loss)%

Let the cost price be 100x.

So, selling price = 100x \times (100 - 4.8)% = 100x \times 95.2% = 95.2x

According to the question -

Marked price = 95.2x \times 100/70 = 136x

Difference = 136x - 100x = 36x

Required % = (36x/100x) \times 100 = 36%

Question 29 :

If $(\frac{\sin^2 \tilde{A} - 3\sin \tilde{A} + 2}{\cos^2 \tilde{A}})$, where $0^\circ < \tilde{A} < 90^\circ$, then what is the value of $(\cos 2\tilde{\theta} - \sin 3\tilde{\theta} + \operatorname{cosec} 2\tilde{\theta})$?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. $\frac{-3+4\sqrt{3}}{6}$
2. $\frac{3-4\sqrt{3}}{6}$
3. $\frac{-3-4\sqrt{3}}{6}$
4. $\frac{3+4\sqrt{3}}{6}$

Solution :

The correct answer is **option 1** i.e. $\frac{-3+4\sqrt{3}}{6}$

$$(\sin^2 \tilde{\theta} - 3\sin \tilde{\theta} + 2) / \cos^2 \tilde{\theta} = 1$$

$$(\sin^2 \tilde{\theta} - 3\sin \tilde{\theta} + 2) = \cos^2 \tilde{\theta}$$

$$(\sin^2 \tilde{\theta} - 3\sin \tilde{\theta} + 2) = 1 - \sin^2 \tilde{\theta}$$

$$2 \sin^2 \tilde{\theta} - 3\sin \tilde{\theta} + 1 = 0$$

$$2\sin^2 \tilde{\theta} - 2\sin \tilde{\theta} - \sin \tilde{\theta} + 1 = 0$$

$$2\sin\theta((\sin\theta - 1) - 1(\sin\theta - 1)) = 0$$

$$(2\sin\theta - 1)(\sin\theta - 1) = 0$$

$$\sin\theta = 1, \quad \sin\theta = 1/2$$

$$\theta = 90^\circ \text{ (Not possible), } \theta = 30^\circ$$

$$\cos 2\theta - \sin 3\theta + \operatorname{cosec} 2\theta = \cos 60^\circ - \sin 90^\circ + \operatorname{cosec} 60^\circ$$

$$= 1/2 - 1 + (2/3)(3/3)$$

$$= -1/2 + 2/3$$

$$= (-3 + 4)/6$$

Question 30 :

Two trains are running on parallel tracks in the same direction at the speed of 80 km/h and 90 km/h, respectively. The trains crossed each other in 3 minutes. If the length of one train is 230 m, then what is the length (in m) of the other train?

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

1. 250
2. 270
3. 300
4. 230

Solution :

The correct answer is **option 2** i.e. **270**

Given:

Speed of two trains are 80 km/hr and 90 km/hr.

Time = 3 minutes

Concept Used:

Time = Distance/speed

Relative speed = When two bodies move in the same direction then their relative speed of them will be different from the individual speed

Explanation:

The relative speed of the trains = $90 - 80 = 10$ km/h

Speed in m/sec = $10 \times (5/18) = 25/9$

Let the length of the other train be x m.

$$[(230 + x)/(25/9)] = 180$$

$$(230 + x) = 180 \times (25/9)$$

$$230 + x = 500$$

$$x = 270$$

Hence the length of the other train is 270 m.

Question 31 :

If $a^2 + b^2 = 65$ and $ab = 8$, $a > b > 0$, then find the value of $a^2 - b^2$.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 63

2. 60

3. 65

4. 72

Solution :

The correct answer is **option 1** i.e. **63**

$$a^2 + b^2 = 65 \text{ and } ab = 8$$

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

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

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

$$a^2 + b^2 + 2ab = 65 + 16$$

$$(a + b)^2 = 81$$

$$(a + b) = 9$$

Again,



$$a^2 + b^2 - 2ab = 65 - 16$$

$$(a - b)^2 = 49$$

$$(a - b) = 7$$

$$a^2 - b^2 = 9 \times 7 = 63$$

Question 32 :

A person's salary was increased by 50% and subsequently decreased by 50%. How much percentage does he lose or gain?

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

1. Gain of 20%
2. Loss of 30%
3. Loss of 25%
4. Gain of 50%

Solution :

The correct answer is **option 3** i.e. **Loss of 25%**

Given:

A person's salary was increased by 50% and subsequently decreased by 50%.

Concept Used:

Decrease in salary = Original salary - Final salary

Explanation:

Let the original salary be Rs.100.

According to the question -

New salary = $100 + 50\%$ of $100 = \text{Rs.}150$

The salary was decreased by 50%.

Final salary = $150 - 50\%$ of $150 = 75$

Decrease in salary = $100 - 75 = 25$

Required percentage = $\left(\frac{25}{100}\right) \times 100 = 25\%$

Hence his loss is 25%.

Question 33 :

Introducing Reshma to a guest, a lady, Karishma, said, "She is the daughter of my father-in-law's daughter". How is Reshma related to Karishma?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

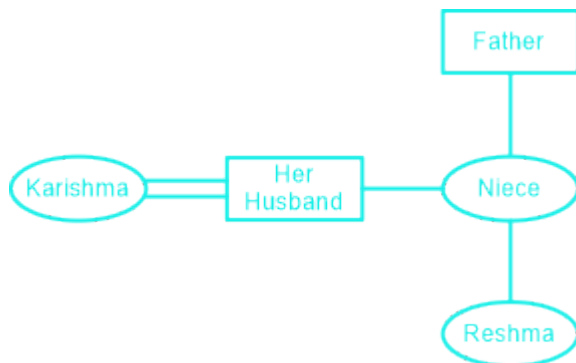
1. Cousin
2. sister-in-law
3. Niece
4. Sister

Solution :

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

In the diagram shown;

Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters, and double lines show a couple.



From the figure, Reshma is the niece of Karishma.

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

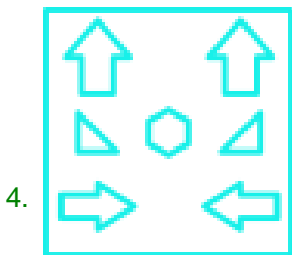
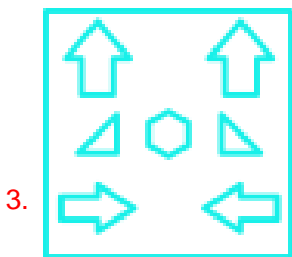
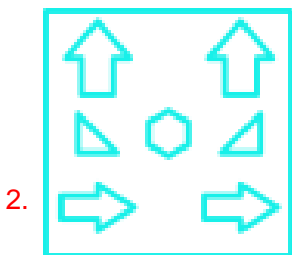
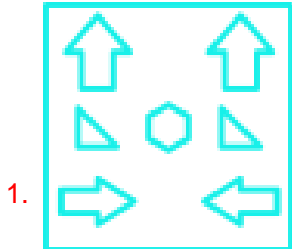
Question 34 :

The sequence of folding a piece of paper (figure i) and the manner in which the folded paper has been cut (figure ii) is shown in the following figures. Select the option that would most closely resemble the unfolded form of a figure (ii).

