

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 2022-04-12 in the Evening 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 value of is:

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. $\frac{2}{7}$
2. $-\frac{4}{7}$
3. $-\frac{2}{7}$
4. $\frac{4}{7}$

Solution :

The correct answer is **option 2** i.e. $-\frac{4}{7}$

Explanation:

From the given question,

$$\frac{2}{7} - \frac{3}{8} - \left[2\frac{1}{4} \div 3\frac{1}{2} \text{ of } 1\frac{1}{3} + \left\{ 1\frac{17}{40} - \left(3 - 1\frac{1}{5} - \frac{3}{8} \right) \right\} \right]$$

$$\left\{ \frac{(16 - 21)}{56} - \left[\frac{9}{4} \cdot \left(\frac{7}{2} - \frac{4}{3} \right) + \left\{ \frac{57}{40} - \left(3 - \frac{6}{5} - \frac{3}{8} \right) \right\} \right] \right\}$$

$$\left\{ \frac{-5}{56} - \left[\frac{9}{4} \cdot \left(\frac{14}{3} \right) + \left\{ \frac{57}{40} - \left\{ \frac{(120 - 48 - 15)}{40} \right\} \right\} \right] \right\}$$

$$\left\{ \frac{-5}{56} - \left[\frac{27}{6} + \left\{ \frac{57}{40} - \frac{57}{40} \right\} \right] \right\}$$

$$\left\{ \frac{-5}{56} - \frac{27}{56} \right\} = \left\{ \frac{-32}{56} \right\} = \left\{ \frac{-4}{7} \right\}$$

Hence the value of $\frac{2}{7} - \frac{3}{8} - \left[2\frac{1}{4} \div 3\frac{1}{2} \text{ of } 1\frac{1}{3} + \left\{ 1\frac{17}{40} - \left(3 - 1\frac{1}{5} - \frac{3}{8} \right) \right\} \right]$ is $-\frac{4}{7}$.

Question 2 :

In ABC, AD is perpendicular to BC and AE is the bisector of $\angle A = 58^\circ$ and $\angle C = 34^\circ$, then find the measure of $\angle DAE$.

Difficulty : Moderate

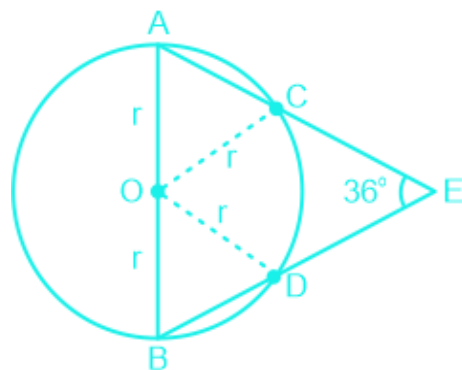
Average Time : 76 Seconds

Options :

1. 12°
2. 11°
3. 22°
4. 15°

Solution :

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



$$\angle A = 180 - \angle B - \angle C$$

$$\angle A = 180 - 58 - 34 = 180 - 92 = 88^\circ$$

Therefore, $\angle BAE = 88/2 = 44^\circ$

In triangle(BAE) ,

$$\angle BEA = 180 - \angle BAE - \angle B$$

$$\angle BEA = 180 - 44 - 58 = 180 - 102 = 78^\circ$$

In triangle(ADE),



angle(DAE) = 180 - angle(BEA) - angle(ADE)

angle(DAE) = 180 - 78 - 90 = 180 - 168 = 12°

Question 3 :

Select the most appropriate synonym of the given word. Redundant

Difficulty : Difficult

Average Time : 57 Seconds

Options :

1. Superfluous
2. Arrogant
3. Essential
4. Ignorant

Solution :

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

The meanings of the given words are as follows:

- **Redundant:** not or no longer needed or useful; superfluous.
- **Superfluous:** unnecessary, especially through being more than enough.
- **Arrogant:** having or revealing an exaggerated sense of one's own importance or abilities.
- **Essential:** absolutely necessary; extremely important.
- **Ignorant:** lacking knowledge or awareness in general; uneducated or unsophisticated.

The most appropriate synonym for **redundant** is **superfluous**.

Question 4 :

Select the most appropriate meaning of the underlined idiom in the given sentence. When I asked for an expensive dress for my friend's wedding, my mother reminded me that money does not grow on trees.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Money is freely available to spend
2. Money is like leaves of a tree and freely available
3. Money grows on shrubs and there's plenty
4. Money is hard earned and limited

**Solution :**

The correct answer is **option 4** i.e. **Money is hard-earned and limited.**

The **underlined idiomatic expression** means that money is limited and hard-earned.

Question 5 :

$\tan 2A + 5 \sec A = 13$, where $0 < A < 90^\circ$. Solve for A (in degrees).

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

1. 0
2. 60
3. 45
4. 30

Solution :

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

Let us solve this question using options.

Put $A = 60^\circ$

$$\tan^2 A + 5 \sec A = 13 \quad \left\{ (3)^{1/2} \right\}^2 + 5 \times 2 = 3 + 10 = 13$$

Question 6 :

The following bar graph shows receipts and expenditures of a business firm over 5 years, Gains = Receipts - Expenditure. What is the increasing percentage of receipts from 2017 to 2018?

Difficulty : Moderate**Average Time : 41 Seconds****Options :**

1. 6.6
2. 25
3. 2.5
4. 20

Solution :



The correct answer is **option 2** i.e. **25**

Receipts in 2017 = 64

Receipts in 2018 = 80

Net increase = $80 - 64 = 16$

Increase% = $(16/64) \times 100 = (1/4) \times 100 = 25\%$

Question 7 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. As it has been raining heavily / since two hours, / the children are / at home.

Difficulty : **Difficult**

Average Time : **40 Seconds**

Options :

1. at home
2. since two hours,
3. As it has been raining heavily
4. the children are

Solution :

The correct answer is **option 2** i.e. **since two hours**.

- The error lies in the second part of the sentence.
- 'Since' in the given part of the sentence is erroneously used. Instead of 'since', we should use 'for'.
- **Always remember:**
 - **For** is used in a sentence to describe the past, present, and future.
 - **Since** is used to point in time in the past.
- As far as the sentence is considered, two hours is a period of time. Thus, 'for' will be used.

The correct sentence is:

*As it has been raining heavily **for two hours**, the children are at home.*

Question 8 :

Select the most appropriate ANTONYM of the given word. Linger

Difficulty : **Moderate**

Average Time : **66 Seconds**

Options :



Leave

2. Choose
3. Entertain
4. Annoy

Solution :

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

The meaning of the given words are:

- **Linger:** stay in a place longer than necessary because of a reluctance to leave.
- **Leave:** go away from
- **Choose:** pick out (someone or something) as being the best or most appropriate of two or more alternatives.
- **Entertain:** provide (someone) with amusement or enjoyment.
- **Annoy:** make (someone) a little angry; irritate.

The most appropriate antonym of the given word "**Linger**" is "**Leave**".

Question 9 :

Select the option that can be used as a one-word substitute for the given group of words. The examination or observation of one's own mental and emotional processes.

Difficulty : Difficult

Average Time : 66 Seconds

Options :

1. Assessment
2. Introspection
3. Inspection
4. Valuation

Solution :

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

The meaning of the given words is:

- **Assessment:** the action of assessing someone or something.
- **Introspection:** the examination or observation of one's own mental and emotional processes.



Inspection: careful examination or scrutiny.

- **Valuation:** an estimation of the worth of something, especially one carried out by a professional valuer.

Clearly, the most appropriate one-word substitution for the given set of words is **Introspection**.

Question 10 :

Given below are four sentences which are jumbled. Pick the option that gives their correct order. A. Schools are closed for the Christmas and winter break at this time of the year. B. Christmas and New Year are the time of the year to celebrate. C. All over the city, winter carnivals and Christmas bazaars lend fun and warmth in the cold. D. For the second time in a row, we are likely to see restrained celebrations for fear of the pandemic raising its ugly head again.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. BADC
2. BACD
3. ABCD
4. BCDA

Solution :

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

- The first statement of a para-jumbled sentence will always be an independent general statement, a noun, a universal fact, starting of an incident, or it starts with 'most' or 'once'.
- Clearly, **sentence B** is an introductory sentence as it talks about Christmas and the new year.
- **Sentence A** further tells us about the holidays that are provided during this time of the year.
- **Sentence C** follows Sentence A and talks about winter carnivals and Christmas bazaars during the time of Christmas and New Year.
- **Sentence D** will be the closing statement which talks about the hindrance caused to these celebrations after the covid struck.

Thus, the correct paragraph is:

Christmas and New Year are the time of the year to celebrate. Schools are closed for the Christmas and winter break at this time of the year. For the second time in a row, we are likely to see restrained celebrations for fear of the pandemic raising its ugly head again. For the second time in a row, we are likely to see restrained celebrations for fear of the pandemic raising its ugly head again.

Question 11 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. We

have (A)/ not met (B)/ some of our friends(C) / since six months. (D)

Difficulty : Moderate

Average Time : 93 Seconds

Options :

1. since six months
2. We have
3. not met
4. some of our friends

Solution :

The correct answer is **option 1** i.e. **since six months**.

- The error lies in **part A** of the given sentence.
- 'Since' in the given part of the sentence is erroneously used. Instead of 'since', we should use 'for'.
- **Always remember:**
 - **For** is used in a sentence to describe the past, present, and future.
 - **Since** is used to point in time in the past.
- As far as the sentence is considered, six months is a period of time. Thus, 'for' will be used.

The correct sentence is:

*We have not met some of our friends **for** six months.*

Question 12 :

Select the most appropriate meaning of the given idiom. Lie low

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Sit on a low chair
2. Lie down and relax after a tiring day
3. Fly a plane at a low altitude
4. Try not to be noticed

Solution :

The correct answer is **option 4** i.e. **Try not to be noticed**.

- The meaning of the given idiom '**Lie low**' is to **keep out of sight; avoid detection or attention**.

Thus, the most appropriate option for the same is **option 4** i.e. **Try not to be noticed**.

Question 13 :

Select the correct active voice form of the given sentence. All the prize-winning books have been displayed on the tables.

