

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 2021-08-18 in the Morning 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 data given in the table shows the number of boys and girls enrolled in three different streams in a school over 5 years (2012 to 2020). Years Arts Science Commerce Boys Girls Boys Girls Boys Girls 2012 48 36 40 35 35 45 2014 42 43 42 32 42 2016 45 42 38 30 36 38 2018 39 46 41 23 28 34 2020 36 43 39 30 39 41 What is the difference between the average of the number of boys in the Commerce stream for the 5 years and the average of the number of girls in the arts stream for the 5 years?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 40
2. 10
3. 8
4. 12

Solution :

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

The average of the number of boys in the Commerce stream for the 5 years = $170/5 = 34$.

The average of the number of girls in the arts stream for the 5 years = $210/5 = 42$.

Required difference = $42 - 34 = 8$.

Question 2 :

If $x + y = 3$ and $(\frac{1}{x}) + (\frac{1}{y}) = -(\frac{3}{10})$, then the value of $(x^2 + y^2)$ is:

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

1. 29
2. 28
3. 26
4. 34

Solution :The correct answer is **option 1** i.e. **29**

It is given that,

$$x + y = 3 \text{ and } \left(\frac{1}{x}\right) + \left(\frac{1}{y}\right) = -\left(\frac{3}{10}\right).$$

$$\left(\frac{1}{x}\right) + \left(\frac{1}{y}\right) = -\left(\frac{3}{10}\right).$$

$$10(x + y) = -3xy$$

$$-10 = xy.$$

$$(x + y)^2 = 3^2$$

$$x^2 + y^2 + 2xy = 9$$

$$x^2 + y^2 = 9 + 20 = 29$$

Question 3 :

The following Bar graph represents the Export of Tea (in lakh tonnes) by two companies A and B during the years 2010 to 2015. Study the chart and answer the question written below: What is the ratio of the total exports of company B in 2011 and 2014 to the total exports of company A in 2012 and 2015?

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

1. 55 : 68
2. 68 : 55
3. 29 : 37
4. 37 : 29

Solution :

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The correct answer is **option 1** i.e. **55 : 68**

The total exports of company B in 2011 and 2014 = $75 + 200 = 275$.

The total exports of company A in 2012 and 2015 = $120 + 220 = 340$

Required ratio = $275 + 340 = 55 : 68$.

Question 4 :

What is the difference (in Rs) between the simple interest and the compound interest on a sum of Rs 8000 for $2\frac{2}{5}$ years at the rate of 10% p.a., when the interest is compounded yearly?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 147.20
2. 152.80
3. 155
4. 150

Solution :

The correct answer is **option 1** i.e. **147.20**.

Principal = 8000 , Rate = 10% and time = $2\frac{2}{5}$ years

$$SI = (P \times R \times T)/100$$

$$SI = (8000 \times (2\frac{2}{5}) \times 10)/100 = 1920$$

$$CI = P(1 + R/100)^T - P$$

$$CI = 8000(1 + 10/100)^{2\frac{2}{5}} - 8000 \quad [\text{i.e., } 10 \times (2/5) = 4\%]$$

$$CI = (10067.2 - 8000) = 2067.2$$

$$\text{Required difference} = (2067.2 - 1920) = 147.20$$

Question 5 :

The average of x occurring 5 times and y occurring 7 times is 37. Also, the average of x occurring 7 times and y occurring 5 times is 35. The value of y is:

Difficulty : Moderate

Average Time : 47 Seconds

Options :

45

2. 42

3. 30

4. 27

Solution :

The correct answer is **option 2** i.e. **42**

Here x occurs 5 times and y occurs 7 times and the average of these 12 items will be 37.

Average = (Sum of observations/ number of observation)

$$37 = (x + x + x + x + x + y + y + y + y + y + y + y)/12$$

$$5x + 7y = 37 \times 12 \dots \dots \dots (1)$$

Now according to the question,

The average of x occurring 7 times and y occurring 5 times is 35

$$7x + 5y = 35 \times 12 \dots \dots \dots (2)$$

By solving both equations we get,

$$2y = 84$$

$$y = 42$$

Question 6 :

Chord AB of a circle of radius 10 cm is at a distance 8 cm from the centre O. If tangents drawn at A and B intersect at P, then the length of the tangent AP (in cm) is:

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

1. 7.5

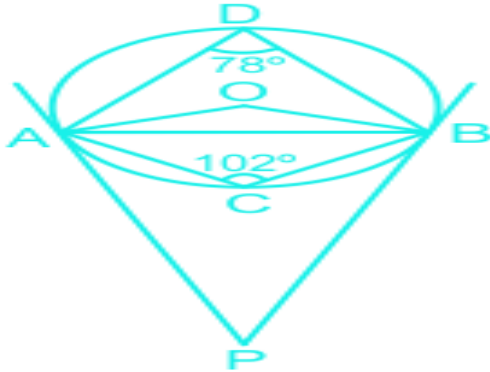
2. 4

3. 3.75

4. 15

Solution :

The correct answer is **option 1** i.e. **7.5**



By using Pythagoras theorem in triangle OAD one gets,

$$AD^2 = 100 - 64 = 36.$$

AD = 6cm so AB = 12 cm.

Let PD = x cm.

In triangle OAP,

$$OA^2 + AP^2 = OP^2$$

$$100 + AP^2 = (x + 8)^2.$$

$$AP^2 = x^2 + 16x - 36.....(1)$$

Now in Triangle DAP,

$$AD^2 + PD^2 = AP^2$$

$$36 + x^2 = AP^2(2)$$

By using eq 1 and 2 we get

$$36 + x^2 = x^2 + 16x - 36$$

$$x = 4.5 \text{ cm}$$

$$36 + 20.25 = AP^2$$

$$AP = 7.5 \text{ cm.}$$

Question 7 :

A trader sells an article at 16% below its cost price. Had he sold it for Rs 192.20 more, he would have gained 15%. The cost price (in Rs) of the article is:



Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. 620
2. 680
3. 720
4. 640

Solution :

The correct answer is **option 1** i.e. **620**.

Let the CP = 100x.

The selling price of an item when he sold the article at 16% below CP = $100x - 16x = 84x$

The selling price of an item if he gained 15% = $100x + 15x = 115x$

According to the question,

$$115x - 84x = 192.20$$

$$31x = 192.2$$

$$x = 6.2$$

$$CP = 100 \times 6.2 = 620.$$

Question 8 :

The perimeter of a semi - circle is 25.7 cm. What is its diameter (in cm)? ($\pi = 3.14$)

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 10
2. 9
3. 12
4. 8

Solution :

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



Let the radius of the perimeter be 'r' cm.

The perimeter of the semicircle = $2r + r$

$$2r + r = 25.7 \text{ cm.}$$

$$2r + 3.14r = 25.7$$

$$r = 25.7/5.14$$

$$r = 5$$

$$2r = 10 \text{ cm.}$$

Question 9 :

A shopkeeper marked every item 25% above the cost price and allowed 10% discount. Shruti being a regular customer got 5% additional discount on the bill and paid Rs 2394 for the item purchased. What is the cost price of the item (in Rs)?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 2240
2. 2440
3. 2220
4. 2420

Solution :

The correct answer is **option 1** i.e. **2240**

Let the CP = $100x$

Marked price = 125% of $100x = 125x$.

Selling price after first discount = $125x \times 90\% = 112.5x$

Selling price after additional discount = $112.5x \times 95\% = 106.875x$

$$106.875x = 2394$$

$$x = 22.4$$

$$100x = 2240$$

Question 10 :

Find the value of $\sin^4 30^\circ + \cos^4 30^\circ - \sin^2 5^\circ \cos^2 65^\circ - \sin^2 65^\circ \cos^2 25^\circ$.