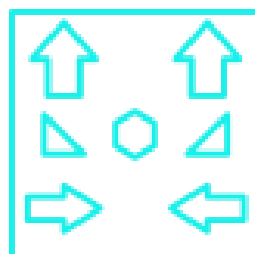
Difficulty : Moderate

Average Time : 59 Seconds

Options :

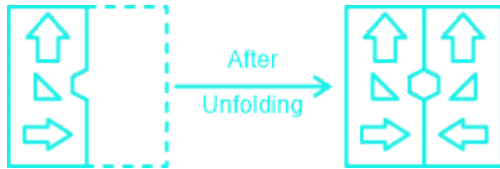


Solution :



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

After unfolding, the paper will appear as follows:

**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. Dance as an artistic form of (1) _____ is extremely old. Evidence of dance as a (2) _____ form is available in ancient literary texts, painting and sculpture. (3) _____ of the dance forms trace their roots to the (4) _____ of movement codified in the Natya Shastra (5) _____ by Bharat Muni.

Question 35 :

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

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. succession
2. expression
3. suggestion
4. impression

Solution :

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

The meaning of the given words is:

- **Succession:** a number of people or things of a similar kind following one after the other.
- **Expression:** the action of making known one's thoughts or feelings.
- **Suggestion:** an idea or plan put forward for consideration.
- **Impression:** an imitation of a person or thing, done to entertain.

The correct sentence is:

*Dance as an artistic form of **expression** is extremely old.*

Question 36 :

Select the option that is related to the third number in the same way as the second number is associated with the first number. 13: 1728:: 17:?



5 LAKH+ STUDENTS
Already enrolled with our selection focused courses.



30+ EXPERT INSTRUCTORS
Our instructors are the best in the industry



10000+ HOURS OF VIDEOS
All videos are well-explained for you to get every bit out of the videos

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 2043
2. 3218
3. 1928

Solution :

The correct answer is **option 3** i.e. **4096**.

The logic used here is:

13: 1728

$$(13 - 1)^3 = 12^3 = 1728$$

Similarly,

17:?

$$(17 - 1)^3 = 16^3 = 4096$$

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

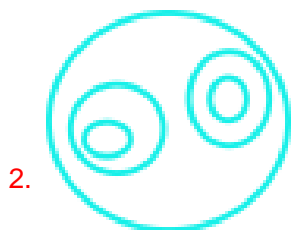
Question 37 :

Select the Venn diagram that best represents the relationship between the following. Infectious diseases, Deficiency diseases, Goitre, Rickets, Chickenpox

Difficulty : Moderate

Average Time : 42 Seconds

Options :



3.

Page No: 30

Follow us on



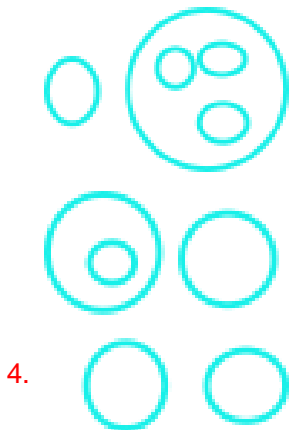
Address : 1997, Mukherjee Nagar, 110009

Email : online@kdcampus.org

Call : +91 95551 08888

Download the App



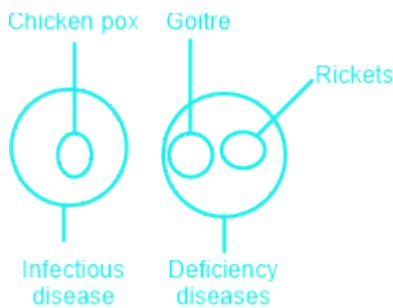


Solution :

The correct answer is **option 1**



The possible Venn diagram is:



All chicken pox is an infectious disease. All goitre and rickets are deficiency diseases.

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

Question 38 :

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: Some spades are knives. All knives are rakes. Conclusions: I. Some knives are spades. II. Some rakes are knives.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. Only conclusion II follows.

Neither conclusion I nor II follows.

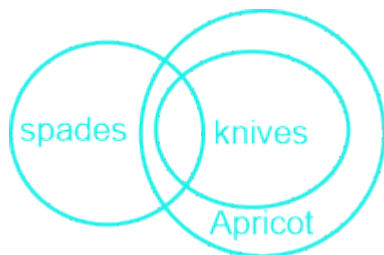
3. Both conclusions I and II follow.

4. Only conclusion I follows.

Solution :

The correct answer is **option 3** i.e. **Both conclusions I and II follow.**

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



Conclusions:

- I. Some knives are spades **True** (As some spades are knives, so the reverse is also true i.e. some knives are spades.)
- II. Some rakes are knives **True** (As all knives are rakes, so some rakes are knives is also true.)

Hence, **Both conclusions I and II follow.**

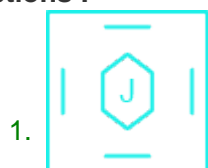
Question 39 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :



3.



Solution :



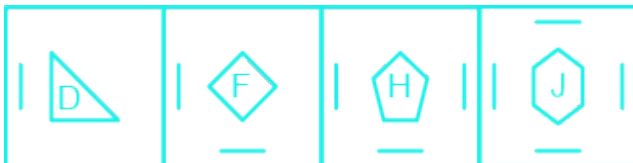
The correct answer is **option 1**.

The logic used here is:

1. The number of lines increases by one in the next figure.
2. The number of sides in each figure increases by one.
3. The pattern for the alphabet;

$$D + 2 = F; F + 2 = H; H + 2 = J$$

The series of figures:



Question 40 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. CLAY, DIFX, EFKW, FCPV, ?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. GZUU
2. HUZT

HZUW

4. GUZU

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

Given series: CLAY, DIFX, EFKW, FCPV, ?