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

1. We have to display all the prize winning books on the tables.
2. We are displaying all the prize winning books on the tables.
3. We have displayed all the prize winning books on the tables
4. We will be displaying all the prize winning books on the tables.

Solution :

The correct answer is **option 3** i.e. **We have displayed all the prize-winning books on the tables**.

- **Sentence structure of passive voice:** Subject + has/have + V3 + Object.
- **Sentence structure of active voice:** Object + has/have + been + V3 + by + Subject.
- '**All the prize-winning books**' is the subject of the given sentence, and '**We**' is the object of the sentence.
- While conversion, the **subject** and **object** always interchange places.
- '**have been displayed**' will be changed to '**have displayed**'.

The correct active voice sentence is:

We have displayed all the prize-winning books on the tables.

Question 14 :

Select the correct active voice form of the given sentence. All the inmates were rescued from the building by the firemen.

Difficulty : Moderate**Average Time : 77 Seconds****Options :**

1. The firemen are rescuing all the inmates from the building.
2. The firemen have been rescuing all the inmates from the building.
3. The firemen have rescued all the inmates from the building.
4. The firemen rescued all the inmates from the building.

Solution :



The correct answer is **option 4** i.e. **The firemen rescued all the inmates from the building.**

- **Sentence structure of passive voice:** Subject + V2 + Object.
- **Sentence structure of active voice:** Object + was/were+ V3 + Subject.
- '**All the inmates**' is the subject of the given sentence, and '**the firemen**' is the object of the sentence.
- On conversion, the **subject** and **object** always interchange places.
- '**were rescued**' will be changed to '**rescued**'.
- The preposition **by** will be removed.

The correct active voice sentence is:

The firemen rescued all the inmates from the building.

Question 15 :

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. How many / eggs were put / into the basket?

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. How many
2. No error
3. eggs were put
4. into the basket

Solution :

The correct answer is **option 2** i.e. **No error.**

- There is no error in any segment of the given sentence.
- 'Eggs' is in the plural, so is the auxiliary verb it is followed by, i.e., were.
- Thus, everything in the given sentence is arranged correctly.

The correct sentence is:

How many eggs were put into the basket?

Question 16 :

Select the most appropriate option to fill in the blank. This app is a very _____ one for online shopping.



Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. convenience
2. competency
3. convenient
4. capable

Solution :

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

- **Convenience:** the state of being able to proceed with something without difficulty.
- **Competency:** the ability to do something successfully or efficiently.
- **Convenient:** fitting in well with a person's needs, activities, and plans.
- **Capable:** having the ability, fitness, or quality necessary to do or achieve a specified thing.

The correct sentence is:

This app is a very convenient one for online shopping.

Question 17 :

Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. We might as well watch a film on TV as there's nothing much to do.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. No improvement required
2. may as such
3. may as well as
4. might well

Solution :

The correct answer is **option 1** i.e. **No improvement required**.

- There is no error in the underlined part of the sentence.
- After the modal verb, we should always use the base form of the verb.
- Here in the given sentence, the modal "might" is followed by 'watch', which is in its base form.



Thus, the correct sentence is:

We might as well watch a film on TV as there's nothing much to do.

Question 18 :

Select the option that can be used as a one-word substitute for the given group of words. A medical condition in which somebody partly or completely loses their memory

Difficulty : Difficult

Average Time : 62 Seconds

Options :

1. Amnesia
2. Asphyxia
3. Anaemia
4. Alopecia

Solution :

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

The meaning of the given words is:

- **Amnesia:** The loss of memories, such as facts, information, and experiences.
- **Asphyxia:** a condition arising when the body is deprived of oxygen, causing unconsciousness or death; suffocation.
- **Anemia:** A condition in which you lack enough healthy red blood cells to carry adequate oxygen to your body's tissues.
- **Alopecia:** A disease that happens when the immune system attacks hair follicles and causes hair loss.

Thus, the most appropriate one-word substitution for the given set of words is **Amnesia**.

Question 19 :

Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. He's not so friendly like she is.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. as friendly as

as friendly like

3. so friendly that

4. No improvement required

Solution :

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

- There is a grammatical error in the underlined part of the sentence.
- Here in the sentence, instead of '**so friendly like**', we should use '**as friendly as**'.
- So is a degree verb that is used to modify adjectives and other adverbs. Hence is used to indicate '**a great extent**.'
- To connect a result with a cause, we use the connector '**as**'.

Thus, the correct sentence is:

*He's not **as friendly as** she is.*

Question 20 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Statutory
2. Stratagy
3. Stationary
4. Stationery

Solution :

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

The meaning and correct spelling of the given words are:

- **Statutory**: required, permitted, or enacted by statute.
- **Strategy**: a plan of action designed to achieve a long-term or overall aim.
- **Stationary**: not moving or not intended to be moved.
- **Stationery**: writing and other office materials.

Thus, the incorrectly spelled word is **strategy**.

**Question 21 :**

The following bar graph shows the number of youth (in lakhs) and the number of employed youth (in lakhs) in five states A, B, C, D and E. Which state(s) has employed youth less than 80% of its total youth population?

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

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

Solution :

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

We can clearly see from the graph that D has total of 10 lakhs youth and 7.5 lakhs youth employed which is less than 80% of 10.

$$80\% \text{ of } 10 = 8$$

Question 22 :

A person's salary was decreased by 50% and subsequently increased by 50% and then again increased by 100%. How much percentage does he lose or gain?

Difficulty : Moderate**Average Time : 42 Seconds****Options :**

1. Loss of 40%
2. Gain of 50%
3. Gain of 25%
4. Loss of 40%

Solution :

The correct answer is **option 2** i.e. **Gain of 50%**

Explanation:

Let us suppose that the salary of the person was Rs. 100



After a decrease of 50%, it becomes $100 \times (50/100) = \text{Rs } 50$

Then, after an increase of 50% it becomes $50 \times (150/100) = \text{Rs } 75$

Again, after an increase of 100% it becomes $75 \times (200/100) = \text{Rs } 150$

He thus gained Rs 50.

Gain% = $(50/100) \times 100 = 50\%$

Hence the gain is 50%.

Question 23 :

A dealer allows his customers a discount of 18% and still gains 24%. If an article costs Rs 1560 to the dealer, what is its marked price to the nearest Rs)?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 2565
2. 2024
3. 2168
4. 2359

Solution :

The correct answer is **option 4** i.e. **2359**

The cost price of the item = Rs 1560

He gains 24% on this.

Gain = $1560 \times (24/100) = \text{Rs } 374.4$ Rs 375

Thus, the selling price = $1560 + 375 = \text{Rs } 1935$

He gave an 18% discount on the Marked Price.

Let us suppose that the Marked Price was Rs m

So, $m \times [(100 - 18)/100] = 1935$

$m = (1935 \times 100)/82 = \text{Rs } 2359.75$ Rs 2359

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. If the total number of girls from all five schools is represented as a pie chart, then what will be the measure of the sector angle (to the nearest integer) corresponding to school B?

Difficulty : Moderate**Average Time : 63 Seconds****Options :**

1. 48°
2. 32°
3. 58°
4. 42°

Solution :

The correct answer is **option 4** i.e. 42°

Let the total number of students in all schools = $100x$

Thus, the number of students, number of girls and numbers of boys in every school is as follows:

| School | Total Students | Number of girls | Number of Boys |
|--------|----------------|-----------------|----------------|
| A | $28x$ | $12x$ | $16x$ |
| B | $15x$ | $6x$ | $9x$ |
| C | $24x$ | $15x$ | $9x$ |
| D | $18x$ | $6x$ | $12x$ |
| E | $15x$ | $12x$ | x |

Total number of girls = $12x + 6x + 15x + 6x + 12x = 51x$

The ratio of the number of girls in school B to the total number of girls in all schools = $6x/51x = 2/17$

The sector angle will be = $(2/17) \times 360 = 42.34 \approx 42^\circ$

Question 25 :

A and B are two prime numbers such that $A > B$ and their LCM is 209. The value of $A^2 - B$ is:

Difficulty : Moderate**Average Time : 100 Seconds**

**Options :**

1. 350
2. 372
3. 361
4. 339

Solution :

The correct answer is **option 1** i.e. **350**

LCM of the two numbers = 209 = 19×11

The two numbers are 19 and 11

A = 19 and B = 11

$$A^2 - B = 19^2 - 11 = 361 - 11 = 350$$

Question 26 :

The following histogram shows the marks scored by 40 students in a test of 30 marks. A student has to score a minimum of 10 marks to pass the test. What is the percentage of students who scored 20 or more marks? (correct to one decimal place)

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 15%
2. 57.5%
3. 55%
4. 37.5%

Solution :

The correct answer is **option 4** i.e. **37.5%**

Number of students who scored 20 or more marks = 15

Thus, their percentage = $(15)/40 \times 100 = 300/8 = 37.5\%$

Question 27 :

How many small solid spheres each of 5 mm radius can be made out of a metallic solid cone whose base has radius 21 cm and height 30cm?



Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. 32000
2. 26460
3. 25000
4. 18260

Solution :

The correct answer is **option 2** i.e. **26460**

$$\text{Volume of cone} = (1/3) \times (22/7) \times r^2 \times h$$

Here, $r = 21\text{cm}$ and $h = 30\text{ cm}$

$$\text{Volume of cone} = (1/3) \times (22/7) \times 21^2 \times 30\text{ cm}^3$$

$$\text{The volume of a sphere} = (4/3) \times (22/7) \times r^3$$

Here, $r = 5\text{ mm} = 0.5\text{ cm}$

$$\text{The volume of a sphere} = (4/3) \times (22/7) \times (0.5)^3\text{ cm}^3$$

Number of spheres that can be made = Volume of cone/volume of a sphere

$$\{(1/3) \times (22/7) \times 21^2 \times 30\} / \{(4/3) \times (22/7) \times (0.5)^3\}$$

Thus, Number of spheres that can be made = 26460

Question 28 :

The 8A5146B is divisible by 88, then what is the value of BA?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 81
2. 64
3. 15
4. 12

Solution :



The correct answer is **option 2** i.e. **64**

The number must be divisible by 8 and 11.

If $8A5146B$ is divisible by 8, then $46B$ must be divisible by 8

Thus, $B = 4$ such that 464 is divisible by 8.