**Difficulty : Moderate****Average Time : 43 Seconds****Options :**

1. $-\frac{3}{8}$
2. 0
3. $\frac{5}{8}$
4. $\frac{13}{8}$

Solution :The correct answer is **option 1** i.e. $-\frac{3}{8}$

As one knows that,

$$\sin(A + B) = \sin A \times \cos B + \cos A \times \sin B.$$

$$\sin^4 30^\circ + \cos^4 30^\circ - \sin 25^\circ \cos 65^\circ - \sin 65^\circ \cos 25^\circ$$

$$\sin^4 30^\circ + \cos^4 30^\circ - (\sin 25^\circ \cos 65^\circ + \sin 65^\circ \cos 25^\circ)$$

$$\left(\frac{1}{2}\right)^4 + \left(\frac{\sqrt{3}}{2}\right)^4 - \sin 90^\circ$$

$$\frac{1}{16} + \frac{9}{16} - 1$$

$$-\frac{3}{8}.$$

Question 11 :The value of $18 \div [26 - \{25 - (15 - 5) \div 2\}]$ of $12 + 2 - 2 \div 4 \times 16$ is:**Difficulty : Moderate****Average Time : 60 Seconds****Options :**

1. $-\frac{23}{4}$
2. $\frac{3}{2}$
3. $\frac{9}{4}$
4. $-\frac{25}{2}$

Solution :The correct answer is **option 1** i.e. $-\frac{23}{4}$.

$$18 \div [26 - \{25 - (15 - 5) \div 2\}] \text{ of } 12 + 2 - 2 \div 4 \times 16$$

$$18 \div [26 - 20] \text{ of } 12 + 2 - 2 \div 4 \times 16$$

$$18 \div 72 + 2 - 2 \div 4 \times 16$$

$$18 \div 72 - 6 = 18/72 - 6 = 1/4 - 6$$

$$(1 - 24)/6$$

$$-\left(\frac{23}{4}\right)$$

Question 12 :

$\hat{\Delta}^3 ABC \sim \hat{\Delta}^3 DEF$. If the areas of $\hat{\Delta}^3 ABC$ and $\hat{\Delta}^3 DEF$ are 100 cm² and 81 cm², respectively and the altitude of $\hat{\Delta}^3 DEF$ is 6.3 cm, then the corresponding altitude of $\hat{\Delta}^3 ABC$ is:

Difficulty : Moderate**Average Time : 57 Seconds****Options :**

1. 9 cm
2. 5.6 cm
3. 7 cm
4. 8.4 cm

Solution :

The correct answer is **option 3** i.e. **7 cm**.

If $\hat{\Delta}^3 ABC \sim \hat{\Delta}^3 DEF$,

$\hat{\Delta}^3 ABC : \hat{\Delta}^3 DEF = (\text{Altitude of } \hat{\Delta}^3 ABC) : (\text{Altitude of } \hat{\Delta}^3 DEF)$

$$100 : 81 = x^2 : (6.3)^2$$

$$x = 7.$$

Question 13 :

Akhil takes 30 minutes extra to cover a distance of 150 km if he drives 10 km/h slower than his usual speed. How much time will he take to drive 90 km if he drives 15 km per hour slower than his usual speed?

Difficulty : Moderate**Average Time : 46 Seconds****Options :**

1. 2 h 45 m
2. 2 h 30 m



2 h

4. 2 h 15 m

Solution :

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

Let the usual speed be 'x' km/hr.

According to the question,

$$150/(x - 10) - 150/x = 30/60$$

$$150 (10) \times 2 = x(x - 10)$$

$$x^2 - 10x - 3000 = 0$$

$$(x - 60)(x - 50) = 0$$

$$x = 60, -50.$$

Time taken by Akhil to cover 90 km at the speed of $60 - 15 = 45$ km/hr.

$$\text{Time} = 90/45 = 2 \text{ hours.}$$

Question 14 :

Select the most appropriate meaning of the given idiom. A stumbling block

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Removing stones on the way
2. Putting stones along the way
3. An obstacle to progress
4. Skipping over a hurdle

Solution :

The correct answer is **option 3** i.e. **An obstacle to progress.**

Meaning of the given Idiom 'A stumbling block' is a circumstance that causes difficulty or hesitation. The option that seems to be closest in meaning to this is 'An obstacle to progress'

Hence, the chosen option is correct.

Question 15 :



Select the most appropriate synonym of the given word. Testify

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Oppose
2. Disprove
3. Affirm
4. Invalidate

Solution :

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

Let us have a look at the meaning of the given words:

- **Testify**: serve as evidence or proof that something exists or is the case.
- **Oppose**: make or prove (an argument, statement, or theory) unsound or erroneous.
- **Disprove**: prove that (something) is false.
- **Affirm**: offer (someone) emotional support or encouragement.
- **Invalidate**: make or prove (an argument, statement, or theory) unsound or erroneous.

The word that seems to be a synonym to '**Testify**' is '**Affirm**'. Hence, the chosen option is correct.

Question 16 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Seasonal
2. Celestial
3. Hygeinic
4. Gymnastic

Solution :

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

Out of the given options, '**Hygeinic**' is the only word that has been spelled incorrectly. Its correct spelling is '**HYGIENIC**'.



Hence, the chosen option is correct.

Question 17 :

Select the option that can be used as a one-word substitute for the given group of words. To throw an event into confusion or disorder.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Explode
2. Detonate
3. Disrupt
4. Erupt

Solution :

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

Let us have a look at the meaning of the given options:

- Explode: burst or shatter violently and noisily as a result of rapid combustion, excessive internal pressure, or other processes.
- Detonate: explode or cause to explode.
- **Disrupt: interrupt (an event, activity, or process) by causing a disturbance or problem.**
- Erupt: (of a volcano) become active and eject lava, ash, and gases.

As we can see, the only option that fits with the given sentence is '**Disrupt**'. Hence, the chosen option is correct.

Question 18 :

Select the most appropriate meaning of the given idiom. A kick in the teeth

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. A grave setback
2. Severe toothache
3. Removing tooth cavities
4. Hitting someone hard

Solution :

The correct answer is **option 1** i.e. **A grave setback**.

- The meaning of the given Idiom '**A kick in the teeth**' is something that is very shocking and disappointing.
- Example Sentence: Losing the game against Pakistan in the Champions Trophy final was a real kick in the teeth.

Hence, the chosen option is correct.

Question 19 :

Select the most appropriate option to fill in the blank. Some people were tired of the long _____ in front of the mall and left without entering.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. waste
2. waist
3. wait
4. weight

Solution :

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

Let us understand the options with their meanings:

- waste: (verb) use or expend carelessly, extravagantly, or to no purpose
- waist: (noun) the part of the human body below the ribs and above the hips, often narrower than the areas above and below.
- wait: (verb) stay where one is or delay action until a particular time or event.
- weight: (noun) a body's relative mass or the quantity of matter contained by it, giving rise to a downward force; the heaviness of a person or thing.

From the options, it looks quite obvious that none other than '**wait**' looks suitable as the correct alternative for the blank provided. Hence, the chosen option is correct.