The series follows this pattern:

CLAY, DIFX

$$C + 1 = D$$

$$L - 3 = I$$

$$A + 5 = F$$

$$Y - 1 = X$$

Similarly;

FCPV, ?

$$F + 1 = G$$

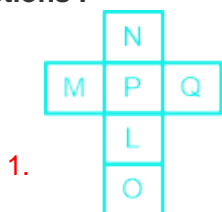
$$C - 3 = Z$$

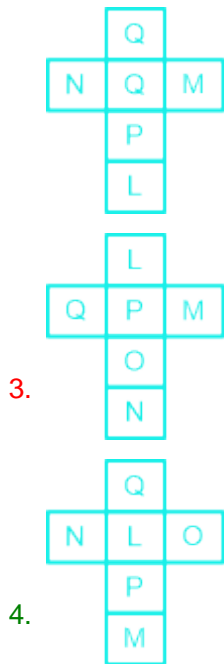
$$P + 5 = U$$

$$V - 1 = U$$

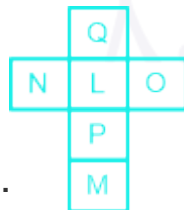
So, the next term in the series is **GZUU**.**Question 41 :**

Two orientations of the same box are shown. How will this box look when unfolded?

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



Solution :



The correct answer is **option 4** .

In the first and second dice, N and P are common. So, the rest of the faces are opposite to each other.

So, L is opposite to M, and N and P are adjacent to each other.

In options 1; 2, and 3 L and M are not opposite to each other.

In option 4; L and M are opposite to each other and N and P are adjacent to each other.

When the box is unfolded it would look like option 4.

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

Question 42 :

Which two numbers (NOT digits) need to be interchanged to make the following equation correct? $8 + 48 \div 12 \times 5 - 13 = 29$



Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. 8 and 5
2. 12 and 13
3. 8 and 12
4. 13 and 8

Solution :

The correct answer is **option 3** i.e. **8 and 12**.

Given equation: $8 + 48 \div 12 \times 5 - 13 = 29$

Option 1: 8 and 5

After interchanging the expression becomes:

$$= 5 + 48 \div 12 \times 8 - 13 = 29$$

= 24 is not equal to 29.

Option 2: 12 and 13

After interchanging the expression becomes:

$$= 8 + 48 \div 13 \times 5 - 12 = 29$$

= 14.46 is not equal to 29.

Option 3: 8 and 12

After interchanging the expression becomes:

$$= 12 + 48 \div 8 \times 5 - 13 = 29$$

= 29 is equal to 29.

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

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

Question 43 :

Who among the following was named sportsman of the decade (Individual non-Olympic sports) at the 2021 Sportstar ACES Awards?



Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Viswanathan Anand
2. Vidit Santosh Gujrathi
3. Baskaran Adhiban
4. Pentala Harikrishna

Solution :

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

- **Viswanathan Anand** was named sportsman of the decade (Individual non-Olympic sports) at the 2021 Sportstar ACES Awards.
- He is an Indian chess grandmaster and a former five-time World Chess Champion. He became the **first grandmaster** from India in **1988**, and is one of the few players to have surpassed an Elo rating of 2800, a feat he first achieved in 2006.
- He was the first recipient of the **Rajiv Gandhi Khel Ratna Award** in 1991-92, India's highest sporting honour.
- In 2007, he was awarded India's second-highest civilian award, the **Padma Vibhushan**, making him the first sportsperson to receive the award.

Question 44 :

Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it. 12 36 60 72 3 4 63 4 12 98 ? 15 12 9 14

Difficulty : Moderate

Average Time : 70 Seconds

Options :

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

Solution :

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

Question 45 :

Three different positions of the same dice are shown. Select the letter that will be on the face opposite to the face having

the letter 'C'.

Difficulty : Moderate

Average Time : 33 Seconds

Options :

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

Solution :

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

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

Clockwise direction:

Dice 2: E B C

Dice 3: E A D

So, C is opposite to D.

Anticlockwise direction:

Dice 2: E C B

Dice 3: E D A

So, C is opposite to D.

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

Question 46 :

If 80% of a number is 768, what will be 40% of 5% of that number?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 16.4
2. 13.5
3. 20.6

19.2

Solution :

The correct answer is **option 4** i.e. **19.2**.

Let the number be x .

According to the question;

$$80\% \text{ of } x = 768$$

$$x = 960$$

Then;

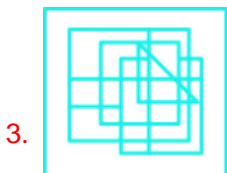
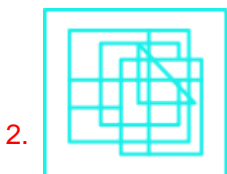
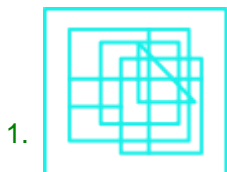
40% of 5% of that number

$$= 40\% \text{ of } 5\% \text{ of } 960$$

$$= 19.2$$

Question 47 :

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

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

4.



Solution :



The correct answer is **option 1**.

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



Question 48 :

In a certain code language, 'BLUES' is written as 'HVFOY'. How will 'FORCED' be written in that language?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. ULIXVW
2. WVXILU
3. XVWLIU
4. WVXJKU

Solution :

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

The logic used here is:

'BLUES' is written as 'HVFOY'

First, reverse the given word.



BLUES = SEULB

Opposite of S = H

Opposite of E = V

Opposite of U = F

Opposite of L = O

Opposite of B = Y

Similarly;

Code for the word FORCED:

FORCED = DECROF

Opposite of D = W

Opposite of E = V

Opposite of C = X

Opposite of R = I

Opposite of O = L

Opposite of F = U

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

Question 49 :

Four friends, H, I, J, and K, are sitting at the four corners of a square facing towards the centre. H and J are sitting at diagonally opposite corners. I is sitting to the immediate left of H. Who is sitting to the immediate right of J?

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. J

2. I

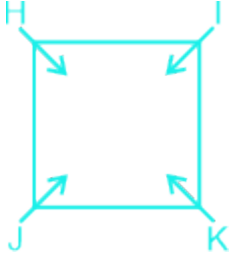
3. K

4. H

Solution :

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

According to the question, the arrangement is as follows:



From the above arrangement, I is sitting to the immediate right of J.

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

Question 50 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Malice 2. Malignant 3. Mallows 4. Malfunction 5. Malware

Difficulty : Moderate

Average Time : 50 Seconds

Options :

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

Solution :

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

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

1. Malfunction
2. Malice
3. Malignant
4. Mallows
5. Malware

Question 51 :



Select the option that is related to the third letter cluster in the same way as the second letter-cluster is associated with the first letter cluster. GTQ: JVP:: SDK:?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. VFJ
2. UEK
3. VGK
4. UGF

Solution :

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

The logic used here is:

GTQ: JVP

G + 3 = J

T + 2 = V

Q - 1 = P

Similarly,

SDK:?

