



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 2022-04-11 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 :

The profit earned by selling an article for Rs 832 is equal to the loss incurred when the article is sold for Rs 448. What will be the selling price of the article if it is sold at a 10% loss?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Rs 960
2. Rs 640
3. Rs 625
4. Rs 540

Solution :

The correct answer is **option 1** i.e. **Rs 960**

Original Selling Price = Rs. 832

New Selling Price = Rs. 448

Profit earned by selling the article for Rs. 832 = Loss incurred by selling the article at Rs. 448

Profit = Selling Price - Cost Price

Loss = CP - SP

$SP = CP \times \{(100 + \text{Profit}\%)/100\}$

According to the question -

Profit earned by selling the article for Rs. 832 = Loss incurred by selling the article at Rs. 448

Original SP - CP = CP - New SP

832 - CP = CP - 448

2 × CP = 832 + 448

CP = 1280/2 = Rs. 640

Now, the Selling Price for making 50% profit -

SP = CP{(100 + Profit%)/100} = 640{(100 + 50)/100} = 640(150/100) = 640(3/2) = 3(320) = Rs. 960

Question 2 :

Find the greatest number which divides 108,124 and 156, leaving the same remainder.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 16
2. 12
3. 10
4. 18

Solution :

The correct answer is **option 1** i.e. **16**

The given numbers are 108, 124, and 156.

After dividing by the greatest number, the remainder in each case is the same.

The greatest number that will divide a, b, and c and leaving the same remainder in each case is given by the HCF of |a - b|, |b - c|, and |c - a|.

ATQ -

$$|108 - 124| = |-16| = 16$$

$$|124 - 156| = |-32| = 32$$

$$|156 - 108| = 48$$

Prime factors of 16 = $2 \times 2 \times 2 \times 2$

Prime factors of 32 = $2 \times 2 \times 2 \times 2 \times 2$

Prime factors of 48 = $2 \times 2 \times 2 \times 2 \times 3$

HCF of 16, 32, and 48 = $2 \times 2 \times 2 \times 2 = 16$

Question 3 :

A pole 23 m long reaches a window which is 35 m above the ground on one side of street. Keeping its foot at the same point, the pole is turned to the other side of the street to reach a window 415 m high. What is the width (in m) of the street?

Difficulty : Moderate**Average Time : 68 Seconds****Options :**

1. 39

2. 17

3. 22

4. 35

Solution :

The correct answer is **option 1** i.e. **39**



The length of the pole = 23m

The first window is 35m above the ground and the second window is 415m above the ground.

In a right-angled triangle,

$$\text{Base} = (\text{Hypotenuse}^2 - \text{Perpendicular}^2)$$

The width of the street = BC

In ABO -

$$BO = (AO^2 - AB^2) = [23^2 - (35)^2] = (529 - 45) = 484 = 22m$$

In OCD -

$$CO = (DO^2 - DC^2) = [23^2 - (415)^2] = (529 - 240) = 289 = 17m$$

$$BC = BO + CO = 22 + 17 = 39m$$

Question 4 :

Simplify the following expression: $\frac{\{(a^2 - 4b^2)^3\} + 64(b^2 - 4c^2)^3 + (16c^2 - a^2)^3}{(a-2b)^3 + (2b - 4c)^3 + (4c - a)^3}$

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. -64
2. 90
3. 180
4. 45

Solution :

The correct answer is **option 2** i.e. **90**.

We need a short trick to solve these types of questions otherwise it will take a lot of time to find the answer.

By putting a, b, and c equal to 1, we get

$$\frac{\{(1^2 - 4 \times 1^2)^3 + 64 \times (1^2 - 4 \times 1^2)^3 + (16 \times 1^2 - 1^2)^3\}}{\{(1 - 2 \times 1)^3 + (2 \times 1 - 4 \times 1)^3 + (4 \times 1 - 1)^3\}}$$

$$\frac{\{(1 - 4)^3 + 64 \times (1 - 4)^3 + (16 - 1)^3\}}{\{(1 - 2)^3 + (2 - 4)^3 + (4 - 1)^3\}}$$

$$\frac{\{(-3)^3 + 64 \times (-3)^3 + (15)^3\}}{\{(-1)^3 + (-2)^3 + (3)^3\}}$$

Solving the numerator, we get

$$-27 + 64 \times (-27) + 3375 = -1755 + 3375 = 1620$$

Solving the denominator, we get

$$-1 - 8 + 27 = 18$$

Thus, the value of the given expression is $1620/18 = 90$

By putting a, b, and c equal to 1 in the given Options, only Option 2 is 90.

Option 1 can be directly neglected as it will give a negative number.

Option 3 is equal to 180

Option 4 is equal to 45

Question 5 :

X, Y and Z can do a piece of work in 46 days, 92 days and 23 days, respectively. X started the work. Y joined him after 2 days. If Z joined them after 8 days from the beginning, then for how many days did X worked?

Difficulty : Moderate

Average Time : 100 Seconds

Options :

1. 21

2. 18

3. 13

4. 16

Solution :

The correct answer is **option 2** i.e. **18**

X, Y, and Z can do a piece of work in 46 days, 92 days, and 23 days respectively.

Work finished by X in 1 day = $1/46$

Work finished by Y in 1 day = $1/92$

Work finished by Z in 1 day = $1/23$

Work finished by X and Y in 1 day = $1/46 = (1/46) + (1/92) = 3/92$

Work X, Y, and Z can finish together in 1 day = $(1/46) + (1/92) + (1/23) = 7/92$

Work X can do in 2 days = $2/46 = 1/23$

Work X and Y can do in 6 days = $6(3/92) = 9/46$ [Z joined them after 8 days from the beginning]

The remaining work = $1 - [(1/23) + (9/46)] = 1 - (11/46) = 35/46$

Time is taken by X, Y, and Z to finish the work = $(35/46)/(7/92) = (35/46) \times (92/7) = 10$ days

Total time of work of X = $8 + 10 = 18$ days

Question 6 :

What is the value of: $83 \sin 30^\circ \tan 60^\circ - 3 \cos 0^\circ + 3 \sin 245^\circ + 2 \cos 230^\circ$?



Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 18
2. 15
3. 9
4. 12

Solution :

The correct answer is **option 4** i.e. **12**

$$\begin{aligned} & 83 \sin 30^{\circ} \tan 60^{\circ} - 3 \cos 0^{\circ} + 3 \sin^2 45^{\circ} + 2 \cos^2 30^{\circ} \\ &= [83 \times (1/2) \times 3] - (3 \times 1) + 3(1/2)^2 + 2(3/2)^2 \\ &= 12 - 3 + 3(1/2) + 2(3/4) \\ &= 12 - 3 + (3/2) + (3/2) \\ &= 12 - 3 + 3 \\ &= 12 \end{aligned}$$

Question 7 :

The width of the path around a square field is 4.5m and its area is 105.75m². Find the cost of fencing the path at the rate of Rs100 per meter.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Rs 275
2. Rs 550
3. Rs 600
4. Rs 400

Solution :

The correct answer is **option 2** i.e. **Rs 550**

The width of the path around a square field = 4.5 m



The area of the path = 105.75 m^2

The perimeter of a square = $4 \times \text{Side}$

The area of a square = $(\text{Side})^2$

Let each side of the field be x .

Each side with the path = $x + 4.5 + 4.5 = x + 9$

$$(x + 9)^2 - x^2 = 105.75$$

$$x^2 + 18x + 81 - x^2 = 105.75$$

$$18x + 81 = 105.75$$

$$18x = 105.75 - 81 = 24.75$$

$$x = 24.75/18 = 11/8$$

Each side of the square field = $11/8 \text{ m}$

Perimeter = $4(11/8) = 11/2 \text{ m}$

So, the total cost of fencing = $11/2(100) = \text{Rs. } 550$

Question 8 :

The given bar graph shows exports of cars of type A and B (in Rs millions) from 2014 to 2018. Study the graph and answer the question that follows. Exports of Cars of type A and B (in Rs millions) from 2014 to 2018. The Total exports of cars type B from 2014 to 2017 is what percent more than the total exports of cars of type A from 2015 to 2018? (correct to one decimal place)

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. 6.5%
2. 4.9%
3. 5.6%
4. 7.2%

Solution :

The correct answer is **option 3** i.e. **5.6%**

The total exports of cars of type B from 2014 to 2017 = $225 + 250 + 200 + 275 = 950$



The total exports of cars of type A from 2015 to 2018 = $150 + 275 + 175 + 300 = 900$

The difference = $950 - 900 = 50$

The percentage = $(50/900) \times 100 = 5.555\%$ or 5.6%

Question 9 :

What is the height (in cm) of an equilateral triangle whose side is 8 cm?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. 35
2. 42
3. 43
4. 32

Solution :

The correct answer is **option 3** i.e. **43**

Each side of the equilateral triangle = 8 cm

The height of an equilateral triangle = $(\frac{3}{2})\text{Side}$

The height of the equilateral triangle = $(\frac{3}{2})8 = 43$ cm

Question 10 :

A vertical pole and vertical tower are on the same level of the ground in such a way that from the top of the pole, the angle of elevation of the top of the tower is 60° and the angle of depression of the bottom of the tower is 30° . If the height of the tower is 76 m, then find the height (in cm) of the pole.