$8A51464$ must be divisible by 11.

Thus, $(4 + 4 + 5 + 8) - (6 + 1 + A) = 14 - A$ must be divisible by 11.

The only value of A is 3 such that $14 - 3 = 11$ is divisible by 11.

Thus, $A = 3$ and $B = 4$

$$B^A = 4^3 = 64$$

Question 29 :

The angles of a triangle are $(8x - 15)^\circ$, $(6x - 11)^\circ$ and $(4x - 10)^\circ$. What is the value of x ?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 12

2. 16

3. 15

4. 18

Solution :

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

The sum of interior angles of a triangle = 180°

$$8x - 15 + 6x - 11 + 4x - 10 = 180$$

$$18x - 36 = 180$$

$$18x = 216$$

$$x = 12$$

Question 30 :

If $x - y + z = 0$, then find the value of $(\frac{y^2}{2xz}) - (\frac{x^2}{2yz}) - (\frac{z^2}{2xy})$

**Difficulty : Moderate****Average Time : 40 Seconds****Options :**

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

Solution :The correct answer is **option 1** i.e. $\frac{3}{2}$ If $x - y + z = 0$, then let us assume that $x = 1$, $y = 2$ and $z = 1$

$$\frac{y^2}{2xz} - \frac{x^2}{2yz} - \frac{z^2}{2xy} = \frac{4}{2} - \frac{1}{4} - \frac{1}{4} = 2 - \frac{1}{4} - \frac{1}{4} = 2 - \frac{1}{2} = \frac{3}{2}$$

Question 31 :If $2k\sin 30^\circ \cos 30^\circ \cot 60^\circ =$, then find the value of k .**Difficulty : Moderate****Average Time : 49 Seconds****Options :**

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

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

$$2k\sin 30^\circ \cos 30^\circ \cot 60^\circ = \frac{\cot^2 30^\circ \sec 60^\circ \tan 45^\circ}{\operatorname{cosec}^2 45^\circ \operatorname{cosec} 30^\circ}$$

$$2k \times \left(\frac{1}{2}\right) \times \left(3^{1/2}/2\right) \times \left(1/3^{1/2}\right) = (3 \times 2 \times 1)/(2 \times 2)$$

$$2k \times (1/4) = 3/2$$

$$2k \times (1/2) = 3$$

$$k = 3$$

**Question 32 :**

A, B and C invested Rs 40,000, Rs 48,000 and Rs80,000, respectively, for a business at the start of a year. After six months, for the remaining time of the year. A added Rs 4,000, B added Rs 4,000 while C withdraw Rs 4,000 every month. If the total profit is Rs 6,72,000, then what C's share (in Rs)?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 1,96,750
2. 1,80,480
3. 2,11,200
4. 2,80,320

Solution :

The correct answer is **option 4** i.e. **2,80,320**

Explanation:

The investment made by A = $40 \times 12 + 4 + 8 + 12 + 16 + 20 + 24 = 564$

The investment made by B = $48 \times 12 + 4 + 8 + 12 + 16 + 20 + 24 = 660$

The investment made by C = $80 \times 12 - 4 - 8 - 12 - 16 - 20 - 24 = 876$

The ratio of investment made by A, B, and C = $564 : 660 : 876$

The share of C from profit = $(876/2100) \times 6,72,000 = 2,80,320$

Hence share of C is Rs 2,80,320

Question 33 :

A certain sum on simple interest becomes Rs 49,600 in 3 years and Rs 56,000 in 5 years. If the rate of interest has been 2% more, then in how many years would the sum have doubled?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 10
2. 8
3. 12

20

Solution :

The correct answer is **option 1** i.e.10

Difference between the sum in 3 years and 5 years = $56000 - 49600 = \text{Rs } 6400$

Interest accrued in 1 year $6400/2 = \text{Rs } 3200$

Interest in 3 years = $\text{Rs } 9600$

So, the principal = $49600 - 9600 = \text{Rs } 40000$

And Rate of interest = $3200 \times (100/40000) = 8\%$

If the rate had been 10%, then interest in 1 year = $(10/100) \times 40000 = \text{Rs } 4000$

To double the Principal amount, we have to accrue an interest of $\text{Rs } 40000$ which will take 10 years with $\text{Rs } 4000$ per year as interest

Question 34 :

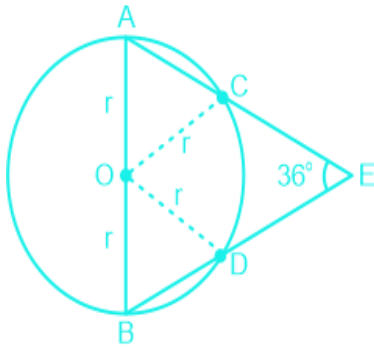
In a circle, ABCD is a cyclic quadrilateral. AC and BD intersect each other at P. If $\angle BAC = 48^\circ$, then the measure of $\angle ADC$ is

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

1. 104°
2. 112°
3. 132°
4. 114°

Solution :

The correct answer is **option 4** i.e.114°



If $AB = AC$, then triangle ABC is an isosceles triangle.

If $\text{angle}(BAC) = 38^\circ$

Then, $\text{angle}(ABC) = \text{angle}(BCA) = 66^\circ$

In a cyclic quadrilateral, The sum of opposite angles is 180

If $\text{angle}(ABC) = 66^\circ$, then $\text{angle}(ADC) = 114^\circ$

Question 35 :

Five men and 2 boys can do in 30 days as much work as 7 men and 10 boys can do in 15 days. How many boys should join 40 men to do the same work in 4 days?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 10
2. 15
3. 12
4. 14

Solution :

The correct answer is **option 1** i.e.10

Let the work done in one day by a man = m and by a boy = b

According to the given question,

$$30 \times (5m + 2b) = 15 \times (7m + 10b)$$

$$2 \times (5m + 2b) = (7m + 10b)$$



$$10m + 4b = 7m + 10b$$

$$3m = 6b \quad m = 2b$$

Thus, a man can do as much work in a day done by two boys in a day.

Let the $m = 2$, $b = 1$ and the number of boys required = B

$$\text{So, } 30 \times (5m + 2b) = 4 \times (40m + B)$$

$$30 \times (10 + 2) = 4 \times (80 + B)$$

$$30 \times 12 = 4 \times (80 + B)$$

$$30 \times 3 = 80 + B \quad B = 90 - 80 = 10$$

Question 36 :

A journey of 900 km is completed in 11 h. If two-fifth of the journey is completed at the speed of 60 km/h, at what speed (in km/h) is the remaining journey completed?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 108
2. 72
3. 84
4. 90

Solution :

The correct answer is **option 1** i.e. **108**

Concept Used:

Distance = speed \times time

Average speed = Total Distance/Time Taken

Explanation:

The average speed of the journey = $900/11$ kmph

According to the question,

Total distance = 900 km



He traveled $\frac{2}{5}$ of the total distance at 60 kmph. Distance traveled = $(\frac{2}{5}) \times 900 = 360$ km

Thus, Time taken to travel this distance = $360/60 = 6$ hours

Time taken to travel the remaining 540 km = $540/s$, where 's' is the speed with which he covered this distance.

Average speed = $900/\{6 + 540/s\}$

$$900/11 = 900/\{6 + 540/s\}$$

$$6 + 540/s = 11 \quad 540/s = 5$$

$$540/5 = s$$

Thus, $s = 108$ kmph

Hence, the remaining journey is completed with the speed of 108 kmph.

Question 37 :

The average of 15 numbers is 30, while the average of 13 of these numbers is 32. If the remaining two numbers are equal, then what is each of the two numbers?

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

1. 34
2. 31
3. 17
4. 16

Solution :

The correct answer is **option 3** i.e. 17

Given:

Average of 15 numbers = 30

Average of 13 numbers = 32

Concept Used:

Sum of terms = average of terms \times number of terms

Explanation:

Let the two equal numbers = x

(Sum of the 13 numbers) + $2x = 450$

Sum of the 13 numbers = $13 \times 32 = 416$

Thus, $416 + 2x = 450$

$2x = 450 - 416$

$2x = 34$

Thus, $x = 17$

Hence each of the two numbers is 17.

Question 38 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. LGG, PJJ, KMO, OPT, LSG, ?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. PVL
2. OVK
3. NUL
4. PUK

Solution :

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

Given series: LGG, PJJ, KMO, OPT, LSG, ?

The series follows this pattern:

$L + 4 = P$

$G + 3 = J$

$G + 5 = L$

Opposite of P = K

$J + 3 = M$

Opposite of L = O

K + 4 = O

M + 3 = P

O + 5 = T

Opposite of O = L

P + 3 = S

Opposite of T = G

L + 4 = P

S + 3 = V

G + 5 = L

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

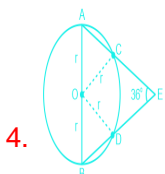
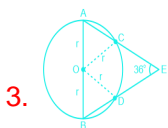
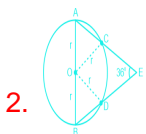
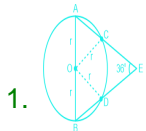
Question 39 :

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

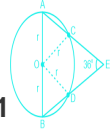
Difficulty : Moderate

Average Time : 57 Seconds

Options :

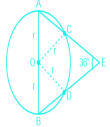


Solution :



The correct answer is **option 1** .

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



Question 40 :

Select the letter cluster that can replace the question mark (?) in the following series. YZT, WXR, UVP, ?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

- 1. TSM
- 2. TSO
- 3. STM
- 4. STN

Solution :

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

Given series: YZT, WXR, UVP, ?

The series follows this pattern:

YZT, WXR

$Y - 2 = W$

$Z - 2 = X$

$T - 2 = R$

Similarly;

UVP, ?

$U - 2 = S$



$$V - 2 = T$$

$$P - 2 = N$$

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

Question 41 :

A cube of side 125 cm is painted red on all the faces and then cut into smaller cubes of sides 25 cm each. Find the number of smaller cubes having at least two faces painted.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 48

2. 36

3. 44

4. 53

Solution :

The correct answer is **option 3** i.e. **44**.