Question 20 :

If $x^4 + y^4 + x^2y^2 = 21$ and $x^2 + y^2 - xy = 7$, then what is the value of $(\frac{x}{y}) + (\frac{y}{x})$?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. $\frac{5}{4}$

$$\left(\frac{3}{4}\right)$$

3. $-\left(\frac{3}{2}\right)$

4. $-\left(\frac{5}{2}\right)$

Solution :

The correct answer is **option 4** i.e. $-\left(\frac{5}{2}\right)$

$$x^2 + y^2 - xy = 7$$

$$x^2 + y^2 = 7 + xy \dots\dots\dots(1)$$

$$x^4 + y^4 + x^2y^2 = 21$$

on adding $2x^2y^2$ on both sides we get

$$(x^2 + y^2)^2 = 21 + x^2y^2$$

$$(7 + xy)^2 = 21 + x^2y^2$$

$$49 + x^2y^2 + 14xy = 21 + x^2y^2$$

$$14xy = -28$$

$$xy = -2$$

$$x^2 + y^2 = 7 - 2 = 5$$

$\left(\frac{x}{y}\right) + \left(\frac{y}{x}\right)$ can be written as $(x^2 + y^2)/xy$

$$-5/2$$

Question 21 :

Select the most appropriate ANTONYM of the given word. Revel

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. Appreciate
2. Rejoice
3. Mourn
4. Enjoy

Solution :



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

Let us have a look at the meaning of the given words:

- **Revel: enjoy oneself in a lively and noisy way, especially with drinking and dancing.**
- Appreciate: recognize the full worth of.
- Rejoice: feel or show great joy or delight.
- **Moum: a foolish person**
- Enjoy: take delight or pleasure in (an activity or occasion).

The word that seems to be opposite to the given word is '**Moum**'. Hence, the chosen option is correct.

Question 22 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. However, its importance is primarily for its location. B. But unlike other rivers, it is not used for shipping. C. Although not the longest river, the Rio Grande is the most important river in America. D. America has several long river systems.

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. DCBA
2. DABC
3. DCAB
4. ABCD

Solution :

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

Explanation:

- The first sentence of the paragraph that looks to be the introductory part is 'D' as it introduces about '**America**'.
- The second sentence is '**C**' as it cites one example relating to the first sentence i.e. 'River'.
- The third sentence is 'B' as it provides some more useful information about the river that was mentioned in the previous sentence.
- The last sentence that remains to be unjumbled is 'A'.

So, the correct order is **DCBA**. Hence, the chosen option is correct.

Question 23 :

Select the option that will substitute the underlined part of the given sentence. In case no substitution is needed, select 'No



substitution required'. When I met the couple yesterday I noticed that the wife was more taller than her husband.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. much tall
2. taller
3. much tallest
4. No substitution required

Solution :

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

- **As the rule of adjectives states**, "When we use the comparatives like taller, shorter, happier, the word **more** doesn't need to be put before". So, the correct sentence will be:
- When I met the couple yesterday I noticed that the **wife was taller** than her husband.

Hence, the chosen option is correct.

Question 24 :

Select the option that can be used as a one-word substitute for the given group of words. Something that is to your advantage but happened by chance.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Fortuitous
2. Purposeful
3. Deliberate
4. Occidental

Solution :

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

Let us have a look at the meaning of the given words:

- **Fortuitous: happening by chance rather than intention.**
- Purposeful: having or showing determination or resolve.
- Deliberate: done consciously and intentionally.

Occidental: relating to the countries of the West.

As the selected option has a similar meaning to that of the mentioned sentence, the chosen option is correct.

Question 25 :

Select the most appropriate synonym of the given word. Abolish

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Eliminate
2. Establish
3. Introduce
4. Continue

Solution :

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

Meaning of the given words:

- **Abolish**: formally put an end to (a system, practice, or institution).
- **Eliminate**: **completely remove or get rid of (something)**.
- **Establish**: set up on a firm or permanent basis.
- **Introduce**: bring (something, especially a product, measure, or concept) into use or operation for the first time.
- **Continue**: persist in an activity or process.

On looking at the given options, the option that seems to be its synonym is 'Eliminate'. Hence, the chosen option is correct.

Question 26 :

Select the option that expresses the given sentence in indirect speech. Sneha said to me, "I was watching TV."

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Sneha told me that she had been watching TV.
2. Sneha said to me that I was watching TV.

Sneha told me that she was watching TV

4. Sneha told me that I was watching TV.

Solution :

The correct answer is **option 1** i.e. **Sneha told me that she had been watching TV.**

Explanation:

- We have to interchange the subject and object when we change a sentence from Active voice to Passive voice.
- Present Tense changes to Past Tense.
- In the above-mentioned sentence, "**Said**" changes to "**told**"; 'I' changes to 'She'; '**was**' changes to '**had been**'.

Hence, the chosen option is correct.

Question 27 :

Select the most appropriate option to fill in the blank. Keats and Shelley were poets of the same period; they were _____.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. colleagues
2. associates
3. contemporaries
4. acquaintances

Solution :

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

Meaning of the given words:

- colleagues: a person with whom one works in a profession or business.
- associates: connect (someone or something) with something else in one's mind.
- contemporaries: a person or thing living or existing at the same time as another.
- acquaintances: a person one knows slightly, but who is not a close friend.

From the meaning of the given words, we can infer that the best suitable synonym is 'contemporaries'.

Hence, the chosen option is correct.

**Question 28 :**

The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. We don't really / want a large house; / we are looking for some comfort / and some convenience on a moderate price.

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

1. and some convenience on a moderate price
2. want a large house
3. We don't really
4. we are looking for some comfort

Solution :

The correct answer is **option 1** i.e. **and some convenience on a moderate price**.

The error in the above-mentioned part lies with the usage of the preposition '**On**' which does not suit the context of the sentence grammatically. The correct preposition will be '**at**' as we are comparing something with its price and '**at**' will be grammatically correct at that place.

Hence, the chosen option is correct.

Question 29 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. But a dove that happened to be sitting on a neighbouring tree saw the ant's danger and, plucking off a leaf, let it drop into the water before him. B. Just at that time, a fowler was spreading his net and was in the act of ensnaring the dove, when the ant, perceiving his object, bit his heel. C. An ant went to a fountain to quench his thirst and, tumbling in, almost drowned. D. The ant mounting upon it, was presently wafted safely ashore.

Difficulty : Moderate**Average Time : 80 Seconds****Options :**

1. CBAD
2. DCAB
3. ABCD
4. CADB

Solution :

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

Explanation:

- The sentence that introduces the paragraph about an Ant is 'C'.
- The second sentence will be 'A' as it explains what happened after the ant almost drowned.
- The third sentence will be 'D' as it continues to explain the happening i.e. the ant was presently wafted safely ashore.
- The last sentence is B' which concludes the passage.

So, the correct order of sentences is **CADB**. Hence, the chosen option is correct.

Question 30 :

Point P lies outside a circle with centre O. Tangents PA and PB are drawn to meet the circle at A and B respectively. If $\angle APB = 80^\circ$, then $\angle OAB$ is equal to:

Difficulty : Moderate

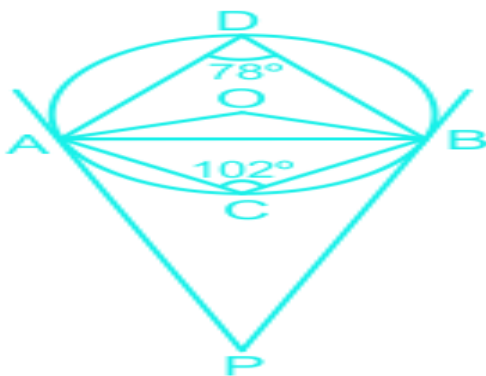
Average Time : 64 Seconds

Options :

1. 70°
2. 40°
3. 140°
4. 35°

Solution :

The correct answer is **option 2** i.e. 40°



OA is perpendicular to PA.



OP is the angle bisector of $\angle APB$.

$$\angle AOP = \angle BOP = 180 - 90 - 40 = 50^\circ$$

$$\angle OAB = \angle OBA \quad (OA = OB)$$

$$\angle OAB = (180 - 100)/2 = 40^\circ.$$

Question 31 :

The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. Lalitha will go / to sister's house / in Mumbai / this summer.

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

1. to sister's house
2. this summer
3. in Mumbai
4. Lalitha will go

Solution :

The correct answer is **option 1** i.e. **to sister's house**.