S + 3 = V

D + 2 = F

K - 1 = J

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

Question 52 :

In a certain code, 'Tim Dim Kim' means 'India Is Big', and 'Dim Gim Kim Se Rim' means 'Tiger Is A Big Cat'. Which of the following is the code for 'India'?

Difficulty : Moderate

Average Time : 53 Seconds

Options :



Km

2. Tim

3. Dim

4. Gim

Solution :

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

The logic used here is:

'Tim Dim Kim' means 'India Is Big', and 'Dim Gim Kim Se Rim' means 'Tiger Is A Big Cat'

Code for the word Dim Kim = is/big

Code for the word Tim = India

Hence, the code for the word Tim = India

Question 53 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. I
M M _ _ I L E I _ _ O B I _ _ I M M O _ _ L E

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. BOMLMEIB

2. BOLMLIEB

3. OBMMLEBI

4. OBLMLBIE

Solution :

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

The sequence is – OBMMLEBI

Given sequence: I M M _ _ I L E I _ _ O B I _ _ I M M O _ _ L E

Option 1: BOMLMEIB

I M M **B** O I L E I M L O B I M E I M M O I B L E



Option 1 does not form a particular pattern.

Option 2: BOLMLIEB

I M M B O I L E I L M O B I L I I M M O E B L E

Option 2 does not form a particular pattern.

Option 3: OBMMLEBI

I M M O B I L E / I M M O B I L E / I M M O B I L E

Option 3 forms a particular pattern.

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

Question 54 :

In a certain code language, 'MOHAN' is coded as 39-45-24-3-42 and 'KABIR' is coded as 33-3-6-27-54. How will 'RAGHU' be coded in that language?

Difficulty : Moderate

Average Time : 87 Seconds

Options :

1. 54-2-21-16-42
2. 36-2-14-24-42
3. 54-3-21-24-63
4. 36-3-14-16-63

Solution :

The correct answer is **option 3** i.e. **54-3-21-24-63**.

The logic used here is:

'MOHAN' is coded as 39-45-24-3-42 and 'KABIR' is coded as 33-3-6-27-54

$$M = 13 \times 3 = 39$$

$$O = 15 \times 3 = 45$$

$$H = 7 \times 3 = 21$$

$$A = 1 \times 3 = 3$$

$$N = 14 \times 3 = 42$$



$$K = 11 \times 3 = 33$$

$$A = 1 \times 3 = 3$$

$$B = 2 \times 3 = 6$$

$$I = 9 \times 3 = 27$$

$$R = 18 \times 3 = 54$$

Similarly;

Code for the word RAGHU:

$$R = 18 \times 3 = 54$$

$$A = 1 \times 3 = 3$$

$$G = 7 \times 3 = 21$$

$$H = 8 \times 3 = 24$$

$$U = 21 \times 3 = 63$$

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

Question 55 :

Colloidal systems – such as gum, starch, proteins, cellulose, agar and gelatine – when placed in water, will absorb a large volume of water and swell up. These substances are called _____.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. imbibants
2. combustibles
3. apoplasts
4. porins

Solution :

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

- Colloidal systems such as gum, starch, proteins, cellulose, agar and gelatine when placed in water, will absorb a large volume of water and swell up. These substances are called **imbibants**.



The complex nature of the living substance in the cell, the protoplasm, is due to its physico-chemical properties. Protoplasm is predominantly composed of substances in the colloidal state and certainly it is to these colloidal systems that it owes much of its characteristic properties—variation in viscosity from values not greater than that of pure water to those of jellies, pronounced capacity for imbibition of water, though itself high in water content sometimes behaving as if immiscible with water, properties of irreversible coagulation at very high or low temperatures or at high concentration of salts, etc.

Question 56 :

_____, the world's first sailing boat made entirely from plastic waste, aims to raise people's awareness of plastic pollution in oceans.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Triptropi
2. Blipblopi
3. Snipsnopi

Solution :

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

- **FlipFlopi**, the world's first sailing boat made entirely from plastic waste, aims to raise people's awareness of plastic pollution in oceans.
- The **FlipFlopi** is a first-of-its-kind, 9-metre sailing boat made from 10 tonnes of discarded plastic collected from beaches and towns on the Kenyan coast. It has been built by a team calling for a plastic revolution to stem the flow of up to 12 million tons of plastic waste dumped into the world's oceans each year and to highlight the potential for plastic waste to be re-used.

Question 57 :

The Directive Principles of State Policy in the Constitution of India were borrowed from the _____ Constitution.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Norwegian
2. Australian
3. Spanish
4. Irish

**Solution :**

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

- The Directive Principles of State Policy in the Constitution of India were borrowed from the Irish Constitution.
- The Directive Principles of State Policy are an 'instrument of instructions' which are enumerated in the Government of India Act, 1935.
- They seek to establish economic and social democracy in the country and are non-justiciable which means they are not enforceable by any court for their violation.

Question 58 :

Which of the following countries hosted the ITTF (International Table Tennis Federation) Women's World Cup 2020?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

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

Solution :

the correct answer is **option 4** i.e. **China**

- **China** hosted the ITTF (International Table Tennis Federation) Women's World Cup 2020.
- It was held from 8 to 10 November 2020. It was the 24th edition of the ITTF-sanctioned event.

Question 59 :

Which of the following is NOT a type of mosquito?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Aedes
2. helesAnop
3. Culex
4. Limulus

Solution :



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

- **Limulus** is NOT a type of mosquito.
- **Limulus** commonly known as king-crab is a marine arthropod found burrowing in sand along Atlantic coast.
- Its body comprised of an anterior cephalothorax or prosoma and a posterior-opisthosoma.
- It is regarded as a living fossil and feeds on worms and bivalved molluscs.

Question 60 :

The ancient city of Champa is believed to be the capital of _____ Mahajanapada.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Kashi
2. Matsya
3. Anga
4. Vajji

Solution :

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

- The ancient city of Champa is believed to be the capital of **Anga** Mahajanapada.
- The Mahajanapadas were 16 kingdoms that existed in ancient India from the 7th to the 4th centuries BCE.

Question 61 :

Gulzar was awarded the 66th Filmfare Award for 'Best Lyrics' for the film _____.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Thappad
2. Ludo
3. Chhapaak
4. Sir

Solution :

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



Gulzar was awarded the 66th Filmfare Award for 'Best Lyrics' for the film **Chhapaak**.

- **Chhapaak** is a 2020 Indian biographical drama film based on the life of acid attack survivor Laxmi Agarwal. It was directed by Meghna Gulzar, which stars Deepika Padukone in leading role of a character inspired by Agarwal alongside Vikrant Massey and Madhurjeet Sarghi.