Length of the bigger cube = 125 cm

Length of the smaller cube = 25 cm

The number of smaller cubes having at least two faces painted = Total number of cubes - (Number of cubes with one no face painted + Number of faces with one face painted) = $125 - ((a - 2)^3 + 6(a - 2)^2)$

where $a = \text{Length of the bigger cube} \div \text{Length of smaller cube} = 125 \div 25 = 5$

$$= 125 - ((5 - 2)^3 + 6(5 - 2)^2)$$

$$= 125 - ((3)^3 + 6(3)^2)$$

$$= 125 - (27 + 6(9))$$

$$= 125 - (27 + 54)$$

$$= 125 - 81$$

$$= 44$$

Question 42 :

Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first



letter cluster. JLT : QPG :: SGB : ?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. HKY
2. KJX
3. FKX
4. GLB

Solution :

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

The logic used here is:

JLT : QPG

Opposite of J = Q

L + 4 = P

Opposite of T = G

Similarly,

SGB : ?

Opposite of S = H

G + 4 = K

Opposite of B = Y

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

Question 43 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and make the given equation correct. $55 * 126 * 14 * 520 * 30 * 5$

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. $\times, \div, =, -, +$

+, ÷, -, =, ×

3. =, ×, +, ÷, -

4. =, -, +, ÷, ×

Solution :

The correct answer is **option 1** i.e. ×, ÷, =, -, +.

Given equation: $55 * 126 * 14 * 520 * 30 * 5$

Option 1: ×, ÷, =, -, +.

After interchanging the expression becomes:

$$= 55 \times 126 \div 14 = 520 - 30 + 5$$

= 495 is equal to 495.

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

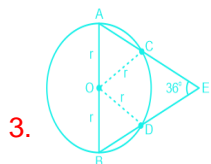
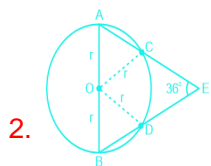
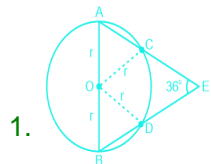
Question 44 :

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

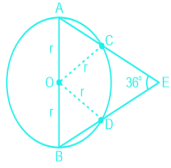
Difficulty : Moderate

Average Time : 50 Seconds

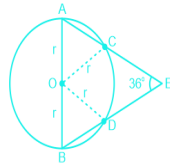
Options :



4.

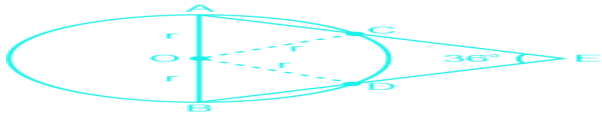


Solution :



The correct answer is **option 1**.

After unfolding, the paper will appear as follows:



Question 45 :

There are six members, P, Q, R, S, T, and U, in a family. T is the brother of P's husband. U is the mother of T. Q is the daughter of S and P and the granddaughter of R. How is R related to T?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

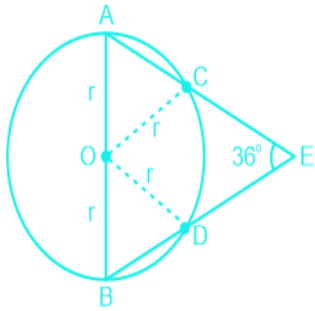
1. Father
2. Son
3. Brother
4. Uncle

Solution :

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

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 above figure, R is the father of T.

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

Question 46 :

Select the number from among the given options that can replace the question mark (?) in the following series. 61, 70, 95, ?, 225, 356

Difficulty : Moderate

Average Time : 53 Seconds

Options :

- 1. 136
- 2. 144
- 3. 182
- 4. 132

Solution :

The correct answer is **option 2** i.e. **144**.

Given series: 61, 70, 95, ?, 225, 356

The series follows this pattern:

$$61 + 3^2 = 61 + 9 = 70$$

$$70 + 5^2 = 70 + 25 = 95$$

$$95 + 7^2 = 95 + 49 = 144$$

$$144 + 9^2 = 144 + 81 = 225$$

$$225 + 11^2 = 225 + 121 = 356$$

So, the missing term in the series is **144**.

Question 47 :

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: All bean bags are chairs. All chairs are couches. All couches are sofas. Conclusions: I. Some sofas are couches. II. Some couches are bean bags. III. All couches are bean bags.

Difficulty : Moderate

Average Time : 59 Seconds

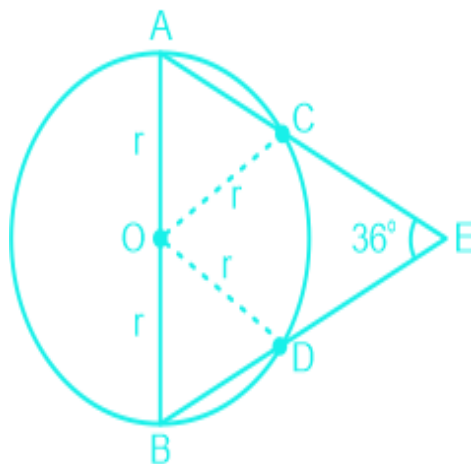
Options :

1. Only conclusions II and III follow.
2. Only conclusions I and II follow.
3. Only conclusion II follows.
4. All conclusions I, II and III follow

Solution :

The correct answer is **option 2** i.e. **Only conclusions I and II follow.**

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



Conclusions:

- I. Some sofas are couches **True** (As all couches are sofas, so some sofas can be couches.)
- II. Some couches are bean bags **True** (As all bean bags are chairs, and all chairs are couches, so, some bean bags are couches and the reverse is also true i.e some couches are bean bags.)
- III. All couches are bean bags **False** (It is possible, but no definite conclusion can be drawn.)

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

Question 48 :

Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it. 24 6 144 6 3 ? 12 5 60

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. 10

2. 15

3. 18

4. 29

Solution :

The correct answer is **option 3** i.e. **18**.

The logic used here is:

Row 1: $24 \times 6 = 144$

Row 3: $12 \times 5 = 60$

Row 2: $6 \times 3 = 18$

Hence, the correct answer is **18**.

Question 49 :

Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1. Manuscript 2. Minor 3. Melody 4. Malicious 5. Memory

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 4, 1, 3, 5, 2

2. 4, 1, 5, 2, 3

3. 1, 3, 4, 5, 2

4. 1, 4, 3, 5, 2

Solution :

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

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

So the arrangement is;

1. Malicious
2. Manuscript
3. Melody
4. Memory
5. Minor

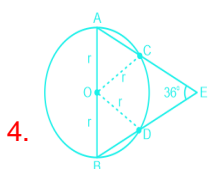
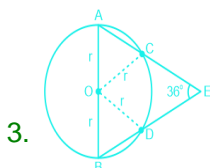
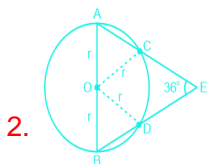
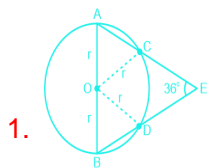
Question 50 :

Select the Venn diagram that best represents the relationship between the following. Furniture, Bed, Chair, Dining table

Difficulty : Moderate

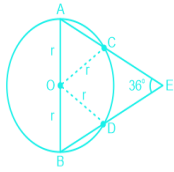
Average Time : 42 Seconds

Options :

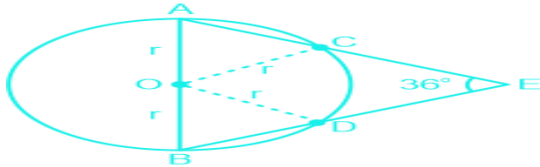


Solution :

The correct answer is **option 3**



The possible Venn diagram is:



All chairs, beds, and dining tables are furniture.

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

Question 51 :

Select the number from among the given options that can replace the question mark (?) in the following series. 352, 288, 252, 236, ?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 220
2. 208
3. 232
4. 192

Solution :

The correct answer is **option 3** i.e. **232**.

Given series: 352, 288, 252, 236, ?

The series follows this pattern:

$$352 - 8^2 = 288$$

$$288 - 6^2 = 252$$

$$252 - 4^2 = 236$$

$$236 - 2^2 = 232$$



So, the next term in the series is **232**.

Question 52 :

In a certain code language, 'DURABLES' is written as 'BSVETFMC'. How will 'FEASIBLE' be written in that language?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

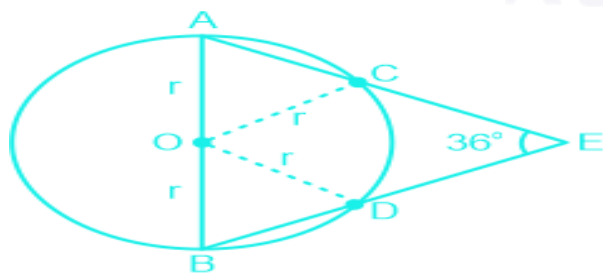
1. TBFFGMJC
2. TDFGFNCJ
3. TBGHFMDJ
4. TBFGFMCJ

Solution :

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

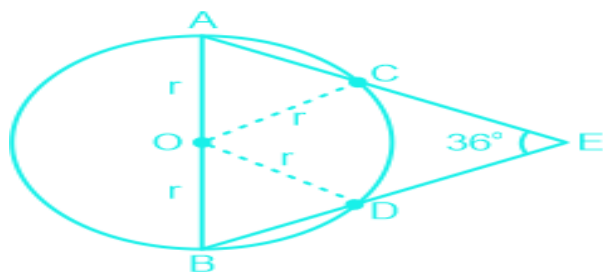
The logic used here is:

'DURABLES' is written as 'BSVETFMC'



Similarly;

Code for the word FEASIBLE:



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

Question 53 :



Avanish got 78% marks in an examination and Kapil got 64% marks in the same examination. If the sum of the marks obtained by Kapil and Avanish is 923, then find the marks obtained by Kapil in the examination.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 507
2. 416
3. 458
4. 600

Solution :

The correct answer is **option 2** i.e. **416**.

Total marks = x

According to the question;

$$78\% \text{ of } x + 64\% \text{ of } x = 923$$

$$= (78x + 64x) / 100 = 923$$

$$= 142x = 92300$$

$$= x = 650$$

Total marks = 650

Marks obtained by Kapil = 64% of x = 64 % of 650 = 416

Question 54 :

Which two signs need to be interchanged to make the following equation correct? $9 \times 98 \div 14 + 3 \ 19 = 11$

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. and +
2. + and x
3. and x
4. ÷ and

**Solution :**

The correct answer is **option 2** i.e. **+ and x**.