The reason why this part of the sentence seems to have an error is the missing possessive adjective (**HER**). If we reframe the selected part of the sentence, it will be: "to **her** sister's house."

Hence, the chosen option is correct.

Question 32 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate**Average Time : 46 Seconds****Options :**

1. Scorpeon
2. Caterpillar
3. Lizard
4. Chameleon

Solution :

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

The correct spelling of the given word is '**SCORPION**'.

Hence, the chosen option is correct.

Question 33 :

AB is a chord of a circle in minor segment with centre O. C is a point on the minor arc of the circle between the points A and B. The tangents to the circle at A and B meet at the point P. If $\angle ACB = 102^\circ$, then what is the measure of $\angle APB$?

Difficulty : Moderate

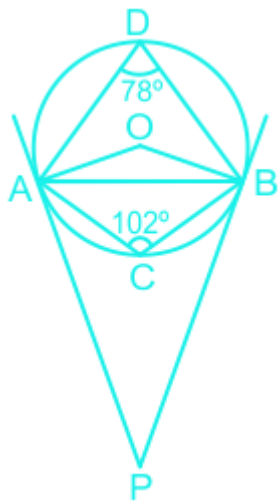
Average Time : 50 Seconds

Options :

1. 29°
2. 27°
3. 23°
4. 24°

Solution :

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



$$\angle ACB + \angle ADC = 180 \text{ (Cyclic quadrilateral)}$$

$$\angle ADC = 180 - 102 = 78^\circ$$

$$\angle AOB = 2 \times \angle ADC \text{ (Angle subtended by the arc at the centre is twice of the angle subtended by the same arc at the circumference)}$$



arc at the circumference)

$$\angle AOB = 2 \times 78 = 156^\circ.$$

$$\angle AOB + \angle APB = 180^\circ$$

$$\angle APB = 180 - 156 = 24^\circ.$$

Question 34 :

Which of the following statements is correct?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. The net magnetic flux through any closed surface is zero.
2. Magnetic flux is a vector quantity.
3. Earth's magnetic poles coincide with the geographic poles.
4. Two magnetic field lines may intersect.

Solution :

The correct answer is **option 1** i.e. **The net magnetic flux through any closed surface is zero.**

- The quantity of magnetic field lines that travel through a specific closed surface is known as the magnetic flux.
- It offers a way to measure the total magnetic field that traverses a specific surface area.
- It is a scalar quantity.
- The SI unit of magnetic flux is Weber (Wb).

Question 35 :

Chandragupta led a revolt against the _____ and overthrew them.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Nandas
2. Kushanas
3. Shishunagas
4. Haryankas

Solution :

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

- Chandragupta led a revolt against the Nandas and overthrew them.
- The Magadha dynasty, which was the most powerful state of the north in the 4th century B.C., was ruled by Nanda kings.
- Chanakya, also known as Kautilya, was a Brahman minister who educated Chandragupta Maurya, a young man.

Question 36 :

Which of the following is NOT a storage root?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Fusiform root
2. Napiform root
3. Breathing root
4. Conical root

Solution :

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

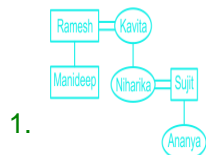
- Mangroves and other halophytes have breathing roots, which are respiratory roots.
- Since they frequently grow in salty swamps, their breathing roots emerge from the water to take up oxygen.
- Pneumatophores are lateral roots that grow upward out of the mud and water to serve as the location of oxygen intake for the submerged primary root system. They are frequently seen in mangrove species that grow in saline mudflats.

Question 37 :

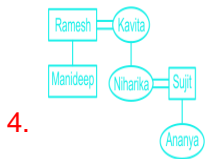
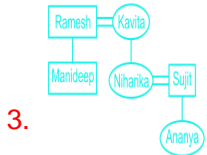
Select the Venn diagram that best illustrates the relationship between the following classes. Universe, Pluto, Solar system

Difficulty : Moderate

Average Time : 54 Seconds

Options :

2.

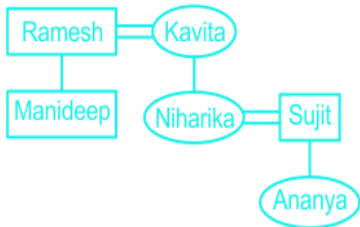


Solution :

The correct answer is **option 1** .

Understanding

The possible Venn diagram is:



All plutos are solar systems. All solar systems are the universe.

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

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 Panchatantra is a legendary collection of short stories from India.

(1)_____ composed in the 2nd century BC, Panchatantra is (2)_____ to be written by Vishnu Sharma (3)_____ with many other scholars. The purpose behind the composition (4)_____ to implant moral values and governing (5)_____ in the young sons of the king.

Question 38 :



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

Difficulty : Moderate

Average Time : 89 Seconds

Options :

1. faculties
2. flairs
3. skills
4. gifts

Solution :

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

Meaning of the words:

- faculties: an inherent mental or physical power.
- flairs: a special or instinctive aptitude or the ability for doing something well.
- skills: the ability to do something well; expertise.
- gifts: a thing given willingly to someone without payment; a present.

On looking at the meaning of the words, we can clearly infer that the best suitable word for the blank is '**skills**' because their motto was to impart governing skills among the youth sons of the king.

Hence, the chosen option is correct.

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 Panchatantra is a legendary collection of short stories from India.

(1)_____ composed in the 2nd century BC, Panchatantra is (2)_____ to be written by Vishnu Sharma (3)_____ with many other scholars. The purpose behind the composition (4)_____ to implant moral values and governing (5)_____ in the young sons of the king.

Question 39 :

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

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. were
2. are



be

4. was

Solution :

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

The sentence with blank 4 talks about something in past. So, the option that fits best in the blank must be an auxiliary verb. So, the option that suits best here is '**was**'.

Hence, the chosen option is correct.

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 Panchatantra is a legendary collection of short stories from India.

(1)_____ composed in the 2nd century BC, Panchatantra is (2)_____ to be written by Vishnu Sharma (3)_____ with many other scholars. The purpose behind the composition (4)_____ to implant moral values and governing (5)_____ in the young sons of the king.

Question 40 :

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

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. along
2. beside
3. next
4. near

Solution :

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

The passage talks about a legendary collection of short stories from India: 'Panchatantra '.

- As the sentence with blank 3 talks about the many other scholars with 'Vishnu Sharma', the best suitable option is '**along**'.
- **Meaning of Along:** being together with (something or someone)

Hence, the chosen option is correct.

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 Panchatantra is a legendary collection of short stories from India.

(1)_____ composed in the 2nd century BC, Panchatantra is (2)_____ to be written by Vishnu Sharma (3)_____ with many other scholars. The purpose behind the composition (4)_____ to implant moral values and governing (5)_____ in the young sons of the king.

Question 41 :

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

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. established
2. believed
3. alleged
4. designed

Solution :

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

The passage talks about a legendary collection of short stories from India: 'Panchatantra '.

The word '**believed**' suits best as a correct alternative for the blank because all the other options are irrelevant to the context of the sentence.

Hence, the chosen option is correct.

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 Panchatantra is a legendary collection of short stories from India.

(1)_____ composed in the 2nd century BC, Panchatantra is (2)_____ to be written by Vishnu Sharma (3)_____ with many other scholars. The purpose behind the composition (4)_____ to implant moral values and governing (5)_____ in the young sons of the king.

Question 42 :

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

Difficulty : Moderate

Average Time : 65 Seconds

Options :



Originally

2. Eventually

3. Firstly

4. Ultimately

Solution :

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

The passage talks about a legendary collection of short stories from India: 'Panchatantra'.

As there have been a lot of sequels and duplicates of it, the best suitable option to fit in the blank is '**Originally**'. Rest of the options look less contextual as compared to the selected one.

Hence, the chosen option is correct.