Question 62 :

According to the Central Ground Water Board, BIS (IS_10500 and revised module IS 10500:2012) specifications in Uniform Drinking Water Quality Monitoring Protocol, what is the acceptable pH value of drinking water specification in India?

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

1. 6.5 - 8.5
2. 4.5 - 9.5
3. 5.5 - 7.5
4. 3.5 - 5.5

Solution :

The correct answer is **option 1** i.e. **6.5 - 8.5**

- According to the Central Ground Water Board, BIS (IS_10500 and revised module IS 10500:2012) specifications in Uniform Drinking Water Quality Monitoring Protocol, the acceptable pH value of drinking water specification in India is **6.5-8.5**.
- This standard has two limits i.e. acceptable limits and permissible limits in the absence of an alternate source. If any parameter exceeds the limit, the water is considered unfit for human consumption.
- In broad terms, if the water is bacteriology contaminated (E-coli and viruses etc), or if chemical contamination exceeds maximum permissible limits, the BIS considers that water unfit for drinking.

Question 63 :

Which of the following decades was proclaimed by the General Assembly of the United Nations as the International Decade for action on 'Water for life'?

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

1. 1972 - 1982



1983 - 1993

3. 2005 - 2015

4. 1994 - 2004

Solution :

The correct answer is **option 3** i.e. **2005 - 2015**

- The period **2005-2015** was proclaimed by the General Assembly of the United Nations as the International Decade for action on 'Water for life'.
- The primary goal of the 'Water for Life' Decade was to promote efforts to fulfil international commitments made on water and water-related issues by 2015.

Question 64 :

Normally, there is a _____ day interval between spring tides and neap tides.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. seven
2. two
3. four
4. nine

Solution :

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

- Normally, there is a **seven** day interval between spring tides and neap tides
- Neap Tides refers to a period of moderate tides. It takes place when the moon and sun are at right-angles to each other.
- The effect of this alignment is that there is less difference between high and low water which means that on a neap tide, the water does not rise or fall to its usual heights. A high tide will be less high and a low tide will be less low, decreasing the difference between them.

Question 65 :

The 61st Amendment to the Constitution of India _____.



Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. exempted Arunachal Pradesh from reservation for Scheduled Castes in Panchayati Raj institutions
2. restricted the size of council of ministers to 15% of the number of legislative members
3. reduced the age for voting from 21 to 18 years
4. substituted 'Odia' for 'Oriya'

Solution :

The correct answer is **option 3** i.e. **reduced the age for voting from 21 to 18 years**

- The 61st Amendment to the Constitution of India **reduced the age for voting from 21 to 18 years** for the Lok Sabha and state legislative assemblies.

Question 66 :

Mridula Sinha, who passed away in November 2020, was the first woman Governor of _____.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Haryana
2. Tripura
3. Mizoram
4. Goa

Solution :

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

- Mridula Sinha, who passed away in November 2020, was the first woman Governor of **Goa**.
- She was an Indian writer and politician who served as the **17th** Governor of Goa from **August 2014-October 2019**.
- She was also a former president of BJP Mahila Morcha. She was awarded India's fourth highest civilian award the Padma Shri posthumously in 2021.

Question 67 :

The Ghoom Monastery is located in:



Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Namchi
2. Gangtok
3. Kalimpong
4. Darjeeling

Solution :

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

- The Ghoom Monastery is located in **Darjeeling**.
- It was built by the Mongolian astrologer and monk **Lama Sherab Gyatso** in **1850**. He was the first head of the monastery and continued his tenure until 1905.
- The Monastery belongs to the **Yellow Hat** or **Gelupka**. One of the key attractions inside the monastery is the 15-foot model of the Lord Buddha known as '**The Maitreya Buddha**' or the '**Gyalwa Shampa**' which means the '**Buddha of the future**' or '**the Coming Buddha**'.

Question 68 :

As per World Justice Project 2020, what is India's rank in Regulatory Enforcement as cited in Economic Survey of India 2021?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 74
2. 56
3. 62
4. 79

Solution :

The correct answer is **option 1** i.e. **74**

- As per World Justice Project 2020, India ranks **74** in Regulatory Enforcement as cited in Economic Survey of India 2021.
- The Rule of Law Index is a quantitative assessment tool developed by the World Justice Project (WJP) that aims to



provide a detailed and comprehensive picture of the extent to which countries practice the rule of law. It ranks the countries based on scores ranging from 0 to 1, with 1 indicating the strongest adherence to the rule of law.

- Denmark, Norway and Finland topped the World Justice Project's (WJP) Rule of Law Index 2021.

Question 69 :

Who among the following Indian freedom fighters was fondly called Gandhi Buri (Old Lady Gandhi) for her dedication towards Gandhian principles?

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

1. Dakshayani Velayudhan
2. Kamla Chaudhary
3. Leela Roy
4. Matangini Hazra

Solution :

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

- **Matangiri Hazra** was called Gandhi Buri (Old Lady Gandhi) for her dedication towards Gandhian principles.
- She was an Indian revolutionary who participated in the Indian independence movement until she was shot dead by the British Indian police in front of the Tamluk Police Station on 29 September, 1942.

Question 70 :

Finance Minister Nirmala Sitharaman announced the setting up of _____ mega textile parks across the country over three years, in her Budget 2021-22 speech.

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

1. three
2. seven
3. nine
4. five

Solution :

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



Finance Minister Nirmala Sitharaman announced the setting up of **seven** mega textile parks across the country over three years, in her Budget 2021-22 speech.

- It aims to position India as a fully integrated, globally competitive manufacturing and exporting hub. The parks are targeted to have uninterrupted water and power supply, common utilities and research and development labs.

Question 71 :

Which of the following is the middle layer in the root apical meristem that gives rise to the cortex?

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

1. Calyptrogen
2. Periblem
3. Plerome
4. Dermatogen

Solution :

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

- **Periblem** is the middle layer in the root apical meristem that gives rise to the cortex.
- According to Histogen Theory, proposed by Hanstein, the shoot apex does not comprise a single apical cell or a group of meristematic cells that are responsible for the development of the whole plant body.
- The apical meristem consists of three distinct zones of meristematic cells called Histogens. They are:
 1. Dermatogen- It is the outermost layer and gives rise to the epidermis.
 2. **Periblem**- It is the middle layer present below the dermatogen that gives rise to cortex and endodermis.
 3. Plerome- It is the inner core that gives rise to vascular tissues and pith.

Question 72 :

Which of the following is the horizontal distance between two successive crests?

Difficulty : Moderate**Average Time : 66 Seconds****Options :**

1. Wave length
2. Wave frequency
3. Wave height
4. Wave period

**Solution :**

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

- The horizontal distance between two successive crests or troughs is known as the **wavelength**.
- Waves are formed by energy passing through water, resulting it to move in a circular motion. The highest surface part of a wave is called the crest, and the lowest part is the trough.