Difficulty : Moderate

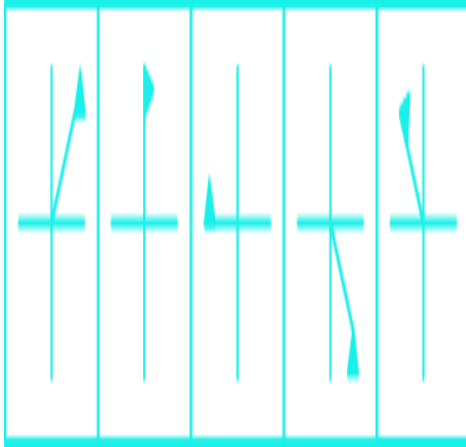
Average Time : 53 Seconds

Options :

1. 20
2. 57
3. 38
4. 19

Solution :

The correct answer is **option 4** i.e. **19**



The angle of elevation of the top of the tower from the top of the pole = 60°

The angle of depression of the bottom of the tower from the top of the pole = 30°

Let the height of the pole (AB) = CD = x m

The height of ED = (76 - x) m

In ACD -

$$\tan 30^\circ = CD/AD$$

$$1/3 = x/AD$$

$$AD = 3x \dots(1)$$

In AED -

$$\tan 60^\circ = ED/AD$$

$$3 = (76 - x)/3x$$

$$76 - x = 3x$$

$$3x + x = 76$$

$$4x = 76$$

$$x = 76/4 = 19$$

Question 11 :

O is the center of a circle with a diameter 20 cm. T is a point outside the circle and TA is a tangent to a circle. If OT is = 26cm, what is the length (in cm) of the tangent TA?

**Difficulty : Moderate****Average Time : 74 Seconds****Options :**

1. 18

2. 20

3. 24

4. 26

Solution :The correct answer is **option 3** i.e. **24**

Diameter of the circle = 20 cm

OT = 26 cm

Radius = Diameter/2

The radius of a circle is always perpendicular to the tangent on the circle.

In a right-angled triangle -

$$\text{Base} = (\text{Hypotenuse}^2 - \text{Perpendicular}^2)$$

OT = 26 cm

Radius (OA) = 20/2 = 10 cm

OA is perpendicular to TA.

$$\text{OAT} = 90^\circ$$

In OAT -

$$\text{TA} = (26^2 - 10^2) = (676 - 100) = 576 = 24 \text{ cm}$$

Question 12 :

In the first 10 overs of a cricket game, the run rate was only 7.2. What should be the average run rate in the remaining 40 overs to reach the target of 272 runs?

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

1. 7



4

3. 6

4. 5

Solution :

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

Given:

Run rate in first 10 overs = 7.2 runs/over

Target runs to reach = 272 runs

Concept Used:

Average = Sum of all observations/Number of observations

Explanation:

Total runs scored in 10 overs = $(7.2) \times 10 = 72$ runs

Remaining runs to make = $272 - 72 = 200$ runs

Required run rate in 40 overs = $200/40 = 5$ runs/over

Hence the run rate in 40 overs is 5 runs/over.

Question 13 :

If $(4x + 2y)^3 + (4x - 2y)^3 = 16(Ax^3 + Bxy^2)$, then what is the value of $1/2(A^2 + B^2)$?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 3

2. 5

3. 8

4. 7

Solution :

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

$$(4x + 2y)^3 + (4x - 2y)^3 = 16(Ax^3 + Bxy^2) \dots(1)$$

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

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

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

$$(4x + 2y)^3 + (4x - 2y)^3 = (4x + 2y + 4x - 2y)[(4x + 2y)^2 + (4x - 2y)^2 - (4x + 2y)(4x - 2y)]$$

$$(4x + 2y)^3 + (4x - 2y)^3 = 8x[2(16x^2 + 4y^2)] - (16x^2 - 4y^2)$$

$$(4x + 2y)^3 + (4x - 2y)^3 = 8x(32x^2 + 8y^2 - 16x^2 + 4y^2)$$

$$(4x + 2y)^3 + (4x - 2y)^3 = 8x(16x^2 + 12y^2)$$

$$(4x + 2y)^3 + (4x - 2y)^3 = 16(8x^3 + 6xy^2) \dots(2)$$

Checking equations (1 and (2 -

$$A = 8 \text{ and } B = 6$$

$$(1/2)(A^2 + B^2) = (1/2)(8^2 + 6^2) = (1/2)(64 + 36) = (1/2)100 = 1/2 \times 100 = 50$$

Question 14 :

The given histogram shows the daily wages (in Rs) of workers in a factory. Study the histogram and answer the question that follows. The number of workers with daily wages less than Rs 180 is what percentage of the number of workers with daily wages more than Rs 190? Express your answer correct to one decimal place?

Difficulty : Moderate

Average Time : 105 Seconds

Options :

1. 75.8%
2. 85.6%
3. 74.8%
4. 86.7%

Solution :

The correct answer is **option 3** i.e. **74.8%**

The number of workers with daily wages less than Rs. 180 = 55 + 80 + 108 = 243

The number of workers with daily wages is more than Rs. 190 = 150 + 105 + 70 = 325

The required percentage = $(243/325) \times 100 = 74.76\% \approx 74.8\%$

Question 15 :



A car runs first 275 km at an average speed of 50 km/h and the next 315 km at an average speed of 70 km/h. What is the average speed (in km/h) for the entire journey?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 59
2. 62
3. 58.5
4. 60

Solution :

The correct answer is **option 1** i.e. **59**

Given:

For distance = 275 km, speed = 50 km/h

For distance = 315 km, speed = 70 km/h

Concept Used:

Average speed = total Distance/Total Time

Explanation:

Time taken to cover 275 km = $275/50 = 11/2$ hours

Time taken to cover 315 km = $315/70 = 9/2$ hours

The average speed = $(275 + 315)/(11/2 + 9/2) = 590/10 = 59$ km/h

Hence, the average speed for the entire journey is 59 km/h.

Question 16 :

A, B and C started a business in partnership. Initially, A invested Rs 29,000, while B and C invested Rs 25,000 each. After 4 months, A withdrew Rs 3,000. After 2 more months, C invested Rs 12,000 more. Find the share of C (in Rs) in the profit of Rs 33,200 at the end of the year.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 12,400



11,067

3. 10,800

4. 10,000

Solution :

The correct answer is **option 1** i.e. **12,400**

Explanation:

A invested Rs. 29,000, while B and C invested Rs. 25,000 each.

After 4 months, A withdrew Rs. 3,000.

After 6 months from the initial date, C invested Rs. 12,000 more in the business.

Total profit = Rs. 33200

Ratio of A, B, and C = $[(29000 \times 4) + (26000 \times 8)] : (25000 \times 12) : [(25000 \times 6) + (37000 \times 6)]$

= $(116000 + 208000) : 300000 : (150000 + 222000)$

= 324000 : 300000 : 372000

= 27 : 25 : 31

The ratio of investment is equal to the ratio of profit.

The profit of C = $\frac{31}{83} \times 33200 = \text{Rs. } 12400$

Question 17 :

In a circle with centre O, chords PR and QS meet at the point T, when produced, and PQ is a diameter. If $\angle ROS = 42^\circ$, then the measure of $\angle PTQ$ is:

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 58°

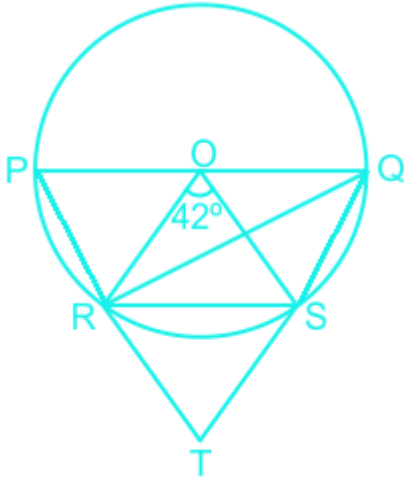
2. 59°

3. 69°

4. 48°

Solution :

The correct answer is **option 3** i.e. **69°**



$$\angle ROS = 42^\circ$$

The sum of the angles of a triangle = 180°

Exterior angle = Sum of opposite interior angles.

Angle made by an arc at the center = $2 \times$ Angle made by the same arc at any point on the circumference of the circle

Join RQ and RS.

According to the above point -

$$\angle RQS = \angle ROS/2$$

$$\angle RQS = 42/2 = 21^\circ \dots\dots(1)$$

PQ is a diameter.

$$\angle PRQ = 90^\circ \text{ [Angle in the semicircle} = 90^\circ]$$

In RQT -

PRQ is an exterior angle.

$$\angle PRQ = \angle RTQ + \angle TQR = 90^\circ = \angle RTQ + 21^\circ \text{ [} \angle TQR = \angle RQS = 21^\circ]$$

$$\angle RTQ = 90^\circ - 21^\circ = 69^\circ$$

$$\angle PTQ = 69^\circ$$

Question 18 :

Find the value of the following expression: $980 \div 35 \times 16 + 4 - 2 \times 2$



Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. $\frac{7}{4}$
2. 556
3. 448
4. 15

Solution :

The correct answer is **option 3** i.e. 448

Explanation:

From the given question,

$$980 \div 35 \times 16 + 4 - 2 \times 2$$

$$28 \times 16 + 4 - 2 \times 2$$

$$448 + 4 - 4$$

$$448$$

Hence the value of $980 \div 35 \times 16 + 4 - 2 \times 2$ is 448

Question 19 :

A sum invested at compound interest amounts to Rs 7,800 in 3 years and Rs 11,232 in 5 years. What is the rate per cent?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 20%
2. 26%
3. 18%
4. 15%

Solution :

The correct answer is **option 1** i.e. 20%.