Given equation: $9 \times 98 \div 14 + 3 \ 19 = 11$

Option 1: and +

After interchanging the expression becomes:

$$= 9 \times 98 \div 14 - 3 + 19 = 11$$

= 79 is not equal to 11.

Option 2: + and x

After interchanging the expression becomes:

$$= 9 + 98 \div 14 \times 3 \ 19 = 11$$

= 11 is equal to 11.

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

Question 55 :

Six friends, David, Bhanu, Minto, Krita, John, and Nisan, are sitting in a circle with their backs toward the center. David and Minto are sitting to the immediate left and right of Bhanu, respectively. John is not sitting to the immediate left of David. Nisan is sitting third to the right of Bhanu. Who is sitting second to the left of Bhanu?

Difficulty : Moderate

Average Time : 65 Seconds

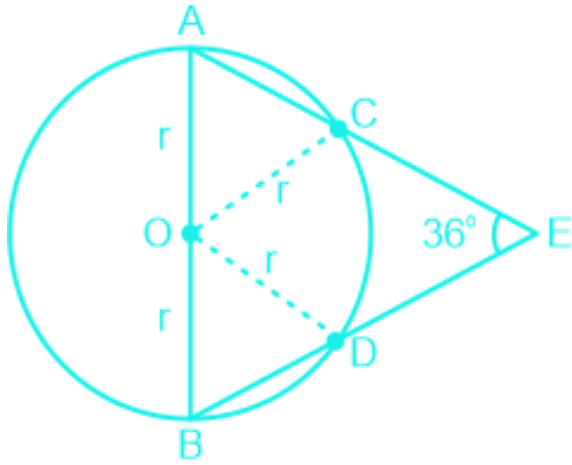
Options :

1. John
2. Krita
3. Nisan
4. Minto

Solution :

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

According to the question, the arrangement is as follows:



From the above arrangement, Krita is sitting second to the left of Bhanu.

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

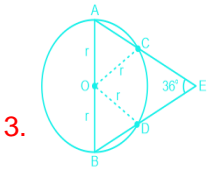
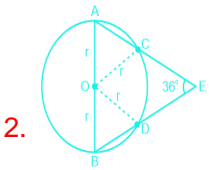
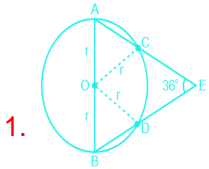
Question 56 :

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

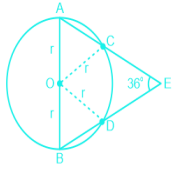
Difficulty : Moderate

Average Time : 48 Seconds

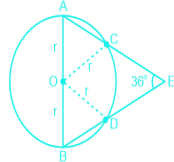
Options :



4.



Solution :

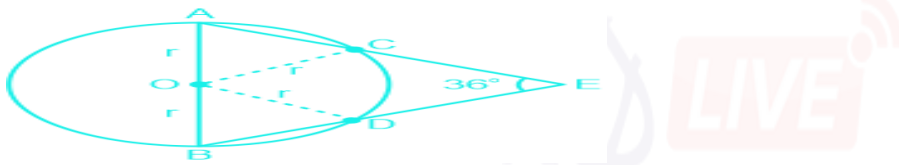


The correct answer is **option 4** i.e.

The logic used here is:

The figure is rotating by 90 degrees in the clockwise direction.

The series of figures:



Question 57 :

In a certain code language, 'take this vaccine' is written as '892', 'vaccine protects us' is written as '263', and 'take us safe' is written as '593'. How will 'safe vaccine' be written in that language?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 85
2. 25
3. 23
4. 26

Solution :

The correct answer is **option 2** i.e. **25**.

'take this vaccine' is written as '892', 'vaccine protects us' is written as '263', and 'take us safe' is written as '593'

Code for the word vaccine = 2



Code for the word safe = 5

Code for the word take = 9

Code for the word us = 3

Code for the word protects = 6

Code for the word this = 8

Hence, the code for the phrase 'safe vaccine' is 25.

Question 58 :

In a certain code language, 'SALT' is coded as '16', and 'PICKLE' is coded as '36'. How will 'PRESERVATIVE' be coded in that language?

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

1. 144
2. 88
3. 72
4. 96

Solution :

The correct answer is **Option 1** i.e. **144**

Code = (Number of letters)²

SALT:

No. of letters = 4 = (4)² = 16

PICKLE:

No. of letters = 6 = (6)² = 36

Similarly,

PRESERVATIVE:

No. of letters = 12 = (12)² = 144

Question 59 :

Select the option that is related to the third number in the same way as the second number is related to the first number.

68 : 321 :: 525 : ?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 852
2. 681
3. 778
4. 792

Solution :

The correct answer is **option 3** i.e. **778**.

The logic used here is:

68 : 321 ::

321 - 68 = 253

Similarly,

525 : ?

778 - 525 = 253

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

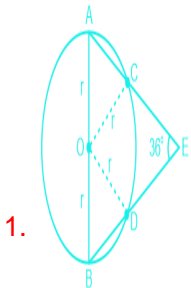
Question 60 :

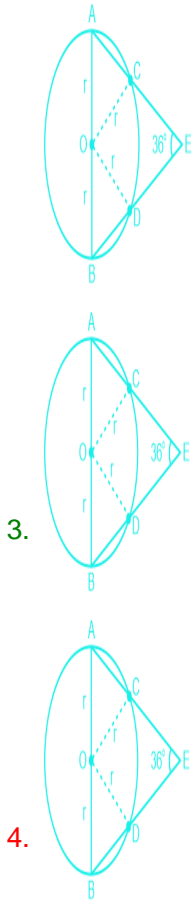
Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.

Difficulty : Moderate

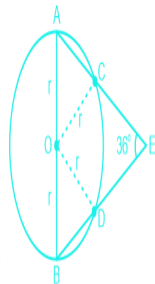
Average Time : 39 Seconds

Options :



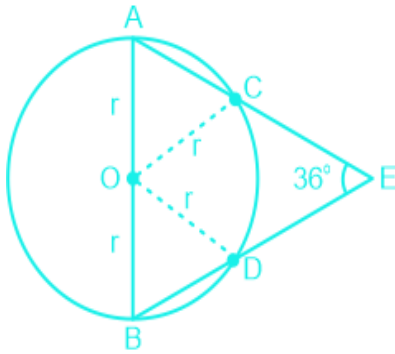


Solution :



The correct answer is **option 3** 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 3** is the correct answer.

Question 61 :

One morning, Chitrashi and Ayaan sit facing each other. If the shadow of Ayaan falls to the left of Chitrashi, then in which direction is Ayaan facing?

Difficulty : Moderate

Average Time : 76 Seconds

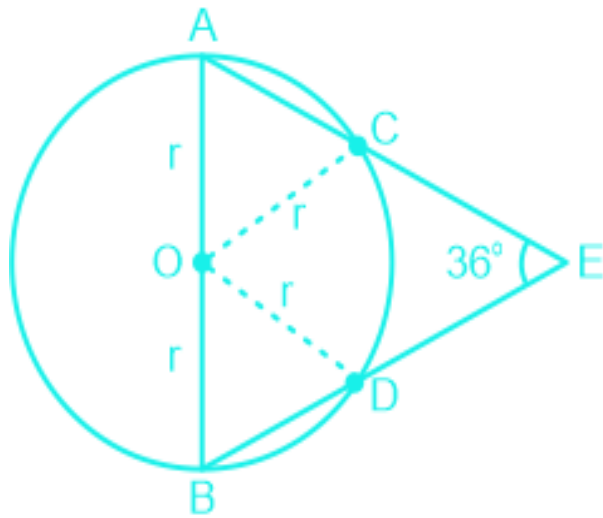
Options :

1. North
2. East
3. South
4. West

Solution :

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

Using the above information we can draw the following diagram:



From the figure, Ayaan is facing South direction.

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

Question 62 :

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

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. FUBY
2. WEKP
3. SHOL
4. PKRI

Solution :

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

The logic used here is:

Opposite of 1st letter = 2nd letter

Opposite of 3rd letter = 4th letter

Option 1: FUBY

Opposite of F = U

Opposite of B = Y

This follows the logic.

Option 2: WEKP

Opposite of W = V

Opposite of K = P

This does not follow the logic.

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

Question 63 :

_____ is a tax system that collects a greater share of income from those with high incomes than from those with lower incomes.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Proportional tax
2. Regressive tax
3. Payroll tax
4. Progressive tax

Solution :

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

Other Information-

- A **progressive tax** is a tax system that collects a greater share of income from people with higher incomes than from those with lower incomes.
- A **progressive tax** is a tax whose rate increases as income increases.
- In progressive tax, tax is levied at a lower rate at a lower income level and at a higher rate at a higher income level.
- For example, income tax is levied at a lower rate on low-income persons and at an increased rate on high-income persons.
- A progressive tax system helps in maintaining economic equality and stability in society due to its favorable taxation capacity.

Question 64 :

_____ is a form of ballad singing prevalent in Odisha.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Kajr
2. Daskathiya
3. Powada
4. Sohar

Solution :

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

Other Information-

- **Daskathiya is a form of ballad singing practiced in Odisha.**
- The '**Daskathiya**' folk dance of Odisha originated in the Ganjam district.
- Daskathiya is the name derived from a unique musical instrument called "**Kathi**" or "**Ram Tali**".
- Wooden clap is used during the presentation.

Question 65 :

As announced by the Ministry of Finance in January 2021, external debt as a ratio to GDP stood at _____ at the end of September 2020.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 21.6%
2. 18.2%
3. 16.9%
4. 12.4%

Solution :

The correct answer is **option 1** i.e. **21.6%**.

1. An indicator of how much a country owes in debt and how much it generates to service that debt is the debt-to-GDP ratio.
2. It is expressed in percentage.
3. It fell to 19.9% by the end of March 2022.