Question 43 :

Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'. The teacher advised the children to not went near the tank.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. don't go

2. No improvement

3. not to go

4. not to be going

Solution :

The correct answer is **Option 3** i.e. **not to go**.

- The underlined part is grammatically incorrect as **went** is the **past form** of the verb **go**.
- We need to use an **infinitive** in the underlined part as an **indirect object**.
- Infinitive verbs are used as **a direct object or an indirect object** to answer the **question 'what?'** when the **subject (teacher)** performs an **action (advised)**.
- **not to go** is an **infinitive** and the correct improvement for the underlined part.

Hence, the chosen option is correct.

Question 44 :



Select the option that expresses the given sentence in passive voice. Imran has found two good jobs in the advertisements section of the newspaper.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Two good jobs had found by Iram in the advertisements section of the newspaper.
2. Two good jobs have been found by Iram in the advertisements section of the newspaper.
3. Two good jobs are being found by Iram in the advertisements section of the newspaper.
4. Two good jobs has found by Imran in the advertisements section of the newspaper.

Solution :

The correct answer is **option 2** i.e. **Two good jobs have been found by Iram in the advertisements section of the newspaper.**

Explanation:

- The object (Two good Jobs) becomes the Subject and the Subject (Imran) becomes the Object while converting Voices.
- Singular becomes plural as the object is plural. (has becomes have).
- In the present perfect form with the passive, we always use '**has/have been**' + the past participle form.

So, on consolidating all the above points, we can infer that the chosen option is correct.

Question 45 :

Select the most appropriate ANTONYM of the given word. Downcast

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Successful
2. Cheerful
3. Distressed
4. Disappointed

Solution :

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

**Meaning of the given words:**

- **Downcast:** feeling despondent.
- Successful: accomplishing a desired aim or result.
- **Cheerful:** noticeably happy and optimistic.
- Distressed: suffering from extreme anxiety, sorrow, or pain.
- Disappointed: sad or displeased because someone or something has failed to fulfil one's hopes or expectations.

From the meanings of the given options, we can infer that the best suitable antonym is 'Cheerful'. Hence, the chosen option is correct.

Question 46 :

Select the option that is related to the third number in the same way as the second number is related to the first number.
39: 27:: 43:?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 12
2. 6
3. 38
4. 20

Solution :

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

Understanding

The logic used here is:

39: 27

$$3 \times 9 = 27$$

Similarly,

43:?

$$4 \times 3 = 12$$

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

Question 47 :

_____ are thick deposits of glacial clay and other materials embedded with moraines.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Duns
2. Bhabars
3. Duars
4. Karewas

Solution :

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

- Karewas are thick deposits of glacial clay and other materials embedded with moraines.
- The Karewa rocks in the Kashmir Himalayas are renowned for being helpful in the growth of Zafran, a regional kind of saffron.

Question 48 :

Rajnikant Devidas Shroff was awarded the Padma Bhushan in the field of _____ in January 2021.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. science
2. art
3. trade and industry
4. politics

Solution :

The correct answer is **option 3** i.e. **trade and industry**

- In January 2021, Rajnikant Devidas Shroff received the Padma Bhushan in the category of Trade & Industry.
- The founder and chairman of UPL Limited is the Indian entrepreneur Rajnikant Devidas Shroff.
- With a net worth of \$1.5 billion, he was the 93rd richest person in India in 2020, according to Forbes.
- In 2021, Shroff will be the only industrialist to earn the Padma Bhushan.
- He is regarded as the King of Crop Protection in India.

Question 49 :



The colour of an emerald is generally _____.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. blue
2. green
3. yellow
4. red

Solution :

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

- An emerald typically has a green hue.
- The vivid green hues of emeralds make them valuable.
- Eye-visible inclusions can be seen in almost all natural emeralds.
- Small growths known as inclusions appear inside the emerald as it forms. Emeralds have been discovered in Rajasthan's Udaipur, Rajsamand, and Ajmer districts at a number of locations.

Question 50 :

Who among the following received the 'Global GoalKeeper' Award in 2019?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Abiy Ahmed
2. Nadia Murad
3. Narendra Modi
4. Abiy Ahmed

Solution :

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

- The Bill and Melinda Gates Foundation presented Prime Minister Narendra Modi with the Global Goalkeeper Award for his work on the Swachh Bharat Abhiyan.

Question 51 :

In 2020, which of the following tiger reserves won the 'TX2 Award' for its efforts to increase the tiger population?



Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Ranthambhore Tiger Reserve
2. Periyar Tiger Reserve
3. Pilibhit Tiger Reserve
4. Sariska Tiger Reserve

Solution :

The correct answer is **option 3** i.e. **Pilibhit Tiger Reserve**

- The Pilibhit Tiger Reserves received the "TX2 Award" in 2020 for their work to boost the tiger population.
- For more than doubling the number of tigers in the previous four years, the Pilibhit Tiger Reserve (PTR - Uttar Pradesh) received the international TX2 award. The Pilibhit Tiger Reserve, which is in Uttar Pradesh's Pilibhit district, received notification as a tiger reserve in 2014.
- It is located in Uttar Pradesh at the boundary between India and Nepal, in the Terai plains and Himalayan foothills.

Question 52 :

Alivardi Khan was a Nawab of _____.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Bengal
2. Awadh
3. Malabar
4. Deccan

Solution :

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

- From 1740 to 1756, Alivardi Khan served as the Nawab of Bengal.
- He overthrew the Nawabs of the Nasiri dynasty and took control himself.
- He is also renowned for defeating the Maratha Empire in the Battle of Burdwan during the Maratha invasions of Bengal.

Question 53 :

Siddhendra Yogi, a doyen of the _____ dance form, was lauded as Adi Guru.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Kuchipudi
2. Kathakali
3. Bharatanatyam
4. Kathak

Solution :

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

Siddhendra Yogi, a doyen of the Kuchipudi dance form, was lauded as Adi Guru.

- Kuchipudi is one of India's six classical dance forms.
- The dance-drama performance art known as Kuchipudi first appeared in an Indian village in the Krishna area of Andhra Pradesh.

Question 54 :

ISRO's Polar Satellite Launch Vehicle (PSLV) successfully launched a remote sensing satellite of which country on 28th February 2021?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Cuba
2. Mexico
3. Spain
4. Brazil

Solution :

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

ISRO's Polar Satellite Launch Vehicle (PSLV) successfully launched a remote sensing satellite of Brazil country on 28th February 2021.

- On February 28, 2021, from the Satish Dhawan Space Center SHAR, Sriharikota, India's Polar Satellite Launch Vehicle PSLV-C51 successfully launched Amazonia-1 and 18 co-passenger satellites into orbit.
- The National Institute for Space Research's optical earth observation satellite is called Amazonia-1 (INPE).



Users of this satellite will be able to analyze and track the diverse agricultural practices throughout Brazil as well as monitor deforestation in the Amazon region using remote sensing data.

Question 55 :

In which of the following years was the Rajya Sabha first constituted?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 1950
2. 1948
3. 1952
4. 1947

Solution :

The correct answer is **option 3** i.e. **1952**

The Rajya Sabha was first constituted on 3 April 1952.

- The Council of States would now be known in Hindi as "Rajya Sabha," the Rajya Sabha Chairman announced in the House on August 23, 1954.
- On May 13, 1952, the Rajya Sabha convened for the first time.
- The first Rajya Sabha Chairman was Dr. S. Radhakrishnan.
- The First Deputy Chairman of the Rajya Sabha was Shri SV Krishnamoorthy Rao.

Question 56 :

Which of the following states renamed the dragon fruit as 'Kamalam' in January 2021?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Rajasthan
2. Uttar Pradesh
3. Tamil Nadu
4. Gujarat

Solution :

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



The dragon fruit is now known as "Kalamam" according to the Gujarat state government.