The sum amounts to Rs. 7800 in 3 years and Rs. 11232 in 5 years.

At compound interest, the final amount = Principal $(1 + \text{Rate}/100)^{\text{Time}}$

Rs. 7800 becomes Rs. 11232 at compound interest in two years.

Let the rate of interest be R.

$$11232 = 7800(1 + R/100)^2$$

$$[(100 + R)/100]^2 = 11232/7800$$

$$[(100 + R)/100]^2 = 144/100$$

$$[(100 + R)/100]^2 = (12/10)^2$$

$$[(100 + R)/100] = (12/10)$$

$$100 + R = 1200/10 = 120$$

$$R = 120 - 100 = 20\%$$

Question 20 :

If $\cos(A-B) = 3/2$ and $\sec A = 2$, $0^\circ < A < 90^\circ$, $0^\circ < B < 90^\circ$, then what is the measure of B?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 60°
2. 0°
3. 30°
4. 90°

Solution :

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

$$\cos(A - B) = 3/2$$

$$\sec A = 2$$

$$0 < A < 90^\circ$$

$$\sec A = 2$$

$$\cos A = 1/2 \quad [\sec A = 1/\cos A]$$

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

$$A = 60^\circ \dots\dots(1)$$

$$\cos (A - B) = 3/2$$

$$\cos (A - B) = \cos 30^\circ [\cos 30^\circ = 3/2]$$

$$A - B = 30^\circ$$

$$60^\circ - B = 30^\circ [A = 60^\circ]$$

$$B = 60^\circ - 30^\circ = 30^\circ$$

Question 21 :

How many numbers are there from 500 to 650 (including both) which are neither divisible by 3 nor by 7?

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

1. 87
2. 99
3. 121
4. 21

Solution :

The correct answer is **option 1** i.e. **87**

Total numbers up to 500 are divisible by 3 = $500/3 = 166$

Total numbers up to 500 are divisible by 7 = $500/7 = 71$

Total numbers up to 500 are divisible by 21 = $500/21 = 23$

Total numbers up to 650 are divisible by 3 = $650/3 = 216$

Total numbers up to 650 are divisible by 7 = $650/7 = 92$

Total numbers up to 650 are divisible by 21 = $650/21 = 30$

Total number divisible by 3 between 500 and 650 = $216 - 166 = 50$

Total number divisible by 7 between 500 and 650 = $92 - 71 = 21$

Total number divisible by 21 between 500 and 650 = $30 - 23 = 7$



Total numbers from 500 to 650 = $150 + 1 = 151$

The required numbers = $151 - (50 + 21 - 7) = 151 - 64 = 87$

Question 22 :

The Atharvaveda is a collection of _____ khandas.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 20
2. 10
3. 15
4. 5

Solution :

The correct answer is **option 1** i.e. **20**.

- **Atharvaveda** is a collection of **20 Khandas**.
- There are many mantras related to the worship of **Brahma** in Atharvaveda.
- Atharvaveda is the last of the four Vedas. It is also known by other names **Chanda Veda (Chhandansi)**, **Atharvangiras**, and **Brahmaveda**.
- Atharvaveda has 20 Khandas, 731 Suktas and 5977 Mantras.

Question 23 :

As per the Hindu Succession Act 1956, who amongst the following has the first right over the property of a Hindu woman who dies intestate?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. The legal heirs of her husband
2. Her husband
3. The legal heirs of her father
4. Her parents

Solution :

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

The Mitakshara section of Hindu law was codified as the Hindu Succession Act, of 1956, which recognized only men as legal heirs to inherit and manage the property under the same Act.

- This applies to all those who are not Muslims, Christians, Zoroastrians, or Jews by religion. Buddhists, Sikhs, Jains and Arya Samaj, followers of Brahma Samaj are also considered Hindus under this law.
- The 174th report of the Law Commission recommended reforms in the Hindu Succession Act.
- **The 1956 Act was amended in September 2005** and from the year 2005, women were recognized as coparceners/coparceners in the matter of property division.
- By amending section 6 of the Act, the daughter of a co-coordinator was also treated as a co-coparcener by birth as a son.

Question 24 :

With reference to the Constituent Assembly, which of the following statements is correct?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. The Constituent Assembly adopted the National Anthem in January 1950.
2. The Constituent Assembly adopted the National Song in January 1948.
3. The Constituent Assembly adopted the National Flag in July 1949.
4. The Constituent Assembly ratified India's membership of the Commonwealth in May 1947.

Solution :

The correct answer is **option 1** i.e. **The Constituent Assembly adopted the National Anthem in January 1950.**

The Constituent Assembly-

- The idea for a Constituent Assembly was proposed in **December 1934** by **M. N. Roy**.
- The members of the Constituent Assembly were indirectly elected on the basis of adult suffrage whose election was held in July 1946.
- After partition, out of the **total members (389)**, only **299 remained in India**. Out of which 296 were selected. There were 70 nominated. In which the total number of women members was 15, 26 from Scheduled Castes, and 33 from Scheduled Tribes.
- The Republic is governed in terms of the Constitution of India which was adopted by the Constituent Assembly on **26th November 1949** and came into force on 26th January 1950.
- On **24 January 1950**, India's Constituent Assembly adopts the Indian national anthem from a song written and composed by the Nobel Prize winner, Rabindranath Tagore.



It ratified India's membership of the Commonwealth in **May 1949**.

- The design of the National Flag was adopted by the Constituent Assembly of India on **22 July 1947**.

Question 25 :

The 'Pradhan Mantri Annadata Aay SanrakshAn Abhiyan' (PM-AASHA) has _____ components to rationalise the government agricultural produce price and policy for efficiency, savings by way of reduction of wastages and leakages in storage and make fiscal gains

Difficulty : Moderate

Average Time : 104 Seconds

Options :

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

Solution :

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

- '**Pradhan Mantri Annadata Aay SanrakshAn Abhiyan**' (PM-ASHA) has 3 components which are government policy for cost and efficiency of agricultural produce, saving to reduce wastage and leakage in storage and earning financial profit.
- It was announced in the Union Budget of 2018 that farmers have to get a fair price for their produce.
- It includes arrangements for ensuring fair prices and includes Price Support Scheme (PSS), Price Deficiency Payment Scheme (PDPS), and Private Procurement and Stockist Pilot Scheme (PPPS).
- This is an extraordinary step taken by the Government of India toward the protection of the income of the farmers, which is expected to facilitate the welfare of the farmers to a great extent.

Question 26 :

In February 2021, the Finance Minister of India announced the setting up of a Dispute Resolution Committee (DRC) for taxpayers with taxable income up to _____ and disputed income up to _____.

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. â,15 lakh, â,11 lakh
2. â,110 lakh, â,12 lakh

â,120 lakh, â,15 lakh

4. â,150 lakh, â,110 lakh

Solution :

The correct answer is **option 4** i.e. **â,150 lakh, â,110 lakh**.

- In February 2021, the Finance Minister of India announced the setting up of a Disputes Resolution Committee (DRC) for taxpayers with taxable income up to 5 lakh and disputed income up to 10 lakh.
- The Finance Minister has proposed the constitution of a Disputes Resolution Committee (DRC) in Budget 2021 to provide quick relief to taxpayers in case of tax disputes.
- This committee will be constituted under a new section 245MA of the Income Tax Act.
- The DRC will resolve the taxable income of small taxpayers up to Rs 50 lakh and disputed income up to Rs 10 lakh.

Question 27 :

NIP related to India's budget, which was announced in December 2019 by the Union Finance Minister of India stands for:

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. National Indigenous Project
2. Negotiable Instrument Protocol
3. Neutral Interventions on Payments
4. National Infrastructure Pipeline

Solution :

The correct answer is **option 4** i.e. **National Infrastructure Pipeline**.

- The NIP relating to the Budget of India, which was announced by the Union Finance Minister of India in December 2019, stands for **National Infrastructure Pipeline**.
- The NIP has been launched in August 2020 for a period of five years from 2021-2025.
- The NIP covers both economic and social infrastructure projects.
- The objective of the NIP is to act as an enabler to provide and invest necessary funds for infrastructure development in India by 2030.

Question 28 :

The process of wastewater treatment is commonly called _____ treatment.

Difficulty : Moderate

Average Time : 55 Seconds

Options :



Microbe

2. Sewage

3. Pollutant

4. Bacteria

Solution :

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

- The process of **wastewater treatment** is commonly called **sewage treatment**.
- Sewage discharged after home, factories, hospitals, offices and other uses is called sewage.
- The effluent is liquid in the form of waste.
- **Wastewater treatment** is the removal of contaminants from sewage that is suitable for discharge into the surrounding environment or for intended reuse, thereby preventing water pollution from raw sewage discharges.

Question 29 :

Musi river is a tributary of which of the following rivers?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Yamuna
2. Godavari
3. Krishna
4. Ganga

Solution :

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

- **The Musi River is a tributary of the Krishna River.**
- It is a river flowing in the state of **Telangana**, India.
- It originates 90 km west of Hyderabad from Ananthagiri hills in Vikarabad district and meets Krishna river 140 east at Vadapalli in Nalgonda district.
- The Musi River flowing through Hyderabad divides it into two parts - the new and the old city.
- Krishna River is one of the longest rivers in peninsular India.