**Question 66 :**

Which of the following is an indigenous dairy breed of cattle?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Red Sindhi
2. Chippiparai
3. Kanni
4. Kombai

Solution :

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

Other Information-

- **Red is an indigenous dairy breed of Sindhi cattle.**
- **The district of this breed was earlier Sindh (Pakistan).** It is known as Red Karachi, Sindhi and Mahi.
- Red Sindhi Cattle (Cows) are medium-sized animals, and they are very beautiful in appearance.
- This breed is of medium height. Its body colour is dark red.
- Red Sindhi cattle are very hardy and strong animals.
- They are well adapted to their local climate, and some do well in other environments as well.

Question 67 :

In which of the following sessions of the Indian National Congress did George Yule become the President in 1888?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Calcutta
2. Allahabad
3. Madras
4. Bombay

Solution :

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

Other Information-

**The Indian National Congress was established in December 1885 in Bombay.**

- In the first session held in Bombay, W.C. Banerjee became the president in 1885.
- In the second session in Calcutta, Dadabhai Naoroji became the President in 1886.
- In the third session in Madras, Yad Badruddin Tyabji (the first Muslim president) became the president in 1887.
- George Yule became the President in the fourth session of Allahabad in 1888.
- George Yule was a Scottish merchant in England and India.
- George Yule was the first non-Indian President of the Indian National Congress session.

Question 68 :

The _____ Constitutional Amendment Act gave constitutional status to Panchayati Raj institutions.

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

1. 68th
2. 73rd
3. 82nd
4. 54th

Solution :

The correct answer is **option 2** i.e. **73rd**.

Other Information-

- The **73rd Constitutional Amendment Act** gave constitutional status to Panchayati Raj Institutions.
- **This act was passed in 1992** and it was a major step towards the implementation of the Panchayati Raj system in India.
- From the point of view of local self-government, constitutional recognition has been given to the formation of Panchayats through this amendment act.
- With this amendment act a new part, part 9 has been added to the constitution which is about Panchayats.
- In this part, new articles have been added from articles 243 and articles 243A to 243O.
- Similarly, Part IX (A) has been added to the Constitution by the 74th Constitutional Amendment Act. Constitutional recognition has been given to the establishment of a democratic system in the municipality by this part.
- The provisions relating to Panchayats have been mentioned from Article 243 (A) to Article 243 (O) of Part IX of the Constitution.
- Part IX has been added by an amendment to the constitution in 1992. In this part, 16 new articles and a new schedule have been added.
- Adequate provisions have been made in this part for the constitution of Panchayats in the villages, their electoral powers and responsibilities.

**Question 69 :**

The Contempt of Courts Act was passed to define and limit the powers of certain courts in punishing contempt of courts and to regulate their procedure in relation thereto. In which of the following years was the Act passed?

Difficulty : Moderate**Average Time : 95 Seconds****Options :**

1. 1971
2. 1975
3. 1969
4. 1982

Solution :

The correct answer is **option 1** i.e. **1971**.

Other Information-

- The Contempt of Courts Act was passed to define and limit the powers of certain courts to punish contempt of courts and to regulate their procedure in relation to them. The Act was passed in 1971.
- Section 12 of the Contempt of Court Act, 1971 provides for the punishment of simple imprisonment for a term which may extend to six months or with a fine which may extend to Rs.2000, or with both.
- Apart from this, the High Courts have also been empowered to punish for contempt of a subordinate court under Section 10 of the Contempt of Court Act, 1971.
- The power to punish for contempt is a constitutional power vested in the Supreme Court which cannot be curtailed or abolished even by a legislative act.

Question 70 :

Urea, a commonly used nitrogen-based fertiliser, is prepared by the reaction between ammonia and _____.

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

1. carbon dioxide
2. hydrogen
3. oxygen
4. sulphur

Solution :



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

Other Information-

- Urea, a commonly used nitrogen-based fertilizer, is prepared from the reaction between ammonia and carbon dioxide.
- **Urea is used to increase the fertility of the soil.**
- It is also used as a vehicular pollution controller.
- It is used in the manufacture of urea-formaldehyde, rangine, plastics and hydrazine.
- **DAP** is the second most widely used fertilizer in India after urea.

Question 71 :

The greater one-horned rhino is listed under Schedule _____ of the Wildlife Protection Act, 1972.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. II
2. IV
3. III
4. I

Solution :

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

Other Information-

- **The Great One Horned Rhinoceros is listed under Schedule 1 of the Wildlife Protection Act, 1972.**
- This act was enacted for the protection of plant and animal species.
- This Act is applicable to the whole country.
- Before this law, there were only five designated national parks in India.
- Presently there are **108 national parks** in India.

Question 72 :

The Government of India held a vaccination programme called 'Tika Utsav' from _____.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 11th to 14th April 2021



1st to 4th April 2021

3. 15th to 18th April 2021

4. 5th to 9th April 2021

Solution :

The correct answer is **option 1** i.e. **11th to 14th April 2021**.

Other Information-

- The Government of India organized a vaccination program named 'Tika Utsav' from 11 to 14 April 2021.
- Prime Minister Narendra Modi recently appealed to the Chief Ministers of the states to organize "Tika Utsav". Tika Utsav is a Tika festival.
- The main objective of this festival is to vaccinate as many people as possible. It will also focus on zero wastage of the COVID-19 vaccine.
- The three states that received the maximum COVID-19 dose are Maharashtra, Rajasthan and Gujarat.
- COVAXIN and COVISHIELD are the two major COVID-19 vaccines administered in India.

Question 73 :

In which Indian state will you find Mount Tiyi?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Arunachal Pradesh
2. Odisha
3. Himachal Pradesh
4. Nagaland

Solution :

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

Other Information-

- The **Tiyi Mountain** is located in **Wokha, Nagaland**.
- Nagaland is a northeastern state of India. Its capital is **Kohima**.
- It has an area of **16,579 square kilometers** and a **population of 19,80,602**, making it one of the smallest states in India.
- Situated at an altitude of 1969 meters above sea level, **Tiyi Mountain** is the most popular tourist attraction in Wokha City.



Wokha and the surrounding area is the migration area of the Lothas. Lotha is a tribe of Nagaland.

- Wokha Hill Station, situated at an altitude of about 1969 meters above sea level, is also very rich with medicinal plants.

Question 74 :

Which of the following rivers is also called Vyath?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Jhelum
2. Zaskar
3. Tawi
4. Shyok

Solution :

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

Other Information-

- **River Jhelum is also known as Vyath.**
- **Jhelum is a river flowing in northern India.**
- Vitasta is the actual name of the Jhelum River.
- Its origin is in the famous city of Verinag.
- Sheshnag originates from the Jhelum River at Sheshnag or Berinag in Jammu and Kashmir.
- **The length of the Jhelum River is 725 km.**
- Jhelum joins the Chenab River near Jhangke in Pakistan, the old name of this river is Vitasta.

Question 75 :

Who among the following was selected for Saraswati Samman 2020?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Kiran Nagarkar
2. Sachin Kundalkar
3. Prakash Amte
4. Sharankumar Limbale

Solution :

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

Other Information-

- **Sharankumar Limbale was selected for Saraswati Samman 2020.**
- Saraswati Samman of Literature is the award given by K.K. Birla Foundation.
- This award is given annually to an outstanding literary work published in one of the languages listed in the Eighth Schedule of the Constitution of India.
- The award carries a shawl, citation, insignia and an honorarium of Rs 15 lakh.
- **Saraswati Samman was started in 1991.**
- The first Saraswati Samman was given to Hindi litterateur Dr. Harivansh Rai Bachchan for his four-volume autobiography.
- Famous Marathi writer '**Dr. Sharankumar Limbale**' (Dr. Sharankumar Limbale) has been selected for the '**30th Saraswati Samman**' (30th Saraswati Samman) for the year 2020.
- Sharankumar Limbale was given this honor for his Marathi novel '**Sanatan**'.

Question 76 :

In which of the following years was the Dowry Prohibition Act passed in India?

Difficulty : Moderate**Average Time : 73 Seconds****Options :**

1. 1967
2. 1961
3. 1952
4. 1959

Solution :

The correct answer is **option 2** i.e. **1961**.

Other Information-

- **The Dowry Prohibition Act in India was passed in the year 1961.**
- Giving and taking dowry is strictly prohibited in the country under this act. This is the first national law related to dowry in India.
- The Dowry Prohibition Act was amended twice in the year 1961.
- Section 2 of the Dowry Prohibition Act, 1961 states that any property which is valuable and is transferred directly or indirectly from one to the other during the course of marriage shall be treated as dowry.
- Section 3 of the Dowry Prohibition Act, 1961 prescribes punishment for the giving and taking of dowry for a term of



not less than five years and a fine of Rs 15,000 or the value of the dowry, whichever is higher.

- Punishable under section 4 of the Act with imprisonment for a term which may extend to a minimum of six months to a maximum of five years and with a fine which may extend to Rs.15,000/-.
- Section 8 of the Dowry Prohibition Act, 1961 makes the punishment of Section 3 and Section 4 stringent, as it makes the offense non-bailable and cognizable.

Question 77 :

The Cabinet Committee on Economic Affairs (CCEA) approved an increase in the Minimum Support Prices (MSPs) for all mandated Rabi crops for the marketing season 2021–22 in line with the recommendations of the _____ Commission.

Difficulty : Moderate**Average Time : 87 Seconds****Options :**

1. Kothari
2. Nanavati
3. Swaminathan
4. Mukherjee

Solution :

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

1. Under the chairmanship of M.S. Swaminathan, Swaminathan Commission was constituted on 18 November 2004.
2. It was constituted to address the issue of farmers' suicides in the nation.
3. It submitted five reports in total from 2004 to 2006 and highlighted the reasons for farmers' suicides.

Question 78 :

What is the name of a fluid which is secreted by new mothers during the initial days of lactation, contains nutrients that boost a baby's immune system and helps fight infection?