Question 73 :

As per the provisions of Union Budget 2021-22, how many public sector banks have been lined up for disinvestment?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Five
2. Seven
3. Two
4. Three

Solution :

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

- As per the provisions of Union Budget 2021-22, **two** sector banks and one general insurance company have been lined up for disinvestment.
- The government will introduce legislative amendments to privatise these banks. Of the Rs 1.75 trillion divestment target set for the next fiscal, the government expects Rs 1 trillion to come from divestment of its stake in PSBs and financial institutions.

Question 74 :

Which of the following British officers issued the infamous 'crawling order' whereby Indians had to crawl on all fours to pass an alley?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Warren Hastings
2. General Dyer
3. Lord Curzon



Lord Irwin

Solution :

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

- **General Dyer** issued the infamous 'crawling order' after six days of the Jallianwala Bagh massacre on **april 19, 1919**. It became effective for a week which required Indians to crawl on all fours to pass an alley.

Question 75 :

A distinct 'Dhrupad style' is associated with the _____ gharana.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Bishnupur
2. Jafferkhani
3. Nathdwara
4. Ajrada

Solution :

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

- A distinct 'Dhrupad style' is associated with the **Bishnupur** gharana.
- Dhrupad is a genre in Hindustani classical music from the Indian subcontinent.
- It is the oldest known style of major vocal styles associated with Hindustani classical music, Haveli Sangeet of Pushtimarg Sampraday and also related to the South Indian Carnatic tradition.

Question 76 :

The Hindu Marriage Act was enacted in the year _____.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 1952
2. 1956
3. 1955
4. 1953

Solution :

The correct answer is **option 3** i.e. **1955**

- The Hindu Marriage Act was enacted in the year **1955**.
- The main purpose of the law is to amend and codify the law relating to marriage between Hindus and others. In addition to amending and codifying the Sastrik law, separation and divorce were also included, which is also in the Sastrik law. This enactment brought uniformity of law for all sections of Hindus. In India there are religion-specific civil codes that separately govern adherents of certain other religions.

Question 77 :

Which of the following statements is/are correct? I. Gandhi Peace Prize is an annual award instituted by the Government of India in 1995. II. The award is open to all persons regardless of nationality, race, language, caste, creed or sex. III. The Gandhi Peace Prize for the year 2020 was conferred on Bangabandhu Sheikh Mujibur Rahman.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. I, II and III
2. Only III
3. Only I and II
4. Only I

Solution :

The correct answer is **option 1** i.e. **I, II and III**.

1. The Government of India launched the International Gandhi Peace Prize in 1995 on the occasion of the 125th birth anniversary of Mohandas Gandhi.
2. It is an annual award given to individuals and institutions for their contributions towards social, economic and political transformation through non-violence and other Gandhian methods.
3. The award is open to all persons regardless of nationality, race, language, caste, creed or sex.
4. The Gandhi Peace Prize for the year 2020 is being conferred on Bangabandhu Sheikh Mujibur Rahman.

Question 78 :

Which of the following is NOT a broad mitigation technique of landslide?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Construction of retention wall to stop land from slipping



Hazard mapping to locate areas prone to landslides

3. Reduction in the vegetation cover to arrest landslide

4. The surface drainage control works to control the movement of landslide along with rain water and spring flows.

Solution :

The correct answer is **option 3** i.e. **Reduction in the vegetation cover to arrest landslide**

- **Reduction in the vegetation cover to arrest landslide** is not a broad mitigation technique of landslide.
- Landslides pose a recurrent hazard to human life and livelihood in most parts of the world, especially in some regions that have experienced rapid population and economic growth.
- Methods for mitigation of Landslides:
 - Hazard mapping locate areas prone to landslides. Such areas can be avoided for building settlements.
 - Construction of retention wall to stop land from slipping.
 - Increase in the vegetation cover is an effective way to arrest landslide.
 - Ensuring that surface drainage control works to control the movement of landslide along with rain water and spring flows.

Question 79 :

Select the most appropriate meaning of the given idiom. Feast one's eyes on

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Prepare a rare delicacy
2. Arrange a delicious meal
3. Notice something alarming
4. Gaze at something with pleasure

Solution :

The correct answer is **option 4** i.e. **Gaze at something with pleasure**

- The meaning of the given idiom, "**Feast one's eyes on**" is "**with great pleasure**".

Thus, the most appropriate choice among the given options is **Gaze at something with pleasure**.

Question 80 :

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



a shop that sells cut flowers and plants

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Hawker
2. Florist
3. Vendor
4. Dealer

Solution :

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

The meaning of the given words is:

- **Hawker:** a person who travels about selling goods, typically advertising them by shouting.
- **Florist:** a person who sells and arranges cut flowers.
- **Vendor:** a person or company offering something for sale, especially a trader in the street.
- **Dealer:** a person who buys and sells goods.

The most appropriate one-word substitution for the given set of words is **Florist**.

Question 81 :

Select the most appropriate option to fill in the blank. Can you arrange for the consignment _____ delivered on Monday?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. is
2. to be
3. for being
4. being

**Solution :**

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

- Always remember that in an interrogative sentence, where requests are being made. With modal (can), we always use the verb "to be".
- The most appropriate filler for the given blank is "to be".

The correct sentence is:

*Can you arrange for the consignment **to be** delivered on Monday?*

Question 82 :

The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. Vivek should be excited / on the promotion / he's got.

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

1. No error
2. Vivek should be excited
3. he's got
4. on the promotion

Solution :

The correct answer is **option 4** i.e. **on the promotion**

- The second part of the given sentence is erroneous in nature.
- There is a wrong use of the preposition 'on'.
- The preposition 'on' is used to point to something specific.
- the Whereas preposition 'about' is used for something generic.
- The most appropriate preposition to be used is **about**.

The correct sentence is:

*Vivek should be excited **about** the promotion he's got.*

Question 83 :

Select the option that expresses the given sentence in indirect speech. He said to me, "Do you own this beautiful car?"

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. He asked me that if you owned this beautiful car
2. He asked me if I owned that beautiful car.
3. He asked to me if you own that beautiful car.
4. He asked me did I own that beautiful car

Solution :

The correct answer is **option 2** i.e. **He asked me if I owned that beautiful car.**

- The given sentence is interrogative in nature.
- The reported speech will begin with **If** or **whether**,
- The reporting verb '**said**' is changed into '**asked**' or '**enquired**'.
- The tense of the given sentence will change from '**present tense**' to '**past tense**'
- Thus, **own** will be replaced with **owned**.
- The second person '**you**' will be changed into '**I**'.