- The dragon fruit has been renamed Kalamam due to the fruit's form, according to Gujarat's chief minister.

Question 57 :

_____ is an alphanumeric code that uniquely identifies a bank branch participating in the NEFT system.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. STP
2. SFMS
3. IFSC
4. RTGS

Solution :

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

IFSC is an alphanumeric code that uniquely identifies a bank branch participating in the NEFT system.

- The Reserve Bank of India introduced the National Electronic Funds Transmission (NEFT) method of online money transfer (RBI).
- Money is readily transferred between banks all around India.
- A consumer cannot transfer money to a third party unless the bank branch is NEFT enabled.
- The setup was created and managed by the Institute for Development and Research in Banking Technology, and it was **launched** in **November 2005**.

Question 58 :

Bombay Stock Exchange became the first stock exchange in India to launch a commodity derivatives contract in gold and _____

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. platinum
2. diamond
3. silver
4. equity

Solution :

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

- Bombay Stock Exchange became the first stock exchange in India to launch commodity derivatives contracts in gold and silver.
- Indian stock exchange Bombay Stock Exchange (BSE) is situated on Dalal Street in Mumbai.
- Premchand Roychand, a cotton dealer, founded the Bombay Stock Exchange in 1875.
- The Bombay Stock Exchange is the tenth-oldest stock exchange in the world and the oldest in Asia.

Question 59 :

In 2020, who among the following became the most successful F1 driver with the most career wins, overtaking Michael Schumacher?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Fernando Alonso
2. Kimi Raikkonen
3. Lewis Hamilton
4. Sebastian Vettel

Solution :

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

In 2020, Lewis Hamilton became the most successful F1 driver with the most career wins, overtaking Michael Schumacher.

Lewis Hamilton Awards are:

Award	Years
• Sports Personality of the Year	2020 and 2014
• Best Driver ESPY Award	2021 and 2017
• Laureus World Sports Award for Sportsman of the Year	2020
• Athlete Advocate of the Year	2021
• Laureus World Sports Award for Breakthrough of the Year	2008

Question 60 :

Plants were grown at which of the following places take up carbon dioxide during the night?

Difficulty : Moderate

Average Time : 98 Seconds

Options :

Deserts

2. Hilly terrains
3. Roof tops
4. Ocean beds

Solution :

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

Plants grown in Desert places take up carbon dioxide during the night.

- Desert plants that thrive in semi-arid environments fix atmospheric CO₂ to produce malic acid at night.
- For utilization throughout the day, these plants store organic acid intermediate during the night.
- The plants that engage in crassulacean metabolism are known as CAM plants, and this metabolic pathway is known as crassulacean acid metabolism (CAM).

Question 61 :

In which of the following years did Japan invade India resulting in the Battle of Imphal?

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

1. 1862
2. 1944
3. 1901
4. 1899

Solution :

The correct answer is **option 2** i.e. **1944**.

- The Battle of Imphal was a result of Japan's invasion of India in 1944.
- The Battle of Imphal was fought in the area of Imphal, the state capital of Manipur in northeastern India, from March to July 1944.
- Japan was defeated in this war and had to return to Burma with heavy losses.

Question 62 :

Study the following table and answer the question: Number of students appeared (A) and Passed (P) in an annual examination from four schools Q, R, S & T in five years (2014 to 2018)

	Q		R		S		T	
School / Year	A	P	A	P	A	P	A	P
2014	320	240	400	340	420	273	250	225
2015	400	320	380	285	350	280	300	228
2016	440							



286 360 288 330 264 320 256 2017 350 252 420 294 380 247 350 315 2018 375 320 450 405 400 344 375 300 the total number of students passed from school Q in 2014 and 2018 is what percent less than the total number of students appeared from schools R and S in 2017?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 42.9%
2. 30%
3. 25%
4. 35.4%

Solution :

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

The total number of students passed from school Q in 2014 and 2018 = $240 + 320 = 560$.

The total number of students appeared from schools R and S in 2017 = $420 + 380 = 800$.

% less = $(800 - 560)/800 \times 100 = 30\%$

Question 63 :

If $3\sin^2 \theta - \cos \theta - 1 = 0$, $0^\circ < \theta < 90^\circ$, then what is the value of $\cot \theta + \operatorname{cosec} \theta$?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. $32/2$
2. 23
3. 5
4. 25

Solution :

The correct answer is **option 3** i.e. **5**.

$$3\sin^2 \theta - \cos \theta - 1 = 0$$

$$3(1 - \cos^2 \theta) - \cos \theta - 1 = 0$$

$$3 - 3\cos^2 \theta - \cos \theta - 1 = 0$$



$$3\cos^2 + \cos - 2 = 0$$

$$3\cos^2 + 3\cos - 2\cos - 2 = 0$$

$$3\cos(\cos + 1) - 2(\cos + 1) = 0$$

$$(\cos + 1)(3\cos - 2) = 0$$

$$\cos = 2/3, -1$$

$$\cos = 2/3 = B/H$$

By using Pythagoras theorem,

$$P^2 = 3^2 - 2^2$$

$$P = \sqrt{5}$$

$$\cot + \operatorname{cosec} = 2/\sqrt{5} + 3/\sqrt{5} = \sqrt{5}$$

Question 64 :

Simplify the following expression. $\{(7/5) + (8/9) + (11/5) + (4/9)\} + \{(1/6) \times (6)^2\} = ?$

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. $\frac{15}{8}$
2. $\frac{164}{11}$
3. $\frac{27}{28}$
4. $\frac{3}{4}$

Solution :

The correct answer is **option 2** i.e. $\frac{164}{11}$.

$$\{(7/5) + (8/9) + (11/5) + (4/9)\} + \{(1/6) \times (6)^2\} = ?$$

$$\{18/5 + 12/9\} + 6 = ?$$

$$\{(162 + 60)/45\} + 6 = ?$$

$$222/45 + 6 = ?$$

$$74/15 + 6 = ?$$

$$164/15$$

**Question 65 :**

Find the ratio between the fourth proportional of 12, 16, 6 and the third proportional of 4, 6.

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

1. 4 : 3
2. 3 : 2
3. 11 : 5
4. 8 : 9

Solution :

The correct answer is **option 4** i.e. **8 : 9**

We know that the product of extremes is equal to the product of means.

Let the fourth proportional of 12, 16, 6 is x.

$$12 \times x = 16 \times 6$$

$$x = 8.$$

Let the third proportional of 4, 6 is a

$$4/6 = 6/a$$

$$a = 36/4$$

$$9$$

Required ratio = 8 : 9.

Question 66 :

Study the following table and answer the question: Number of students appeared (A) and Passed (P) in an annual examination from four schools Q, R, S & T in five years (2014 to 2018)

School / Year	A	P	A	P	A	P	A	P	Q	R	S	T																																
2014	320	240	400	340	420	273	250	225	2015	400	320	380	285	350	280	300	228	2016	440	286	360	288	330	264	320	256	2017	350	252	420	294	380	247	350	315	2018	375	320	450	405	400	344	375	300

The ratio of the total number of students who appeared from school Q in 2017 and from school S in 2018 to the total number of students who passed from school R in 2018 and school T in 2014, is:

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

16 : 9

2. 25 : 21

3. 5 : 7

4. 7 : 8

Solution :

The correct answer is **option 2** i.e. **25 : 21**.

The total number of students who appeared from school Q in 2017 and from school S in 2018 = 350 + 400 = 750.

The total number of students who passed from school R in 2018 and school T in 2014 = 405 + 225 = 630.

Required ratio = 750 : 630 = **25 : 21**.