Question 30 :

What is the nut of an oak tree called?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Chestnut
2. Kola nut
3. Macadamia
4. Acorn

Solution :

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

- The **fruit (nut)** of the **oak tree** is called an **acorn**.
- Oak is a tree of the genus *Quercus* of the Fagaceae family.
- About 400 varieties have been found.
- This tree is found in many countries, including Malaysia in the east, China, the Himalayas, the Caucasus region, the north polar region and North America.
- Its height is usually 100 to 150 feet and the circumference is from 3 to 8 feet.
- Oak wood has been found in good condition for 900 years. Wood is beautiful Once upon a time only oak wood was used to make ships.

Question 31 :

What is the percentage of rural child population to the total child population of the country in India as per Provisional Population Totals of Census 2011?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 55.23%
2. 74.05%
3. 79.03%
4. 62.45%

Solution :

The correct answer is **option 2** i.e. **74.05%**.

- According to the provisional population total of the 2011 census, the percentage of **the rural child population in the total child population** of the country in India is **74.05%**.



The sex ratio of children has come down from 927 to 914 in the census.

- According to the provisional population total, the total population of India in 2011 was 1210.2 million.
- The current population of India is one billion 21 crores. Of these 62 crores are males and 58 crores are females.

Question 32 :

Which of the following was a fishing colony that was used as a port for trading with the Romans and the Greco-Romans in ancient India?

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

1. Badami
2. Arikamedu
3. Lothal
4. Tulapurushandana

Solution :

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

- **Arikamedu** was a fishing colony that was used as a port for trade with the **Romans and Greco-Romans** in ancient India.
- It is an archeological site.
- It is located about 4 kilometers (2.5 mi) from the city of Puducherry and on the banks of the river Gingee.
- In ancient times it was a center of trade between India and Rome and Greece.

Question 33 :

The Election Commission of India (ECI) is the watchdog of free and fair elections in the country and _____ of the Constitution of India provides for its establishment.

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

1. Article 356
2. Article 324
3. Article 352
4. Article 101

Solution :



The correct answer is **option 2** i.e. **Article 324**.

Other information-

- The Election Commission of India (ECI) is the watchdog of free and fair elections in the country and provides for establishment under Article 324 of the Constitution of India.
- The Election Commission of India (ECI) is a constitutional body envisaged to uphold the values of equality, justice, fairness, and freedom enshrined in the Constitution of India and to observe the rule of law with respect to the superintendence, direction, and control of electoral governance. as a governing body.
- ECI was established to conduct elections adhering to the highest standards of credibility, independence, fairness, transparency, integrity, accountability, autonomy and professional competence.
- Article 324 lays down the superintendence, direction and control of elections to be vested in the Election Commission. The Constitution has given the responsibility of conducting elections to the Election Commission in Article 324 itself.

Question 34 :

After Mahatma Gandhi's release from prison in January 1931, Congress leaders met at _____ to plan the future course of action.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. **Surat**
2. **Allahabad**
3. **Calcutta**
4. **Lahore**

Solution :

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

- After Mahatma Gandhi's release from prison in January 1931, Congress leaders met in Allahabad to plan the future course of action.
- The Dandi Yatra or Salt Satyagraha was an act of non-violent civil disobedience led by Mahatma Gandhi in India.
- Gandhi led his followers on the famous Salt Satyagraha to break the British salt laws.
- Dandi March was started on 12 March 1930.

Question 35 :

Justice _____ was appointed Chief Justice of the Supreme Court of India with effect from 24th April 2021.

Difficulty : Moderate

Average Time : 51 Seconds



Options :

1. Ajjikuttira Somaiah Bopanna
2. Kuttiyil Mathew Joseph
3. Nuthalapati Venkata Ramana
4. Ramayyagari Subhash Reddy

Solution :

The correct answer is **option 3** i.e. **Nuthalapati Venkata Ramana**.

- Justice **Nuthalapathy Venkata Raman** was appointed as the Chief Justice of the Supreme Court of India with effect from 24 April 2021.
- The Chief Justice of India is appointed by the President after consultation with the Judges of the Supreme Court and High Courts.
- So far, a total of 49 judges (including the current Chief Justice) have served as Chief Justices.
- Justice Shri HJ Kania was the first Chief Justice of India.

Question 36 :

The chemical symbol of arsenic is:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Ar
2. As
3. Ac
4. An

Solution :

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

- The chemical symbol for **arsenic** is **As**.
- Arsenic is a chemical element in the fifth major group in the periodic table.
- It is kept in the category of metalloid.
- Its **atomic number** is **33**.

Question 37 :

Rajeev Ram is a professional tennis player from _____.



Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Slovakia
2. Australia
3. United Kingdom
4. United States of America

Solution :

The correct answer is **option 4** i.e. **United States of America**.

- Rajeev Ram is a professional tennis player from the **United States of America**.
- Rajeev Ram and Britain Salisbury have together won the men's doubles title of the US Open 2021.
- The couple reached a career-high ranking of world number 5 in the rankings in February 2020.
- He is currently ranked world No. 1 in doubles.

Question 38 :

Which of the following statements is correct with respect to chordates?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Double ventral solid nerve cord
2. Heart is dorsal or laterally placed or absent
3. A post anal tail is absent
4. Notochord is present

Solution :

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

- Any of a phylum (Chordata) of animals having at least at some stage of development a notochord, dorsally situated central nervous system, and gill slits and including the vertebrates, lancelets, and tunicates.
- **Pandas, crows, sharks, salamanders, alligators, sea squirts**, and many others are examples of chordates.

Question 39 :

For which of the following teams is the former Indian football captain Sunil Chhetri played in 2021?



Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Chennaiyin FC
2. NorthEast United FC
3. FC Goa
4. Bengaluru FC

Solution :

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

- Former Indian football captain **Sunil Chhetri** has played for **the Bangalore FC** team in 2021.
- He plays as a striker or winger and captains both the Indian Super League club Bengaluru FC and the Indian national team.
- Sunil Chhetri is popularly known as '**Captain Fantastic**'.
- Sunil Chhetri has become the highest goalscorer in Indian football.

Question 40 :

Makaravilakku festival is celebrated at the sacred grove of Lord Ayyappa in:

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Telangana
2. Kerala
3. Andhra Pradesh
4. Karnataka

Solution :

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

- **Makaravilakku** is celebrated in **Kerala** in the sacred grove of **Lord Ayyappa**.
- Every year about five lakh pilgrims attend this festival.
- **Makaravilakku is celebrated on 14 January**.
- The festival lasts for seven days. On this auspicious day, the idol of **Lord Ayyappa** is replaced in the temple and decorated with royal ornaments.

Question 41 :

Which of the following compounds in petroleum can cause corrosion to parts of internal combustion engines and refineries?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Sodium
2. Potassium
3. Calcium
4. Sulphur

Solution :

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

- There are many kinds of petroleum such as **crude oil, natural gas, and bitumen**.
- Petroleum consists principally of hydrogen and carbon, but also contains small percentages of oxygen, nitrogen, sulfur, and traces of metals, such as vanadium, cobalt, and nickel.
- Petroleum is a **fossil fuel** that is found in large quantities beneath the Earth's surface and is often used as a fuel or raw material in the chemical industry. It is a smelly, yellow-to-black liquid and is usually found in underground areas called reservoirs.

Question 42 :

Which of the following is the theme of International Day for Monuments and Sites, 2021?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Shared Culture, Shared Heritage and Shared Responsibility
2. Rural Landscapes
3. Heritage for Generations
4. Complex Pasts: Diverse Futures

Solution :

The correct answer is **option 4** i.e. **Complex Pasts: Diverse Futures**.

- The **International Day for Monuments and Sites** also known as **World Heritage Day** is an international observance held on 18 April each year around the world with different types of activities, including visits to monuments and heritage sites
- The International Day for Monuments and Sites was proposed by the International Council on Monuments and



Sites (ICOMOS) on 18 April 1982 and approved by the General Assembly of **UNESCO in 1983.**

Question 43 :

Which of the following is the main cause of 'badlands'?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Scanty rainfall
2. Soil erosion
3. Excessive forest cover
4. Open defecation

Solution :

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

Badlands are a type of dry land where soft sedimentary rocks and clay-rich soils have been extensively eroded. They are characterized by steep slopes, minimal vegetation, lack of sufficient regolith, and high drainage density.

Important Points-

- **Soil erosion** is the main reason for the **Badlands.**
- Soil erosion is a gradual process that occurs when the impact of water or wind separates and removes soil particles, causing the soil to deteriorate. Soil degradation and low water quality due to erosion and surface runoff have become serious problems worldwide. The process-
 - **Detachment:** This is when the topsoil is actually "detached" from the rest of the ground.
 - **Movement:** This is when the topsoil is relocated to another area.
 - **Deposition:** Where the topsoil ends up after this process.

Question 44 :

What is the name of the compound having the formula $\text{CH}_3\text{CH}_2\text{OH}$?

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. Ethanol
2. Acetic Acid
3. Chloroform



Methane

Solution :

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

- The chemical formula of ethanol is **CH₃CH₂OH**.
- Ethanol is a well-known alcohol. It is also called ethyl alcohol.
- Its formula can be also written as **CH₃CH₂OH** or **C₂H₅OH**.
- It is used as a bactericide in washing wounds, in making varnishes, polishes, drug solutions, other chemical compounds, and in the form of various wines for drinking.