The correct form of indirect speech is:

He asked me if I owned that beautiful car.

Question 84 :

Select the option that expresses the given sentence in passive voice. She is looking after the old ladies with great affection.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. The old ladies are looked after with great affection.
2. The old ladies were looked after with great affection.
3. The old ladies are being looked after with great affection.
4. She is looked after with great affection by the old ladies.

Solution :

- The correct answer is **option 3** i.e. **The old ladies are being looked after with great affection.**



The correct structure of the given passive voice is: Objective case (Subject) + to be (is) + being + past participle + by Object (Subjective Case)

- **The correct structure of the active voice is:** Subject + to be (is) + present participle + Object
 - **Is looking** will be replaced with **are being looked**.
 - In passive voice, the agent may be omitted because they are implied or unimportant. But in the active voice, it should be included.

The correct active voice sentence is:

The old ladies are being looked after with great affection.

Question 85 :

Select the most appropriate ANTONYM of the given word. Refined

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Miserly
2. Crude
3. Precise
4. Genteel

Solution :

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

The meaning of the given words is:

- **Refined:** having very good manners
- **Miserly:** nature of someone who hates to spend it.
- **Crude:** simple and basic, without much detail, skill, etc.
- **Precise:** clear and accurate
- **Genteel:** behaving in a very polite way, often in order to make people think that you are from a high social class

The most appropriate antonym for 'Refined' is 'Crude'.

Question 86 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

Alphabet

2. Allotted

3. Altarnate

4. Allergic

Solution :

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

The meaning and correct spelling of the given words is:

- **Alphabet:** a set of letters in a fixed order that you use when you are writing a language
- **Allotted:** to give a share of work, time, etc. to somebody/something
- **Alternate:** one of every two
- **Allergic:** having an allergy

Question 87 :

Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement'. You are so far the bright student in the class.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. No improvement
2. so far most bright
3. by so far the brighter
4. by far the brightest

Solution :

The correct answer is **option 4** i.e. **by far the brightest**.

- The underlined part of the sentence is erroneous.
- The given sentence requires a superlative adjective since the subject is being compared to a group of objects.
- Therefore, instead of 'bright', we should be using 'brightest'.

The correct sentence is:

You are so far the brightest student in the class.

Question 88 :

Select the most appropriate ANTONYM of the given word. Proclaim

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Announce
2. Conceal
3. Exhibit
4. Evince

Solution :

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

- **Proclaim:** to make something known officially or publicly.
- **Announce:** to make something known publicly and officially.
- **Conceal:** to prevent something/somebody from being seen or discovered.
- **Exhibit:** an object that is shown in a museum, etc. or as a piece of evidence in a court of law.
- **Evince:** reveal the presence of a quality or feeling; indicate.

The most appropriate antonym for '**proclaim**' is '**conceal**.'

Question 89 :

Select the most appropriate synonym of the given word. Amusement

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Despair
2. Pleasure
3. Gloom
4. Boredom

Solution :

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

The meaning of the given words is:



Amusement: something that makes time pass pleasantly; an entertainment

- **Despair:** the state of having lost all hope
- **Pleasure:** the feeling of being happy or satisfied
- **Gloom:** a feeling of being sad and without hope
- **Boredom:** the state of being bored

The most appropriate synonym for **Amusement** is **Pleasure**.

Question 90 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Shall / we go / for walking / in the park?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. we go
2. in the park
3. Shall
4. for walking

Solution :

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

- The second part of the given sentence is erroneous in nature.
- As per grammatical rules, we always use a noun/gerund/noun phrase with a preposition.
- Since 'walking' is a present participle, we need to use the noun form of this.

The correct sentence is:

Shall we go for **a walk** in the park?

Question 91 :

Select the option that can be used as a one-word substitute for the given group of words. Policy of racial discrimination

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Inequality
2. Apartheid



Commonwealth

4. Diplomacy

Solution :

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

The meaning of the given words is:

- **Inequality**: lack of equality.
- **Apartheid**: a policy or system of segregation or discrimination on grounds of race.
- **Commonwealth**: an independent country or community, especially a democratic republic.
- **Diplomacy**: the art of dealing with people in a sensitive and tactful way.

The most appropriate one-word substitution for the given set of words is **Apartheid**.



Question 92 :

Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement'. We had to undergo a great many difficulties.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. much great difficulties
2. a great many difficulty
3. No improvement
4. great many difficulties

Solution :

The correct answer is **option 3** i.e. **No improvement**.

- The underlined part of the given sentence is error-free.
- The use of the indefinite article 'a' before great many difficulties is absolutely correct.
- Always remember that indefinite article often precedes descriptive adjectives.



The correct sentence is:

We had to undergo a great many difficulties.

Question 93 :

The following sentence has been split into segments. One of them may contain an error. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer. Among you and me /she is quite rude / to the boy.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Among you and me
2. No error
3. she is quite rude
4. to the boy

Solution :

The correct answer is **option 1** i.e. **Among you and me**

- The first part of the given sentence is erroneous in nature.
- Always remember that among is always used when more than two people or things are being referred.
- But in the given sentence only two people are being talked about.
- Thus, 'among' should be replaced with 'between'.

The correct sentence is:

Between you and me she is quite rude to the boy.

Question 94 :

Select the option that expresses the given sentence in active voice. Tall promises were being made by each promoter.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Each promoter has been making tall promises.
2. Each promoter has made tall promises.



Each promoter made tall promises.

4. Each promoter was making tall promises.

Solution :

The correct answer is **option 4** i.e. **Each promoter was making tall promises.**

- The structure of the given Passive voice sentence is: **Objective case (Subject)+ was/were/ + being + past participle + Subjective case (Object)**
- The structure of the given Active voice sentence is: **+ Subjective case (Object) + was + Objective case (Subject)**
 - The '**were being made**' should be replaced with '**was making**'.

The correct active voice sentence is:

Each promoter was making tall promises.

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. Dance as an artistic form of (1) _____ is extremely old. Evidence of dance as a (2) _____ form is available in ancient literary texts, painting and sculpture. (3) _____ of the dance forms trace their roots to the (4) _____ of movement codified in the Natya Shastra (5) _____ by Bharat Muni.

Question 95 :

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

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. creation
2. created
3. creative
4. creating

Solution :

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

The given blank needs to be filled with an adjective to describe the noun.

- **Creation** is a noun.
- **Created** is a past form of the verb create.
- **Creative** is an adjective.

Creating is the past participle form of the verb create.