Difficulty : Moderate**Average Time : 48 Seconds****Options :**

1. Sebum
2. Synovia
3. Colostrum
4. Cerumen

Solution :

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

Other Information-

- **Colostrum**, the fluid secreted by new mothers during the early days of breastfeeding, contains nutrients that boost the baby's immune system and help fight infection.
- After delivery, there are many changes in the mother's milk i.e. breast milk and there are many types of it, one of which is colostrum. Colostrum is considered very beneficial for the baby.
- Colostrum is yellow or orange and thick in colour but sometimes it can be clear and thin.
- Colostrum has a deep yellow or orange colour due to the high amount of beta-carotene in it. Colostrum arrives at least 5 days after delivery.
- Colostrum contains high amounts of cholesterol which helps in the development of the baby's nervous system.
- It provides zinc, calcium, vitamins A, B6 and K and helps in the all-round development of the baby.

Question 79 :

In Jharkhand, the primitive form of cultivation is called:

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. **Kuruwa**
2. **Khil**
3. **Kumari**
4. **Valre**

Solution :

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

Other Information-

- In Jharkhand, the primitive form of farming is called **Kuruva**.
- It is called Kuruva in Jharkhand, Jhum cultivation in Assam, Podu in Odisha and Andhra Pradesh, Bevar in Madhya Pradesh and Ponam in Kerala.
- In the state of Jharkhand, '**Jhum Agriculture**' is also known as 'Kuruva'.
- Under Jhum agriculture, trees and vegetation are first cut and burnt. After this, the cleared land is ploughed with old equipment (wood plough etc.) and the seeds are sown. The crop is completely dependent on nature and production is very less.
- Locally known as shifting cultivation, this system is considered an important basis of food production for a substantial population in the northeastern states of India such as Arunachal Pradesh, Nagaland, Mizoram,



Meghalaya, Tripura and Manipur.

Question 80 :

Which country does Dominic Thiem, the winner of the 2020 U.S. Open Men's Championships, represent?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. Germany
2. The US
3. Austria
4. Denmark

Solution :

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

Other Information-

- **Dominic Thiem, the winner of the 2020 US Open Men's Championship, represents Austria.**
- Dominic Thiem of Austria won the men's singles title at the US Open.
- **Dominic Thiem is an Austrian professional tennis player.**
- 3 in singles by the Association of Tennis Professionals, which he achieved for the first time in March 2020.
- **He is the second-highest-ranked Austrian player in history after former world No. 1 Thomas Muster.**

Question 81 :

The Bhaja Caves are located in _____.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Uttar Pradesh
2. Maharashtra
3. Rajasthan
4. Bihar

Solution :

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

Other Information-



Bhaja Caves are located in Maharashtra.

- The Bhaja Caves or Bhaje Caves are a group of 22 rock-cut caves that date back to the 2nd century BC, located in Pune near Lonavala, Maharashtra.
- These are rock-cut caves built in the 2nd century.
- The caves are located on the Deccan Plateau near the old caravan route halfway between Mumbai and Pune and are only 3 km from Karli; They are best reached from the small local railway station in Manavali, a 30-minute walk.

Question 82 :

In which of the following years was the civil disobedience campaign completely ceased?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 1917
2. 1934
3. 1923
4. 1943

Solution :

The correct answer is **option 2** i.e. **1934**.

Other Information-

- **The Civil Disobedience Campaign was completely ended in 1934.**
- The civil disobedience movement was started under the leadership of Mahatma Gandhi.
- This movement started with Gandhiji's Dandi March Yatra.
- Gandhiji and 78 other members of the Sabarmati Ashram embarked on a journey from Sabarmati on March 12, 1930, to a village located 241 miles from Ahmedabad.
- The civil disobedience movement was started in different forms in different provinces, with special emphasis on the boycott of foreign goods.
- The movement was withdrawn in 1934. Congress passed an important resolution in 1934 in which it demanded that a constitutional assembly elected by the people on the basis of a universal adult franchise should be convened.

Question 83 :

Gold and copper happen to absorb _____ and violet light, leaving yellow light.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

green

2. blue

3. red

4. orange

Solution :

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

Other Information-

- Gold and copper absorb blue and violet light, leaving yellow light in the spectrum.
- Hence the colour of copper and gold is yellow.
- Electrons in most metals reflect all colours equally in the visible spectrum of light.
- Hence those metals appear as white silver.

Question 84 :

The UN's Sustainable Development Goal 6 aims to _____.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. ensure healthy lives and promote well-being for all at all ages
2. ensure availability and sustainable management of water and sanitation for all
3. end poverty in all forms everywhere
4. take urgent action to combat climate change and its impact

Solution :

The correct answer is **option 2** i.e. **ensure availability and sustainable management of water and sanitation for all**.

Other Information-

- UN Sustainable Development Goal 6 aims to ensure the availability and sustainable management of water and sanitation for all.
- Adopted by the United Nations in 2015, the Sustainable Development Goals (SDGs) are 17 goals with 169 goals.
- These goals are intended to create a framework for development programmes that will focus on eradicating poverty, hunger, violence, fear and disease and promoting literacy, equality, human rights, sanitation and hygiene, education, and physical, mental and social.
- These goals are to build on the Millennium Development Goals and work towards three key areas that the United



Nations has identified for sustainability, which are economic, social and environmental development.

Question 85 :

King Lalitaditya Muktapida ruled over _____.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Gujarat
2. Sikkim
3. Kerala
4. Kashmir

Solution :

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

Other Information-

- King Lalitaditya Muktapid ruled Kashmir.
- During his reign, the Suryavanshi Digvijay Emperor Lalitaditya Muktapeedh spread to India and Russia.
- Lalitaditya Muktapid (reigned 724-761 AD) was a Hindu emperor of the Karkota dynasty of Kashmir.
- The name of Emperor Lalitaditya Muktapeedh, the epitome of courage and might, is at the highest place in the history of Kashmir.
- The longest war fought till 737-745 (AD) was known as the "Battle of Khamra" Khamra war in which 28,000 soldiers of Emperor Lalitaditya were killed and 5,20,000 soldiers of Caliph Musa were killed.

Question 86 :

Who among the following was India's longest-serving prime minister as of April 2021?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Jawaharlal Nehru
2. Indira Gandhi
3. IK Gujral
4. Narendra Modi

Solution :

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

Other Information-

- Jawaharlal Nehru was the longest-serving prime minister of India as of April 2021.
- According to the Indian Constitution, the Prime Minister is the head of the Council of Ministers of the Central Government and the Chief Advisor to the President.
- After independence i.e. from 1947 to 2019, there were 15 Prime Ministers of the country. The country's first Prime Minister Pandit Jawaharlal Nehru holds the record for the longest reign in the country.
- Jawaharlal Nehru took over as the Prime Minister of the country on 15 August 1947 after independence. After that, he remained in the post of Prime Minister till 27 May 1964 i.e. 16 years 286 days.
- Indira holds the record of being the Prime Minister for 5,829 days as the country's first woman at number two. She remained the PM continuously for 11 years and 59 days from 24 January 1966 to 24 March 1977.
- The third number Manmohan Singh took oath as PM on 22 May 2004 and till 26 May 2014 i.e. he remained Prime Minister for ten years and 2 days.

Question 87 :

Which of the following sports was included in the Khelo India Youth Games 2021 in a bid to develop it as a competitive sport?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. Mukna
2. Yogasana
3. Dhopkhel
4. Mallakhamb

Solution :

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

Other Information-

- **Yogasana** was included in the Khelo India Youth Games 2021 to develop it as a competitive sport.
- 37 states and union territories of India participated in KIYG 2021. It was conducted in 5 cities (Panchkula, Shahbad, Ambala, Chandigarh and Delhi).
- There were a total of 25 sports in these games, which included 5 indigenous sports of India – Kalaripayattu, Thang-Ta, Gatka, Mallakhambha and Yogasan.
- Sports Minister Kiren Rijiju has been included in the Khelo India Youth Games 2021 to develop yoga as a competitive sport.



Yogasan sport for both men and women categories has been included in Khelo India Youth Games, 2021.

Question 88 :

Select the most appropriate synonym of the given word. Urge

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Reply
2. Refuse
3. Protest
4. Appeal

Solution :

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

The meaning of the given words are:

- **Urge:** try earnestly or persistently to persuade (someone) to do something.
- **Reply:** say something in response to something someone has said.
- **Refuse:** indicate or show that one is not willing to do something.
- **Appeal:** make a serious, urgent, or heartfelt request.
- **Protest** a statement or action expressing disapproval of or objection to something
- The *synonym of the given word Urge* tries earnestly or persistently to persuade (someone) to do something.

Thus, the most appropriate synonym of urge would be **Appeal**.

Question 89 :

Select the option that expresses the given sentence in reported speech. The teacher said, "Asif, go and wash your hands."

Difficulty : Difficult

Average Time : 72 Seconds

Options :

1. The teacher told Asif go and wash your hands.
2. The teacher told Asif go and wash his hands.
3. The teacher told to Asif to go and wash his hands.
4. The teacher told Asif to go and wash his hands.

**Solution :**

The correct answer is **option 4** i.e. **The teacher told Asif to go and wash his hands.**

- Direct speech is used in the given sentence, thus, we need to convert the sentence into an indirect speech.
- The given sentence is in its imperative form.
- The tone of the given sentence is suggestive in nature.
- In place of comma (,) and inverted commas (" ") we should use conjunction 'to'.
- Told should be used in place of told and to is always followed by the first form of the verb.
- Second-person pronouns are changed as per the object of the reporting verb, 'your' will be replaced by 'his'.

The correct for of Indirect speech would be:

The teacher told Asif to go and wash his hands.

Question 90 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The policeman asked (a)/ many people but (b)/ no one was knowing (c)/ how the accident happened. (d)/ No error (e)

Difficulty : Moderate**Average Time : 85 Seconds****Options :**

1. how the accident happened
2. The policeman asked
3. no one was knowing
4. many people but

Solution :

The correct answer is **option 3** i.e. **no one was knowing.**

- The error lies in **part (c)** of the sentence.
- The given sentence is in indirect speech. So while changing it into a direct speech '**knew**' will used in place of '**was knowing**'.
- The second form of the verb should be changed into '**had + V3**' while in the '**direct-indirect**' conversion.
- Instead of '**no one was knowing**', we should use '**no one had known**' in the given sentence.