Question 45 :

Who is the author of the book, 'Poverty and Un-British Rule in India'?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Shashi Tharoor
2. Jairam Ramesh
3. Annie Besant
4. Dadabhai Naoroji

Solution :

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

- **Dadabhai Naoroji** is the author of the book '**Poverty and UnBritish Rule in India**'.
- **Dadabhai Naoroji** was a Parsi intellectual, educationist, cotton merchant and early political and social leader of British India.
- He is called the '**Grand Old Man of India**'.
- 'Poverty and UnBritish Rule in India' in which many articles, speeches, essays and correspondence with high officials and before committees and commissions were given.

Question 46 :

Which of the following musical instruments did Dwaram Venkataswamy Naidu play?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Violin



Veena

3. Nadaswaram

4. Mandolin

Solution :

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

1. Dwaram Venkataswamy Naidu wrote several articles on music, such as an essay on "**The Peculiar Features of Tambura**".
2. Dwaram Venkataswamy Naidu (**8 November 1893 – 25 November 1964**) was one of the most important Carnatic music violinists of the 20th century.
3. He was awarded the **Padma Shri award in 1957**.
4. The famous Kalaimamani Mrs. Radhanarayanan is also a disciple of V. Naidu.

Question 47 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. We stayed / in Jim's flat / during he was / on holiday

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. on holiday
2. in Jim's flat
3. We stayed
4. during he was

Solution :

The correct answer is **option 4** i.e. **during he was**.

Given sentence: We stayed / in Jim's flat / during he was / on holiday

During + noun is used at the end of the sentence.

When + sentence is used at the beginning or middle of the sentence.

Correct sentence: We stayed / in Jim's flat / **when he was** / on holiday

Question 48 :

Select the correct indirect speech form of the given sentence. Mother said, "I'm worried about your safety.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Mother told me that she had been worried about my safety
2. Mother told me that she was worried about my safety.
3. Mother said she is worried about your safety.
4. Mother said that I was worrying about your safety.

Solution :

The correct answer is **option 2** i.e. **Mother told me that she was worried about my safety.**

Given sentence: Mother said, "I'm worried about your safety.

In indirect speech, we need to remove commas and inverted commas, and the conjunction 'that' is added.

First-person pronouns are changed according to the subject of the reporting verb. So, 'I' is changed to 'me.'

Second-person pronouns are changed according to the object of the reporting verb. So, 'you' is changed to "I."

'Am' will be changed to 'was.'

So, the final sentence is:

Mother told me that she was worried about my safety.

Question 49 :

Select the option that expresses the given sentence in passive voice. Give the child a nourishing diet.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. The child should be given a nourishing diet.
2. The child was given a nourishing diet.
3. The child must have given a nourishing diet.
4. The child is given a nourishing diet.

Solution :



The correct answer is **option 1** i.e. **The child should be given a nourishing diet.**

Given sentence: Give the child a nourishing diet. (Active voice)

Structure of active voice: V1+ Object

Structure of passive voice: Subject + should + be + V3

Sentence in passive voice: The child should be given a nourishing diet.

Question 50 :

Select the INCORRECTLY spelled word.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Retort
2. Revange
3. Retrieve
4. Return

Solution :

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

The incorrectly spelled word is "Revange".

Correctly spelled word: Revenge

Meaning: the action of hurting or harming someone in return for an injury or wrong suffered at their hands.

Example: She swore that she would have her revenge.

Question 51 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. He allowed / his son to drive / but he warn him / of the danger.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. He allowed
2. his son to drive



but he warn him

4. of the danger

Solution :

The correct answer is **option 3** i.e. **but he warn him**.

Given sentence: He allowed / his son to drive / but he warn him / of the danger.

The given sentence is in the simple past tense. So, warned should be used instead of warn.

Correct sentence: He allowed / his son to drive / **but he warned him** / of the danger.

Question 52 :

Select the option that expresses the given sentence in passive voice. She gifted me a beautiful handbag.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. I am gifted a beautiful handbag by her.
2. I was gifted a beautiful handbag by her.
3. I have been gifted a beautiful handbag by her.
4. I am being gifted a beautiful handbag by her.

Solution :

The correct answer is **option 2** i.e. **I was gifted a beautiful handbag by her**.

Given sentence: She gifted me a beautiful handbag. (Active voice)

Structure of active voice: Subject + V2 + Object

Structure of passive voice: Object + was/were + V2 + Subject

Sentence in passive voice: I was gifted a beautiful handbag by her.

Question 53 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. The first meeting of the Standing Committee will be hold next week.

Difficulty : Moderate

Average Time : 61 Seconds

Options :



will be held next week

2. No substitution required
3. will held next week
4. will be holding next week

Solution :

The correct answer is **option 1** i.e. **will be held next week**.

Incorrect sentence: The first meeting of the Standing Committee will be hold next week.

Correct sentence: The first meeting of the Standing Committee will be held next week.

In the given sentence, 'will be' is followed by the past participle form of the verb. So, held should be used instead of hold.

Question 54 :

Select the most appropriate synonym of the given word. Taciturn

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Noisy
2. Lively
3. Verbose
4. Reserved

Solution :

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

Synonym: Words that have the same or nearly the same meaning.

Given word: Taciturn

Meaning: reserved or uncommunicative in speech; saying little.

The word that seems to be its synonym is 'reserved' as it means slow to reveal emotion or opinions.

Meaning of other words:

Noisy: making a lot of noise.

Lively: full of life and energy.



Verbose: using or expressing in more words than are needed.

Question 55 :

Select the most appropriate ANTONYM of the given word. ROUGH

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Coarse
2. Thick
3. Crude
4. Smooth

Solution :

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

Antonym: a word opposite in meaning to another.

Rough means having an uneven or irregular surface.

Smooth is the correct antonym that means having an even and regular surface.

Meaning of other words:

Coarse: rough or harsh in texture.

Thick: with opposite sides or surfaces that are far or relatively far apart.

Crude: in a natural or raw state.

Question 56 :

Select the option that can be used as a one-word substitute for the given group of words. One who supervises students in an examination hall.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Inspector
2. Invigilator
3. Teacher

Examinee

Solution :

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

One Word Substitution means using a specific word to replace a wordy phrase or sentence and making it shorter, concise, and clearer to understand.

One who supervises students in an examination hall is known as an invigilator.

Inspector is an official employed to ensure that official regulations are obeyed, especially in public services.

A person who teaches, especially in a school is known as a teacher.

A person taking an examination or test is known as an examinee.

Question 57 :

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. They can help you to decide on the right products for you. B. Advertisements can be extremely useful if they are honest. C. Teenagers are especially vulnerable to such advertisements. D. However, some advertisements may be harmful as they try to befool you.

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. CDAB
2. BCAD
3. CADB
4. BADC

Solution :

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

The given question is an example of para jumbles.

Sentence B will be the introductory line as it introduces the concept of advertisement.

Sentence A further gives more information about it.

Sentence D will be following sentence A as it tells about the disadvantages of advertisement.



Sentence C will be the last sentence as it concludes the para.

The correct sequence is:

- B. Advertisements can be extremely useful if they are honest.
- A. They can help you to decide on the right products for you.
- D. However, some advertisements may be harmful as they try to befool you.
- C. Teenagers are especially vulnerable to such advertisements.

Question 58 :

Select the most appropriate option to fill in the blank. Global warming or climate change has today become a major _____ to mankind.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

- 1. endanger
- 2. punishment
- 3. threat
- 4. penalty

Solution :

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

The most appropriate word for the filler is 'threat' which means a person or thing likely to cause damage or danger.

Question 59 :

Select the most appropriate meaning of the given idiom. Cake walk

Difficulty : Moderate

Average Time : 37 Seconds

Options :

- 1. Something easy
- 2. Something enjoyable
- 3. Something sweet
- 4. Something tasty

Solution :



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

Idioms: A group of words established by usage as having a meaning not deducible from those of the individual words.

"Cakewalk" means To be easy or effortless to achieve.

Example: The Superbowl was a cakewalk for the Forty-Niners.

Question 60 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Do you / recall to meet / her at the party / last night?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. last night
2. Do you
3. recall to meet
4. her at the party

Solution :

The correct answer is **option 3** i.e. **recall to meet**.

Given sentence: Do you / recall to meet / her at the party / last night?

Some verbs take the -ing form. So, 'meet' should be replaced by 'meeting.'

Correct sentence: Do you / **recall meeting** / her at the party / last night?

Question 61 :

Select the option that gives the most appropriate meaning of the underlined idiom. The Chairman of our company takes care of the rank and file in the company.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Documents and files
2. Only the top rank people
3. Ordinary people
4. Officers

**Solution :**

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

Idioms: A group of words established by usage as having a meaning not deducible from those of the individual words.

"Rank and file" means the ordinary members of an organization as opposed to its leaders.

Example: The rank and file are unhappy with the chairman's decision.

Question 62 :

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. Did you baked / the chocolate cake / yourself this time?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. yourself this time
2. Did you baked
3. the chocolate cake
4. No error

Solution :

The correct answer is **option 2** i.e. **Did you baked**.

Given sentence: Did you baked / the chocolate cake / yourself this time?

The auxiliary form of the verb should be used. so, 'baked' should be replaced by 'bake.'

Correct sentence: **Did you bake** / the chocolate cake / yourself this time?