The most appropriate filler for the given blank is:

*Evidence of dance as a **creative** form is available in ancient literary texts, paintings, and sculptures.*

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. Dance as an artistic form of (1) _____ is extremely old. Evidence of dance as a (2) _____ form is available in ancient literary texts, painting and sculpture. (3) _____ of the dance forms trace their roots to the (4) _____ of movement codified in the Natya Shastra (5) _____ by Bharat Muni.

Question 96 :

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

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. More
2. Much
3. Many
4. Any

Solution :

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

The meaning of the given words is:

- **More:** a greater or additional amount or degree of.
- **Much:** a great amount or quantity of.
- **Many:** a large number of
- **Any:** used to refer to one or some of a thing or a number of things, no matter how much or how many.

The most appropriate filler for the given blank is '**many**'.

The correct sentence is:

*...**many** of the dance forms trace their roots to...*

Comprehension :

In the following passage, some words have been deled. Read the passage carefully and select the most appropriate option to fill in each blank. Dance as an artistic form of (1) _____ is extremely old. Evidence of dance as a (2) _____



form is available in ancient literary texts, painting and sculpture. (3) _____ of the dance forms trace their roots to the (4) _____ of movement codified in the Natya Shastra (5) _____ by Bharat Muni.

Question 97 :

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

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. procedure
2. techniques
3. capacity
4. delivery

Solution :

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

The meaning of the given words is:

- **Procedure:** an established or official way of doing something.
- **Techniques:** skill or ability in a particular field.
- **Capacity:** the maximum amount that something can contain.
- **Delivery:** the action of delivering letters, parcels, or goods.

The most appropriate filler for the given blank is **techniques**.

The correct sentence is:

...the dance forms trace their roots to the **techniques** of movement codified in the Natya Shastra...

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. Dance as an artistic form of (1) _____ is extremely old. Evidence of dance as a (2) _____ form is available in ancient literary texts, painting and sculpture. (3) _____ of the dance forms trace their roots to the (4) _____ of movement codified in the Natya Shastra (5) _____ by Bharat Muni.

Question 98 :

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

Difficulty : Moderate

Average Time : 80 Seconds



Options :

1. disbursed
2. compiled
3. dispersed
4. captured

Solution :

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

The meaning of the given words is:

- **Disbursed:** pay out money from a fund.
- **Compiled:** produce a list or book by assembling information collected from other sources.
- **Dispersed:** distribute or spread over a wide area.
- **Captured:** take into one's possession or control by force.

The most appropriate filler for the given blank is **compiled**.

The correct sentence is:

...*Natya Shastra* **compiled** by Bharat Muni...

Question 99 :

If $x^4 - 79x^2 + 1 = 0$, then a value of $x + x^{-1}$ can be:

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 7
2. 8
3. 9
4. 5

**Solution :**

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

$$x^4 - 79x^2 + 1 = 0$$

$$(x + 1/x)^2 = x^2 + 1/x^2 + 2$$

$$x^4 - 79x^2 + 1 = 0$$

Divide by x^2 we get -

$$x^2 - 79 + 1/x^2 = 0$$

$$x^2 + 1/x^2 = 79$$

$$x^2 + 1/x^2 + 2 = 79 + 2$$

$$(x + 1/x)^2 = 81$$

$$x + 1/x = 9$$

Now, $x + x^{-1} = x + 1/x$

$$x + x^{-1} = 9$$

Question 100 :

What is the compound interest (in RS) on a sum of Rs 62,500 for 2 years at 12% p.a., if the interest is compounded 8-monthly?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 16548
2. 13428
3. 18342
4. 16232

Solution :

The correct answer is **option 4** i.e. **16232**

Principal = Rs. 62500

Time = 2 years

Rate = 12%



$$\text{Compound Interest} = P[(1 + R/100)^T - 1]$$

When interest is being calculated at 8 monthly -

$$\text{Rate} = (R/12) \times 8$$

$$\text{Time} = T \times (3/2)$$

12% interest for 12 months. So, 8% interest for 8 months

$$\text{Time} = 2 \times (3/2) = 3$$

$$\text{C.I.} = 62500[(1 + 8/100)^3 - 1] = 62500[(27/25)^3 - 1] = 62500[(19683/15625) - 1] = 62500[(19683 - 15625)/15625] = 62500[(4058)/15625] = 16232$$

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-21 in the Afternoon exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from English Language, 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning and 25 questions were asked from General Awareness
4. 23 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

English Language

1. Cloze Test - 5
2. Spotting Error - 4
3. Parajumbles - 1
4. Idioms - 2
5. One Word Substitution - 2
6. Narration - 1
7. Voice - 2
8. Sentence Improvement - 2
9. Synonym - 3

Antonym - 1

11. Incorrectly Spelt - 2

12. Incorrectly Spelt - 2

Quantitative Aptitude

1. Comparison Of Quantities - 25

Logical Reasoning

1. Coding Decoding - 3

2. Analogy - 2

3. Classification - 1

4. Blood Relations - 1

5. Syllogism - 1

6. Venn Diagrams - 1

7. Dictionary Based - 1

8. Figure Based - 4

9. Series - 4

10. Mathematical Reasoning - 3

11. Cubes And Dice - 2

12. Seating Arrangement And Puzzle - 2

General Awareness

1. Art And Culture - 25

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.

Daily Current Affairs



KD Live is providing [Current Affairs](#) on a daily basis for SSC and a [Current Affairs Quiz](#) too for the practice.

KD Live Free Offerings



KD Live is Offering Every Information and Study Material required for the self study. Please click on the following links for accessing those.

- [Study Plan](#)
- [General Science](#)
- [General Awareness](#)
- [General Knowledge](#)
- [Quantitative Aptitude](#)
- [Logical Reasoning](#)
- [English Language](#)
- [Today In History](#)
- [Syllabus](#)
- [Know Your State](#)
- [Know Your Country](#)
- [Know Your City](#)
- [Know Your Leader](#)
- [Books And Authors](#)
- [Daily Vocabulary](#)
- [Daily Editorial](#)
- [Latest Notifications](#)
- [Exam Dates](#)
- [Admit Card](#)
- [Exam Results](#)
- [Exam Cutoff](#)
- [Exam Eligibility](#)
- [Exam Pattern](#)





[Answer Key](#)
[Important Days](#)

Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

For Asking any query on Ssc Cgl Tier I Previous Year Question Paper please mail [Send Email](#) or you can fill the form at [KD Live](#).

About KD Live

KD live has an expertise in providing apt explanations for the Ssc Cgl Tier I Previous Year Question Paper since 2008. More than 10 lakh aspirants have cleared competitive exams under the guidance of Neetu Mam. Study.kdcampus.live is providing free information on various topics and for the Ssc Cgl Exam you can refer the following link [Click Here](#) however if you want to practice more questions then please refer the following link [Click Here](#).

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.