Thus, the correct sentence is:

*The policeman asked many people but **no one had known** how the accident happened.*

**Question 91 :**

Select the option that can be used as a one-word substitute for the given group of words. In exactly the same words as the original

Difficulty : Difficult**Average Time : 73 Seconds****Options :**

1. Verbatim
2. Copy
3. Imitation
4. Duplicate

Solution :

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

The meaning of the given words are:

- **Verbatim:** In exactly the same words as the original
- **Copy:** a thing made to be similar or identical to another.
- **Imitation:** the action of using someone or something as a model.
- **Duplicate:** exactly like something else, especially through having been copied.

The most appropriate one word substitute for the given set of words is **Verbatim**.

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. New cycle routes have been built in and around the center of Birmingham and speed limits have been (1) _____ on selected roads. The scheme has now been in (2) _____ for a year and has been hailed as a (3) _____ success. Since the new speed limits were (4) _____, the number of accidents in the area have fallen (5) _____.

Question 92 :

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

Difficulty : Moderate**Average Time : 76 Seconds****Options :**

1. shortened
2. scaled
3. lessened

reduced

Solution :

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

The meaning of the given words are:

- **Shortened:** make or become shorter.
- **Scaled:** a thick, dry flake of skin.
- **Lessened:** make or become less; diminish.
- **Reduced:** make smaller or less in amount, degree, or size

The most appropriate filler for the blank will be '**reduced**'. We are talking about the measures taken to reduce the number of accidents.

Thus, the correct sentence is:

*New cycle routes have been built in and around the center of Birmingham and speed limits have been **reduced** on selected roads.*

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. New cycle routes have been built in and around the centre of Birmingham and speed limits have been (1) _____ on selected roads. The scheme has now been in (2) _____ for a year and has been hailed as a (3) _____ success. Since the new speed limits were (4) _____, the number of accidents in the area have fallen (5) _____.

Question 93 :

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

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. operation
2. activity
3. process
4. agency

Solution :

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

The meaning of the other words are:

- **Operation:** the action of the functioning or the fact of being active or in effect.
- **Activity:** the condition in which things are happening or being done.
- **Process:** a series of actions or steps taken in order to achieve a particular end.
- **Agency:** a business or organization providing a particular service on behalf of another business, person, or group.

The most appropriate filler for the given sentence would be '**operation**'.

The correct sentence is:

*The scheme has now been in **operation** for a year and has been hailed as a great success.*

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. New cycle routes have been built in and around the centre of Birmingham and speed limits have been (1) _____ on selected roads. The scheme has now been in (2) _____ for a year and has been hailed as a (3) _____ success. Since the new speed limits were (4) _____, the number of accidents in the area have fallen (5) _____.

Question 94 :

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

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. greater
2. more greater
3. greatest
4. great

Solution :

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

- Here in the given sentence, 'success' is a noun. Thus, something that tells about the nature of nouns should always be an adjective.
- Thus, the required adjective would be great. Since the adjective is followed by 'a', it should be singular in form.

Thus, the correct sentence would be-

*The scheme has now been in operation for a year and has been hailed as a **great** success.*

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. New cycle routes have been built in and around the centre of Birmingham and speed limits have been (1) _____ on selected roads. The scheme has now been in (2) _____ for a year and has been hailed as a (3) _____ success. Since the new speed limits were (4) _____, the number of accidents in the area have fallen (5) _____.

Question 95 :

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

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. compelled
2. dictated
3. enforced
4. exacted

Solution :

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

The meaning of the given words is:

- **Compelled:** force or oblige (someone) to do something.
- **Dictated:** state or order authoritatively.
- **Enforced:** caused by necessity or force; compulsory.
- **Exacted:** demand and obtain (something) from someone

The most appropriate filler for the blank would be '**enforced**' as we are talking about something that is being imposed to improve a particular state or situation.

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. New cycle routes have been built in and around the centre of Birmingham and speed limits have been (1) _____ on selected roads. The scheme has now been in (2) _____ for a year and has been hailed as a (3) _____ success. Since the new speed limits were (4) _____, the number of accidents in the area have fallen (5) _____.

Question 96 :

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

Difficulty : Moderate

Average Time : 75 Seconds

Options :



desperately

2. extremely

3. drastically

4. terribly

Solution :

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

The meaning of given options are:

- **Desperately:** feeling or showing a hopeless sense that a situation is so bad as to be impossible to deal with.
- **Extremely:** to a very great degree; very.
- **Drastically:** in a way that is likely to have a strong or far-reaching effect.
- **Terribly:** very; extremely

The most appropriate filler would be '**drastically**' as it very well explains the tone and intensity of the given sentence.

Question 97 :

From a point P on a level ground, the angle of elevation of the top of a tower is 30° . If the tower is $110(\sqrt{3})$ m high, what is the distance (in m) of point P from the foot of the tower?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 330

2. 220

3. 115

4. 110

Solution :

The correct answer is **option 1** i.e. **330**

Let the height of the tower be AB. Tri(PAB) be a right-angles triangle with angle(A) = 90°

We have $AB = 110 \times (3)^{1/2}$ and PA = Distance of point P from the base of the tower

So, $\tan 30^\circ = \{110 \times (3)^{1/2}\}/PA$

$PA = 110 \times (3)^{1/2} \times (3)^{1/2} = 110 \times 3 = 330$

Question 98 :

In a circle with centre O, AC and Bd are two chords. AC and BD meet at E., wen produced . If AB is a diameter and $\angle AEB = 36^\circ$, then te measure of $\angle DOC$ is:

Difficulty : Moderate

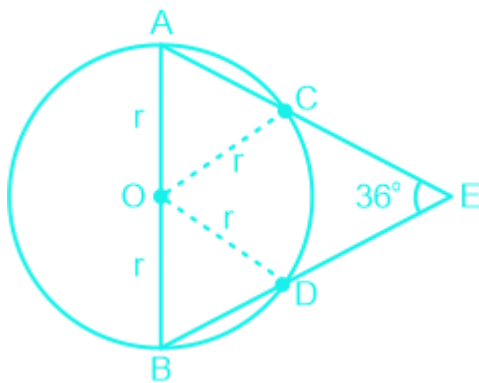
Average Time : 53 Seconds

Options :

1. 112°
2. 124°
3. 136°
4. 108°

Solution :

The correct answer is **option 4** i.e. 108°



In the given figure, $OA = OB = OC = OD = \text{Radius of the circle} = r$

Triangle(AOC) and triangle(BOD) are isosceles triangles.

Thus, let $\angle OAC$ and $\angle ACO = x$ and $\angle DBO$ and $\angle BDO$ also x°

In triangle(AEB), $2x + 36 = 180$

$$2x = 144 \quad x = 72$$

$\angle ACO + \angle ECO = 180$ (Linear Pair)

$$\angle ECO = 180 - 72 = 108^\circ$$

Similarly, $\angle EDO = 108^\circ$

Figure ECOD is quadrilateral.



Sum of all the angles = 360°

$COD + ECO + EDO + CED = 360$

$COD + 108 + 108 + 36 = 360$

$COD + 252 = 360$

$COD = 360 - 252 = 108^\circ$

Question 99 :

If $8k^6 + 15k^3 - 2 = 0$, then the positive value of $(k + \frac{1}{k})^2$ is:

Difficulty : Moderate

Average Time : 72 Seconds

Options :

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

Solution :

The correct answer is **option 1** i.e. $2\left(\frac{1}{2}\right)$

Let $k^3 = x$, then

$8k^6 + 15k^3 - 2 = 0$ becomes $8x^2 + 15x - 2 = 0$

$8x^2 + 15x - 2 = 0$ $8x^2 + 16x - x - 2 = 0$

$8x(x + 2) - 1(x + 2) = 0$

$(8x - 1)(x + 2) = 0$

Either $8x - 1 = 0$ or $x + 2 = 0$

Either $x = 1/8$ or -2

We have to find the positive value of $(k + 1/k)$ so x cannot be negative.

Thus, $x = 1/8$

$k^3 = 1/8$ $k = 1/2$

$k + 1/k = 1/2 + 2 = 2\left(\frac{1}{2}\right)$

Question 100 :

Aditya sells two wrist watches from his personal collection for Rs 12,600 each. On the first watch, he gains 26% and, on the second, he loses 10%. Find the overall gain or loss percentage.

Difficulty : Moderate**Average Time : 72 Seconds****Options :**

1. Gain of 16%
2. Gain of 5%
3. Loss of 5%
4. Loss of 12%

Solution :

The correct answer is **option 2** i.e. **Gain of 5%**

The selling price of each wristwatch is 12600

The profit on the first watch = 26%

The loss on the second watch = 10%

We know, Cost price = (Selling price) \times $[100/(100 + \text{Profit/Loss})]$

and, Profit = Profit/(Cost price) \times 100

Total selling price = 2 \times 12600 = 25200

The cost price of two watches = 12600 \times $[100/(100 + 26)]$ + 12600 \times $[100/(100 -$

10)] = $[12600 \times (100/126)]$ + $[12600 \times (100/90)]$

= 10000 + 14000

= 24000

The total profit = 25200 - 24000 = 1200

The gain percentage = $(1200/24000) \times 100 = 5\%$

The overall gain percentage is 5%

Ssc Cgl Tier I Previous Year Question Paper Analysis

Page No: 73

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The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-12 in the Evening exam is as follows:

1. 94 questions were moderate and 6 questions were hard.
2. The safe score is 140 marks.
3. 25 questions were asked from Quantitative Aptitude, 25 questions were asked from English Language, 25 questions were asked from Logical Reasoning and 25 questions were asked from General Awareness
4. 20 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 - 3
2. Comparison Of Quantities - 22

English Language

1. Comprehensive - 18
2. Vocab - 1
3. Spotting Error - 1
4. One Word Substitution - 1
5. Spellings - 1
6. Fillers - 1
7. Voice - 1
8. Sentence Improvement - 1

Logical Reasoning

1. Coding Decoding - 3
2. Analogy - 2
3. Classification - 1
4. Seating Arrangement - 1
5. Blood Relations - 1
6. Distance And Direction - 1
7. Syllogism - 1
8. Venn Diagrams - 1
9. Dictionary Based - 1

Figure Based - 4

11. Matrix - 1

12. Series - 4

13. Mathematical Reasoning - 3

14. Cubes And Dice - 1

General Awareness

1. NDA GK - 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.

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English Language
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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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