Question 67 :

The value of $(\sin 37^\circ \cos 53^\circ + \cos 37^\circ \sin 53^\circ) - (4\cos^2 37^\circ - 7 + 4\cos^2 53^\circ) / (\tan^2 47^\circ + 4 - \operatorname{cosec}^2 43^\circ)$ is:

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. -2

2. 0

3. 1

4. 2

Solution :

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

One knows that,

$$\sin^2(\theta) + \cos^2(\theta) = 1 \text{ and } \sec^2(\theta) - \tan^2(\theta) = 1$$

$$\sin 37^\circ \cos 53^\circ + \cos 37^\circ \sin 53^\circ - (4\cos^2 37^\circ - 7 + 4\cos^2 53^\circ) / (\tan^2 47^\circ + 4 - \operatorname{cosec}^2 43^\circ)$$

$$(\sin 37^\circ \cos 53^\circ + \cos 37^\circ \sin 53^\circ) - \left(\frac{4\cos^2 37^\circ - 7 + 4\cos^2 53^\circ}{\tan^2 47^\circ + 4 - \operatorname{cosec}^2 43^\circ} \right)$$

$$1 - \left(\frac{4-7}{4-1} \right) = 1 + 1 = 2.$$

Question 68 :

If the 8- digit number $888x53y4$ is divisible by 72, then what is the value of $(7x + 2y)$, for the maximum value of y ?



Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 19

2. 23

3. 27

4. 15

Solution :

The correct answer is **option 2** i.e. **23**

Co -prime factors of $72 = 8 \times 9$.

If a number is divisible by 8 it means the last three digits of a number is divisible by 8.

So $3y4$ must be divisible by 8.

It is only possible at $y = 0, 4$ and 8 (we need the maximum value of y so one can ignore 0 and 4)

If a number is divisible by 9 it means the sum of the digits of the same number must be divisible by 9.

$$8 + 8 + 8 + x + 5 + 3 + y + 4 = 36 + x + y$$

36 is already a multiple of 9 so one can say that $x + y$ must be divisible by 9.

y is 8 then the possible value of x will be 1.

$$\text{Required value of } 7x + 2y = 7 \times 1 + 2 \times 8 = 7 + 16 = 23.$$

Question 69 :

In an experiment, 45% of all the students who appeared are boys and the rest are girls. If 60% of the boys and 70% of the girls passed, then what is the percentage of students who failed?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 36

2. 40

3. 35.4

4. 34.5

Solution :

The correct answer is **option 4** i.e. **34.5**.

Let the total number of appearing students be $100x$

Number of boys = 45% of $100x = 45x$

Number of girls = $55x$

Number of boys passed the examination = $45x \times 60/100 = 27x$

Number of Boys failed = $45x - 27x = 18x$

Number of Girls passed the examination = $55x \times 70/100 = 38.5x$

Number of girls failed = $55x - 38.5 = 16.5x$

Percentage of student failed = $(18x + 16.5x)/100x \times 100 = \mathbf{34.5\%}$

Question 70 :

A and B together can complete a certain work in 20 days whereas B and C together can complete it in 24 days. If A is twice as good as C, then in what time will B alone do 40% of the same work?

Difficulty : Moderate**Average Time : 57 Seconds****Options :**

1. 12 days
2. 15 days
3. 18 days
4. 10 days

Solution :

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

A and B together can complete a certain work in 20 days.

B and C together can complete the same work in 24 days.

Let total work = LCM of (20 , 24) = 120.

Efficiency of A and B = $120/20 = 6$ units.....(1)

Efficiency of B and C = $120/24 = 5$ units.....(2)

It is given that the efficiency of A is twice of C, ($A = 2C$)



From equations 1 and 2 we get,

$$2C + B - B - C = 1 \text{ unit}$$

$$C = 1 \text{ unit.}$$

The efficiency of A = 2 units

The efficiency of B = 6 - 2 = 4 units.

40% of work = 40% of 120 = 48 units.

The number of days taken by B to complete 48 units of work = $48/4 = 12$ days.

Question 71 :

A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of letters would be opposite to each other?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

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

Solution :

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

When the paper is folded to make a cube;

E is opposite to A.

F is opposite to D.

C is opposite to B.

Question 72 :

How many triangles are there in the given figure?

Difficulty : Moderate

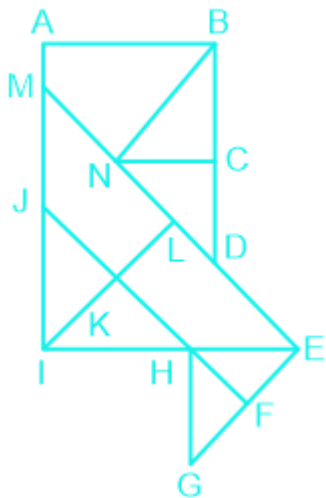
Average Time : 41 Seconds

Options :

- 13
- 2. 11
- 3. 14
- 4. 12

Solution :

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



12 triangles: BNC, CND, BND, MLI, ELI, JKI, HKI, MIE, JHI, HFE, HFG, HEG.

Question 73 :

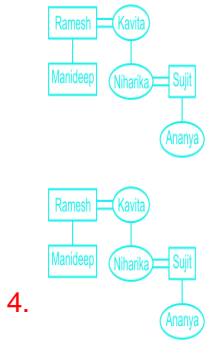
Select the option figure in which the given figure is embedded (rotation is NOT allowed).

Difficulty : Moderate

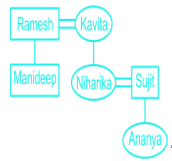
Average Time : 39 Seconds

Options :

- 1.
- 2.

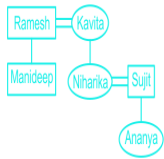


Solution :



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

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



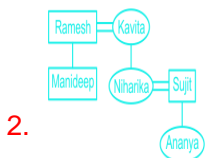
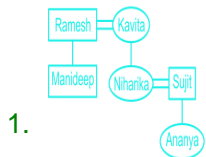
Question 74 :

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

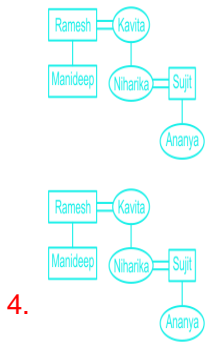
Difficulty : Moderate

Average Time : 64 Seconds

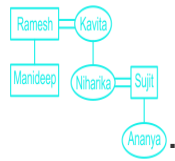
Options :



3.



Solution :

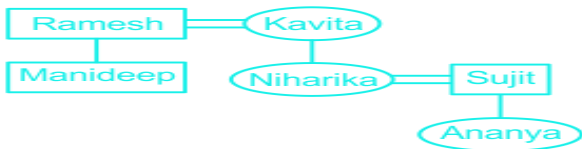


The correct answer is **option 1**

The logic used here is:

1. The figure at the center of the series is rotated by 90 degrees in the anti-clockwise direction.
2. The triangle also moves in the anti-clockwise direction, moves back by 2 steps, and alternatively becomes filled or empty.

The series of figures:



Question 75 :

Select the option in which the numbers are related in the same way as the numbers of the following set. (7, 9, 252)

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. (6, 9, 188)
2. (12, 10, 260)
3. (8, 11, 352)
4. (6, 8, 212)

Solution :

The correct answer is **option 3** i.e. **(8, 11, 352)**.

Understanding

The logic used here is:

(7, 9, 252)

$$7 \times 9 = 63$$

$$63 \times 4 = 252$$

Similarly,

(8, 11, 352)

$$8 \times 11 = 88$$

$$88 \times 4 = 352$$

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

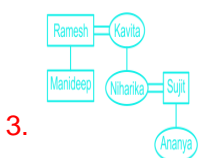
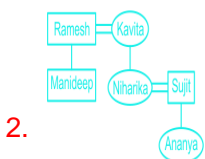
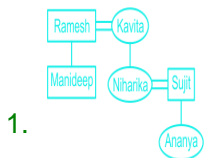
Question 76 :

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?