Question 63 :

Select the option that can be used as a one-word substitute for the given group of words. Walk or move at a slow, relaxed pace

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Amble
2. Romp



Strut

4. Prance

Solution :

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

One Word Substitution means using a specific word to replace a wordy phrase or sentence and making it shorter, concise, and clearer to understand.

Walking or moving at a slow, relaxed pace is known as amble.

Playing roughly and energetically is known as romping.

Walking with a stiff, erect, and apparently arrogant or conceited gait is known as a strut.

Prance is moving with high springy steps.

Question 64 :

Select the most appropriate synonym of the given word. Vertical

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Parallel
2. Upright
3. Equal
4. Shaky

Solution :

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

Synonym: Words that have the same or nearly the same meaning.

Given word: Vertical

Meaning: an upright structure.

The word that seems to be its synonym is 'upright' as it means standing with the back straight.

Meaning of other words:

Parallel: side by side and having the same distance continuously between them.



Equal: being the same in quantity.

Shaky: shaking or trembling.

Question 65 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. Of the two plans submitted by the architect, this is the one more likely to be accepted.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. most likelihood
2. much likely
3. No substitution required
4. most likely

Solution :

The correct answer is **option 3** i.e. **No substitution required**.

Statement: Of the two plans submitted by the architect, this is the one more likely to be accepted.

The given sentence is correct contextually and grammatically. Hence, no improvement is required.

Question 66 :

Select the most appropriate ANTONYM of the given word. Tenacious

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Persistent
2. Relentless
3. Steadfast
4. Yielding

Solution :

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

Antonym: a word opposite in meaning to another.

Tenacious means tending to keep a firm hold of something.

Yielding is the correct antonym that means giving way under pressure; not hard or rigid.

Meaning of other words:

Persistent: continuing to exist or occur over a prolonged period.

Relentless: harsh or inflexible.

Steadfast: resolutely or dutifully firm and unwavering.

Comprehension :

Comprehension: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. The importance of physical exercise in (1) _____ the incidence of heart attacks cannot be underestimated. The rise of heart attacks has been attaining (2) _____ proportion in recent times causing grave concern, especially to the medical (3) _____. Walking is the best mode of physical exercise which (4) _____ no equipment, money, material or (5) _____ of a club.

Question 67 :

Select the most appropriate option to fill in blank number 1.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. minimising
2. maximising
3. emphasising
4. increasing

Solution :

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

The passage talks about the importance of physical exercise in day-to-day life. So, the most appropriate word for blank 4 is 'minimising' which means to reduce to the smallest possible amount or degree.

Comprehension :

Comprehension: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. The importance of physical exercise in (1) _____ the incidence of heart attacks cannot be underestimated. The rise of heart attacks has been attaining (2) _____ proportion in recent times causing grave concern, especially to the medical (3) _____. Walking is the best mode of physical exercise which (4) _____ no equipment, money, material or (5) _____ of a club.

**Question 68 :**

Select the most appropriate option to fill in blank number 2.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. capacious
2. soothing
3. low
4. alarming

Solution :

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

The passage talks about the importance of physical exercise in day-to-day life. The statement talks about the rise in heart attacks and how it has become a concern for the medical team. So, the most appropriate word for blank 2 is 'alarming' which means worrying or disturbing.

Comprehension :

Comprehension: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. The importance of physical exercise in (1) _____ the incidence of heart attacks cannot be underestimated. The rise of heart attacks has been attaining (2) _____ proportion in recent times causing grave concern, especially to the medical (3) _____. Walking is the best mode of physical exercise which (4) _____ no equipment, money, material or (5) _____ of a club.

Question 69 :

Select the most appropriate option to fill in blank number 3.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. fraternity
2. class
3. persons
4. creed

Solution :

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

The passage talks about the importance of physical exercise in day-to-day life. The statement talks about the rise in heart attacks and how it has become a concern for the medical team. So, the most appropriate word for blank 3 is 'fraternity' which is a group of people sharing a common profession or interests.

Comprehension :

Comprehension: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. The importance of physical exercise in (1) _____ the incidence of heart attacks cannot be underestimated. The rise of heart attacks has been attaining (2) _____ proportion in recent times causing grave concern, especially to the medical (3) _____. Walking is the best mode of physical exercise which (4) _____ no equipment, money, material or (5) _____ of a club.

Question 70 :

Select the most appropriate option to fill in blank number 4.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. requires
2. loses
3. finds
4. gains

Solution :

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

The passage talks about the importance of physical exercise in day-to-day life. The statement talks about the advantage of walking. So, the most appropriate word for blank 4 is 'requires' which means a need for a particular purpose.

Comprehension :

Comprehension: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. The importance of physical exercise in (1) _____ the incidence of heart attacks cannot be underestimated. The rise of heart attacks has been attaining (2) _____ proportion in recent times causing grave concern, especially to the medical (3) _____. Walking is the best mode of physical exercise which (4) _____ no equipment, money, material or (5) _____ of a club.

Question 71 :

Select the most appropriate option to fill in blank number 5.

Difficulty : Moderate

Average Time : 63 Seconds

Options :



correlation

2. scholarship

3. esemption

4. membership

Solution :

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

The passage talks about the importance of physical exercise in day-to-day life. The statement talks about the advantage of walking. So, the most appropriate word for blank 5 is 'membership' which means the fact of being a member of a group.

Question 72 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. KYBA, FTEE, AOHI, VJKO, ?, LZQA

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. QENU

2. PFNU

3. QEMI

4. QDNI

Solution :

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

The series follows the pattern:

KYBA, FTEE

$K - 5 = F$

$Y - 5 = T$

$B + 3 = 5$

Next vowel after A = E

Similarly;

VJKO,?

$V - 5 = Q$

$J - 5 = E$

$K + 3 = N$

Next vowel after O = U

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

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

Question 73 :

Pamila is the granddaughter of Akun who is married to Nikita. Murali is the brother-in-law of Akun who has two daughters but no son. Rahul is the cousin of Kamal and the brother of Pamila. Uday and Vanmay are sons-in-law of Nikita. Vanmay is married to Yamini and they have two daughters and one son. Uday has one son and one daughter. Tina and Smita are the daughters of Yamini. Murali is unmarried. How is Yamini related to Rahul?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. Daughter
2. Aunt
3. Sister
4. Mother

Solution :

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

In the diagram shown;

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



From the above figure, Yamini is aunt of Rahul.

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

**Question 74 :**

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 : 55 Seconds****Options :**

1. FIMRX
2. NQUZF
3. LOSXD
4. ZCGLS

Solution :

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

The logic used here is:

1st letter + 3 = 2nd letter

2nd letter + 4 = 3rd letter

3rd letter + 5 = 4th letter

4th letter + 6 = 5th letter

Option 1: FIMRX

F + 3 = I

I + 4 = M

M + 5 = R

R + 6 = X

This follows the logic.

Option 2: NQUZF

N + 3 = Q

Q + 4 = U

U + 5 = Z

$$Z + 6 = F$$

This follows the logic.

Option 3: LOSXD

$$L + 3 = O$$

$$O + 4 = S$$

$$S + 5 = X$$

$$X + 6 = D$$

This follows the logic.

Option 4: ZCGLS

$$Z + 3 = C$$

$$C + 4 = G$$

$$G + 5 = L$$

$$L + 6 = S$$

This does not follow the logic.

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

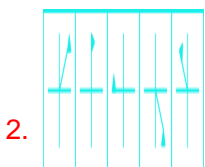
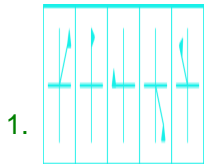
Question 75 :

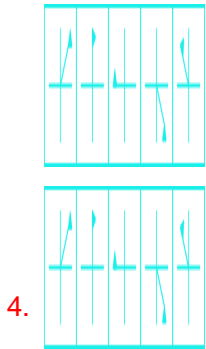
The sequence of folding a piece of paper (figure i) and the manner in which the folded paper has been cut (figure ii) is shown in the following figures. Select the option that would most closely resemble the unfolded form of figure(ii).

Difficulty : Moderate

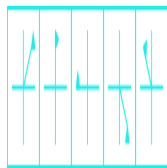
Average Time : 80 Seconds

Options :





Solution :



The correct answer is **Option 1**

After unfolding, the paper will appear as follows:



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

Question 76 :

Select the option that is related to the third term in the same way as the second term is related to the first term. PATELS : BQFUTM :: NECTAR : ?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. FOVDBS
2. FODUSZ
3. FOUSDB
4. OEUDQB

Solution :

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

The logic used here is:

PATELS : BQFUTM



Similarly,

NECTAR : ?



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

Question 77 :

In a certain code language, MONEY is written as PRQHB. In the same code language, CREDIT will be written as:

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. FUHGLW
2. FUGHLW
3. FUHGWL
4. FHGULW

Solution :

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

The logic used here is:

MONEY is written as PRQHB

M + 3 = P

O + 3 = R

N + 3 = Q



$$E + 3 = H$$

$$Y + 3 = B$$

Similarly;

Code for the word CREDIT:

$$C + 3 = F$$

$$R + 3 = U$$

$$E + 3 = H$$

$$D + 3 = G$$

$$I + 3 = L$$

$$T + 3 = W$$

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

Question 78 :

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: No pink is yellow. No yellow is white. All reds are yellows. Conclusions: I. No red is pink. II. No red is white. III. No white is yellow.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

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

Solution :

The correct answer is **Option 4** i.e. **All the conclusions follow**

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

**Conclusions:**

- I. No red is pink **True** (As no pink is yellow, and all red is yellow, so, no red is pink).
- II. No red is white **True** (As no yellows are white, and all reds are yellow, so no red is white).
- III. No white is yellow **True** (As no yellow is white).

Hence, **All the conclusions follow.**

Question 79 :

Select the correct option that indicates the arrangement of the given words in a logical and meaningful order. 1. Starfish 2. Blue whale 3. Shark 4. Giant tortoise 5. Penguin

Difficulty : Moderate

Average Time : 75 Seconds

Options :

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

Solution :

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

In this question, you need to arrange the words in a logical and meaningful order. So, the arrangement is from, smallest to largest.

So the arrangement is;

1. Starfish
5. Penguin
4. Giant tortoise
3. Shark
2. Blue whale



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

Question 80 :

Which two numbers and which two signs should be interchanged to balance the following equation? $24 \div 16 - 96 + 48 \times 12 = 195$

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 24 and 48, \times and \div
2. 24 and 16, $-$ and \div
3. 12 and 16, \times and \div
4. 12 and 48, \times and $+$

Solution :

The correct answer is **Option 3** i.e. **12 and 16, \times and \div**

Given equation: $24 \div 16 - 96 + 48 \times 12 = 195$

Let us check all the options:

Option 1: 24 and 48, \times and \div

The expression becomes:

$$= 48 \times 16 - 96 + 24 \div 12 = 195$$

$$= 674 \text{ is not equal to } 195.$$

Option 2: 24 and 16, $-$ and \div

The expression becomes:

$$= 16 - 24 \div 96 + 48 \times 12 = 195$$

$$= 591.75 \text{ is not equal to } 195.$$

Option 3: 12 and 16, \times and \div

The expression becomes:

$$= 24 \times 12 - 96 + 48 \div 16 = 195$$

$$= 195 \text{ is equal to } 195.$$

As we have found our answer, we need not check the other options.

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

Question 81 :

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

Difficulty : Moderate

Average Time : 70 Seconds

Options :

- 1.
- 2.
- 3.
- 4.

Solution :

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

The mirror image of the question figure is shown below:



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

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

Question 82 :

Which two digits should be interchanged to make the given equation correct? $384 \div 16 = 72 + 9 \times 10 = 2$

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 6 and 9
2. 4 and 8



3 and 7

4. 7 and 9

Solution :

The correct answer is **Option 4** i.e. **7 and 9**

Given equation: $384 \div 16 \ 72 + 9 \times 10 = 2$

Let us check all the options:

Option 1: 6 and 9

The expression becomes:

$$= 384 \div 19 \ 72 + 6 \times 10 = 2$$

= 8.21 is not equal to 2.

Option 2: 4 and 8

The expression becomes:

$$= 348 \div 16 \ 72 + 9 \times 10 = 2$$

= 39.75 is not equal to 2.

Option 3: 3 and 7

The expression becomes:

$$= 784 \div 16 \ 32 + 9 \times 10 = 2$$

= 107 is not equal to 2.

Option 4: 7 and 9

The expression becomes:

$$= 384 \div 16 \ 92 + 7 \times 10 = 2$$

= 2 is equal to 2.

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

Question 83 :

In a certain code language, 'her father is okay' is coded as 6583, 'my father is well' is coded as 5137, and 'her arm is injured' is coded as 2839. How will 'okay' be coded in that language?



Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 8
2. 3
3. 5
4. 6

Solution :

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

'her father is okay' is coded as 6583, 'my father is well' is coded as 5137, and 'her arm is injured' is coded as 2839

Code for the word "her" = 8

Code for the word "father" = 5

Code for the word "is" = 3

Code for the word "okay" = 6

Hence, code for the word, "Okay" = 6

Hence, the correct answer is **6**.

Question 84 :

A side of a square-shaped park is 12 m. If a squared-shaped garden with a side of 24 m is developed around the park, what will be the total area of the park including the garden?

Difficulty : Moderate

Average Time : 56 Seconds

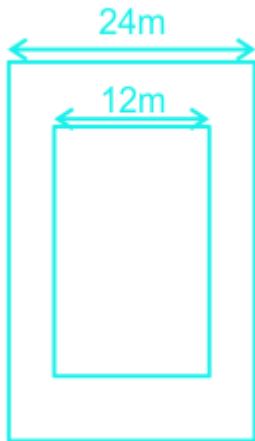
Options :

1. 324 m^2
2. 576 m^2
3. 288 m^2
4. 144 m^2

Solution :

The correct answer is **Option 2** i.e. 576 m^2

The park is developed around the square-shaped park. So, it would look like this:



So, the total area of the park including the garden = $24 \times 24 = 576 \text{ m}^2$

Hence, the correct answer is **576 m²**.

Question 85 :

Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 335
2. 129
3. 431
4. 100

Solution :

The correct answer is **Option 3** i.e. **431**

The logic used here is:

Row 1:

$$7^3 - 13^2 = 343 - 169 = 174$$

Row 2:



$$9^3 - 25^2 = 729 - 625 = 104$$

Row 3:

$$11^3 - 30^2 = 1331 - 900 = 431$$

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

Question 86 :

Four different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the one having the number '1'.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

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

Solution :

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

In the third and fourth dice, 2 and 4 are common. So, the remaining faces of the two cubes will be opposite each other.

So, 1 is opposite to 3.

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

Question 87 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. _ _ L H _ _ U _ H _ _ U _ H _ N U _ _ E N

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. E, U, N, L, N, E, L, E, H, L
2. U, E, L, E, N, N, L, H, N, E
3. U, E, N, L, E, N, L, E, L, H
4. U, E, N, L, E, L, H, L, E, H

**Solution :**

The correct answer is **Option 3** i.e. **U, E, N, L, E, N, L, E, L, H**

The sequence is – K, P, Q, R, D, A, P

Given sequence: _ L H _ _ U _ H _ _ U _ H _ N U _ _ E N

Option 1: E, U, N, L, N, E, L, E, H, L

ELHUNULHNEULHENUHLEN

Option 2: U, E, L, E, N, N, L, H, N, E

ULHEL/UEHNN/ULHHN/UNEEN

Option 3: U, E, N, L, E, N, L, E, L, H

ULHEN/ULHEN/ULHEN/ULHEN

Option 3 forms a particular pattern.

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

Question 88 :

Select the number from among the given options that can replace the question mark (?) in the following series. 16, 33, 100, 401, ?

Difficulty : Moderate

Average Time : 110 Seconds

Options :

1. 1235
2. 804
3. 1588
4. 2006

Solution :

The correct answer is **Option 4** i.e. **2006**

Given series: 16, 33, 100, 401, ?

The series follows the pattern:

$$(16 \times 2) + 1 = 32 + 1 = 33$$

$$(33 \times 3) + 1 = 99 + 1 = 100$$

$$(100 \times 4) + 1 = 400 + 1 = 401$$

$$(401 \times 5) + 1 = 2005 + 1 = 2006$$

So, the next term in the series is **2006**.

Hence, the correct answer is **2006**.

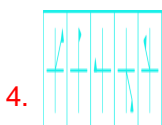
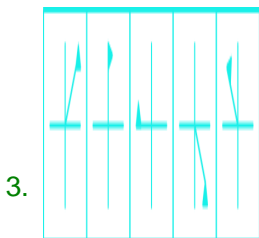
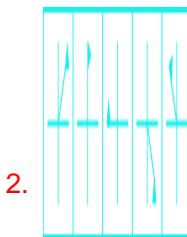
Question 89 :

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

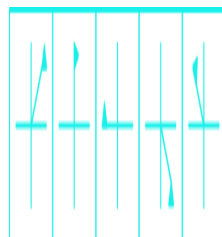
Difficulty : Moderate

Average Time : 46 Seconds

Options :

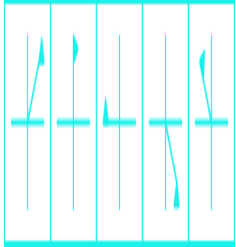


Solution :



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

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



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

Question 90 :

In the following Venn diagram, the hexagon stands for 'police officers', the pentagon stands for 'graduates', the circle stands for 'female', and the square for 'Indians'. The given numbers represent the number of persons in that particular category. How many Indian police officers are graduates but NOT females?

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. 19
2. 11
3. 8
4. 13

Solution :

The correct answer is **Option 2** i.e. 11

The number of Indian police officers who are graduates but not females is = Number that is common to square, pentagon, and hexagon = 11

Hence, the correct answer is 11.

Question 91 :

In a certain code language, 'RAKHI' is coded as 36-2-22-16-18, and 'SHALU' is coded as 38-16-2-24-42. How will 'MANJU' be coded in that language?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 13-2-28-10-24



26-2-28-20-42

3. 13-2-14-10-24

4. 26-1-14-20-42

Solution :

The correct answer is **Option 2** i.e. **26-2-28-20-42**

The logic used here is:

'RAKHI' is coded as 36-2-22-16-18 and 'SHALU' is coded as 38- 6-2-24-42

$$R = 18 = 18 \times 2 = 36$$

$$A = 1 = 1 \times 2 = 2$$

$$K = 11 = 11 \times 2 = 22$$

$$H = 8 = 8 \times 2 = 16$$

$$I = 9 = 9 \times 2 = 18$$

Similarly;

Code for the word MANJU:

$$M = 13 = 13 \times 2 = 26$$

$$A = 1 = 1 \times 2 = 2$$

$$N = 14 = 14 \times 2 = 28$$

$$J = 10 = 10 \times 2 = 20$$

$$U = 21 = 21 \times 2 = 42$$

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

Question 92 :

Select the option related to the third number in the same way as the second one is related to the first number. 23 : 441 :: 28 : ?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 692

676

3. 494

4. 528

Solution :

The correct answer is **Option 2** i.e. **676**

The logic used here is:

23 : 441

$$(23 - 2)^2 = 21^2 = 441$$

Similarly,

28 : ?

$$(28 - 2)^2 = 26^2 = 676$$

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

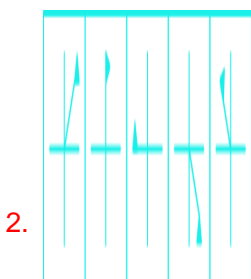
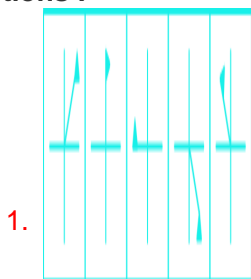
Question 93 :

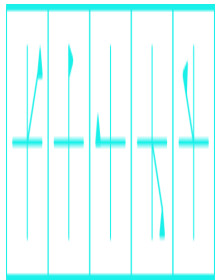
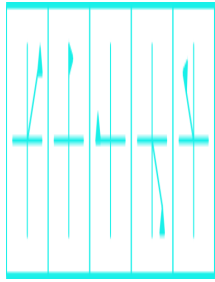
Two orientations of the same box are shown. How will this box look when unfolded?

Difficulty : Moderate

Average Time : 42 Seconds

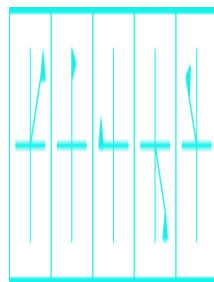
Options :





4.

Solution :



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

We will consider the first dice. 7, 6, and 4 will be adjacent to each other.

In option 1: 7 and 4 are opposite to each other.

In option 2: 7 and 6 are opposite to each other.

In option 3: 7, 6, and 4 are opposite to each other.

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

Question 94 :

Five persons are sitting in a row facing the north. One of the two persons at the extreme ends is an introvert and the other one is an extrovert. A thin person is sitting to the immediate right of an intelligent person. A weak person is sitting to the immediate left of the extrovert person. The intelligent person is sitting exactly between the introvert and the thin person. Which of the following persons is sitting at the center?

Difficulty : Moderate

Average Time : 86 Seconds

Options :

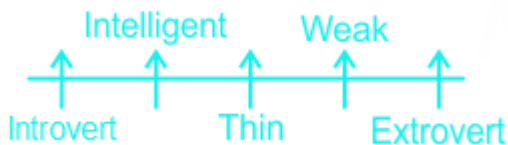
1. Weak
2. Extrovert
3. Intelligent
4. Thin

Solution :

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

1. One of the two persons at the extreme ends is an introvert and the other one is an extrovert.
2. A thin person is sitting to the immediate right of an intelligent person.
3. A weak person is sitting to the immediate left of the extrovert person.
4. The intelligent person is sitting exactly between the introvert and the thin person.

According to the question, the arrangement is as follows:



From the above arrangement, Thin is sitting at the center.

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

Question 95 :

Select the number from among the given options that can replace the question mark (?) in the following series. 10, 14, 31, 35, 73, 77, ?

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

1. 154
2. 157
3. 81
4. 90

Solution :

The correct answer is **Option 2** i.e. **157**

Given series: 10, 14, 31, 35, 73, 77, ?

The series follows the pattern:

$$10 + 4 = 14$$

$$14 \times 2 + 3 = 28 + 3 = 31$$

$$31 + 4 = 35$$

$$35 \times 2 + 3 = 70 + 3 = 73$$

$$73 + 4 = 77$$

$$77 \times 2 + 3 = 154 + 3 = 157$$

So, the next term in the series is **157**.

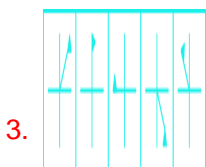
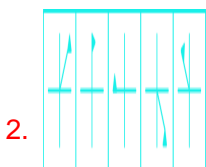
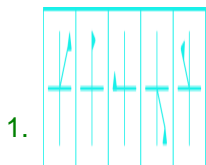
Hence, the correct answer is **157**.

Question 96 :

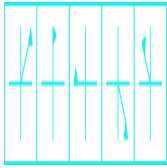
Select the figure from among the given options that can replace the question mark (?) in the following series.

Difficulty : Moderate

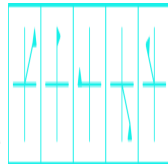
Average Time : 45 Seconds

Options :

4.



Solution :



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

The logic used here is:

The line with the arrow rotates by 45, 90, 135, and 180 degrees in the anticlockwise direction.

The series of figures:



Question 97 :

The length and the breadth of a rectangle are made to increase and decrease, respectively, by 8% and 10%. What is the percentage increase or decrease in its area?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Decrease by 1.8%
2. Decrease by 2.8%
3. Increase by 2.8%
4. Increase by 1.8%

Solution :

The correct answer is **option 2** i.e. **Decrease by 2.8%**

The length of the rectangle = Increased by 8%

The breadth of the rectangle = Decreased by 10%

Area of a rectangle = Length \times Breadth



Let the length and breadth of the rectangle be x and y respectively.

The initial area of the rectangle = xy

The final area of the rectangle = $(108x/100)(90y/100) = 243xy/250$

The decrease in area = $xy - (243xy/250) = 7xy/250$

The percentage = $[(7xy/250)/xy] \times 100\% = 14/5\% = 2.8\%$

The percentage of decrease in area is 2.8%

Question 98 :

Study the given bar graph and answer the question that follows. The bar graph shows the exports of cars of type A and B (in Rs millions) from 2014 to 2018. In which year were the exports of cars of type A Rs 55 million less than the average (per year) of cars of type B over the five years?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

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

Solution :

The correct answer is **option 4** i.e. **2014**

Total number of years = 5

Average = The sum of the terms/Number of terms

The average exports (per year) of cars of type B = $(225 + 250 + 200 + 275 + 325)/5 = 1275/5 = 255$

The exports of cars of type A in 2014 = 200

Here, $255 - 55 = 200$ (in Rs. millions)

Question 99 :

An alloy contains 40% of silver, 30% of copper and 30% of nickel. How much silver (in kg) should be added to 25kg of the alloy so that the new alloy contains 50% of silver?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 20

2. 5

3. 12

4. 10

Solution :

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

An alloy contains 40% of silver, 30% of copper, and 30% of nickel.

Total weight of the alloy = 25 kg

The required percentage of silver = 50%

The ratio of silver, copper and nickel = 40 : 30 : 30 = 4 : 3 : 3

Let the total silver, copper, and nickel be 4x, 3x, and 3x respectively.

$$4x + 3x + 3x = 25$$

$$10x = 25$$

$$4x = (25/10) \times 4 = 10$$

The weight of silver in 25 kg = 10 kg

Let the amount of silver added be y kg.

$$(10 + y) = 1/2 \times (25 + y) \text{ [50\% = 1/2]}$$

$$20 + 2y = 25 + y$$

$$2y - y = 25 - 20$$

$$y = 5$$

Question 100 :

Monthly expenditure of a family on different heads is shown in the following pie chart. The family earns Rs 1,08,000 every month. The money (Rs) spent on Misc. Expenses is how much more than the spent on Children Education?

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

1350

2. 1800

3. 1500

4. 1200

Solution :

The correct answer is **option 3** i.e. **1500**.

Income of the family = Rs. 108000/month

The total angle of all expenditures = $75^\circ + 60^\circ + 70^\circ + 65^\circ + 50^\circ + 40^\circ = 360^\circ$

The difference between Misc. Expenses and spent on Children's Education = $75^\circ - 70^\circ = 5^\circ$

Thus, the amount differences = $(5/360) \times 108000 = \text{Rs. } 1500$

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-11 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 Quantitative Aptitude, 25 questions were asked from General Awareness, 25 questions were asked from English Language and 25 questions were asked from Logical Reasoning
4. 15 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 - 4
5. Time And Work - 1
6. Time Speed And Distance - 1



- Interest - 1
- 8. Ratios And Proportion - 1
- 9. Geometry - 3
- 10. Trigonometry - 4
- 11. Mensuration - 2
- 12. Algebra - 1
- 13. Number System - 2
- 14. Profit And Loss - 1
- 15. Comparison Of Quantities - 1

General Awareness

- 1. History - 2
- 2. Polity - 2
- 3. Science - 5
- 4. Environment - 1
- 5. Geography - 2
- 6. Current Affairs - 12
- 7. Art And Culture - 1



English Language

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

Logical Reasoning

- Coding Decoding - 3
- 2. Analogy - 2
- 3. Classification - 1
- 4. Seating Arrangement - 1
- 5. Blood Relations - 1
- 6. Syllogism - 1
- 7. Venn Diagrams - 1
- 8. Dictionary Based - 1
- 9. Figure Based - 3
- 10. Matrix - 1
- 11. Series - 5
- 12. Mathematical Reasoning - 3
- 13. Cubes And Dice - 2

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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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

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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.