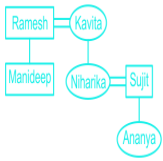
Difficulty : Moderate

Average Time : 52 Seconds

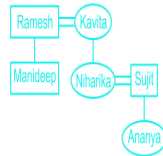
Options :



4.



Solution :



The correct answer is **option 1** .

After unfolding, the paper will appear as follows:



Question 77 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. r_uktrj_ kt_ juk_rju_trj_ kt

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. j, r, u, k, t, u
2. j, r, u, t, u, k
3. j, u, r, t, k, u
4. u, j, r, t, j, u

Solution :

The correct answer is **option 3** i.e. j, u, r, t, k, u.

Understanding

The sequence is – K, P, Q, R, D, A, P

Given sequence: r_ uktrj_ kt_ juk_rju_trj_kt

Option 1: j, r, u, k, t, u

rj ukt/ rjr kt/ **u jukk/ rjutt/ rjukt**

Option 2: j, r, u, t, u, k

rj ukt/ rjr kt/**u jukt/rjuut/rjkk**t

Option 3: j, u, r, t, k, u

rj ukt/ rju kt/ **rjukt/ rjukt/ rjukt**

Option 3 forms a particular pattern. So, there is no need for checking further options.

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

Question 78 :

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

Difficulty : Moderate

Average Time : 92 Seconds

Options :

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

Solution :

The correct answer is **option 3**.

Understanding

The mirror image of the question figure is shown below:



Note: Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the mirror. That means the left side of the figure will become the right side and vice versa.

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

Question 79 :

In a certain code language, 'YOU TOOK MY PLACE IN' is written as 'COU POON LC QVAKE IJ'. How will 'COMPILE' be written in that language?

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. KOLQIVE
2. KOLTYLE
3. KOLQIME
4. YOLTILE

Solution :

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

Understanding

The logic used here is:

'YOU TOOK MY PLACE IN' is written as
'COU POON LC QVAKE IJ'

Code for the word COMPILE:

C = K

O = O

M = L

P = Q

I = I

L = V

E = E

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

Question 80 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Recreation 2. Recede 3. Recorder 4. Recliner 5. Reconcile 6. Recognition

Difficulty : Moderate

Average Time : 61 Seconds

Options :

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

Solution :

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

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

So the arrangement is;

2. **Recede**



4. Recliner
6. Recognition
5. Reconcile
3. Recorder
1. Recreation

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

Question 81 :

The total of three numbers is 240. The second number is four times the first number. The third number is three times the first number. What will be the average of the three numbers?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 80
2. 70
3. 50
4. 60

Solution :

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

Let the three numbers be: a, b, and c

According to the question;

$$a + b + c = 240$$

$$b = 4a$$

$$c = 3a$$

Then;

$$a + 4a + 3a = 240$$

$$a = 30$$

$$\text{First number} = a = 30$$

Second number = $4a = 120$

Third number = $3a = 90$

Average of the three numbers = $(30 + 120 + 90) / 3 = 80$

Hence, option 1 is the correct answer.

Question 82 :

Select the option in which the words share the same relationship as that shared by the given pair of words. Swan: Cygnet

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Fish: Cub
2. Whale: Fry
3. Turkey: Poult
4. Deer: Joey

Solution :

The correct answer is **option 3** i.e. **Turkey: Poult**.

Understanding

The logic used here is:

Swan: Cygnet

A young swan is called a cygnet.

Similarly,

Turkey: Poult

A baby turkey is called a poult.

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

Question 83 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation. $14 * 7 * 39 * 133 * 19 * 130$

Difficulty : Moderate

Average Time : 53 Seconds

Options :

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

Solution :

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

Understanding

Given equation: $14 * 7 * 39 * 133 * 19 * 130$

Let us check all the options:

Option 1: $\div, -, +, \times, =$

The expression becomes:

$$= 14 \div 7 - 39 + 133 \times 19 = 130$$

= 2490 is not equal to 130.

Option 2: $\times, +, -, \div, =$

$$= 14 \times 7 + 39 - 133 \div 19 = 130$$

= 130 is equal to 130.

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

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

Question 84 :

In a certain code language, 'FORENSIC' is coded as '61218221419183', and 'DORM' is coded as '4121813'. How will 'CARMEL' be coded in that language?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 3261826132212



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3260926130512

3. 3011801132212

4. 3261826142212

Solution :

The correct answer is **option 1** i.e. **3261826132212**.

Understanding



The logic used here is:

Consonants are replaced by their respective positional values, and the vowels are replaced with opposite positional values.

'FORENSIC' is coded as '61218221419183'

F = 6

Opposite of O = L = 12

R = 18

Opposite of E = V = 22

N = 14

S = 19

Opposite of I = R = 18

C = 3

FORENSIC = 61218221419183

Similarly,

Code for the word CARMEL:

C = 3

Opposite of A = Z = 26

R = 18

Opposite of A = Z = 26

M = 13

Opposite of E = V = 22

L = 12

CARMEL = 3261826132212

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

Question 85 :

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 follows from the statements. Statements: Some bowls are cups. All cups are glasses. Some glasses are plates. All plates are utensils. Conclusions: I. All bowls cannot be utensils. II. All glasses cannot be utensils.

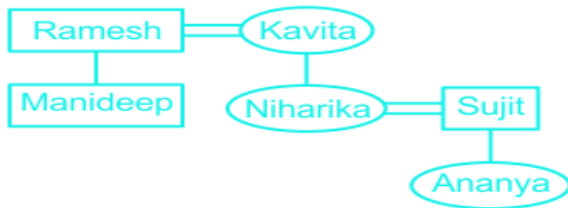
Difficulty : Moderate**Average Time : 84 Seconds****Options :**

1. Both the conclusions follow
2. Neither conclusion I nor II follows
3. Only conclusion II follows
4. Only conclusion I follows

Solution :

The correct answer is **option 2** i.e. **Neither conclusion I nor II follows.**

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

**Conclusions:**

- I. All bowls cannot be utensils **False** (All bowls can be utensils is true so, All bowls cannot be utensils is false)
- II. All glasses cannot be utensils **False** (All glasses can be utensils is true so, All glasses cannot be utensils is false)

Hence, **Neither conclusion I nor II follows.**

Question 86 :

Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number pair that is different.

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

1. 253471: 778



324335: 577

3. 406321: 493

4. 111617: 278

Solution :

The correct answer is **option 2** i.e. **324335: 577**.

The logic used here is:

The Sum of digits on the left side is equal to the sum of digits on the right side.

Option 1: 253471: 778

$$2 + 5 + 3 + 4 + 7 + 1 = 22$$

$$7 + 7 + 8 = 22$$

This follows the logic.

Option 2: 324335: 577

$$3 + 2 + 4 + 3 + 3 + 5 = 20$$

$$5 + 7 + 7 = 19$$

This does not follow the logic.

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

Question 87 :

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

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. ZTOL

2. JDYU

3. OIDZ

4. AUPL

Solution :



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

The logic used here is:

1st letter - 6 = 2nd letter

2nd letter - 5 = 3rd letter

3rd letter - 4 = 4th letter

Option 1: ZTOL

Z - 6 = T

T - 5 = O

O - 4 = K

This does not follow the logic.

Hence, **option 1** is the odd one out.



Question 88 :

Select the number from among the given options that can replace the question mark (?) in the following series. 17, 20, 80, 85, ?, 517

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 412
2. 213
3. 504
4. 510

Solution :

The correct answer is **option 4** i.e. **510**.

Understanding

Given series: 17, 20, 80, 85, ?, 517

The series follows the pattern:

$$17 + 3 = 20$$

$$20 \times 4 = 80$$

$$80 + 5 = 85$$

$$85 \times 6 = 510$$

$$510 + 7 = 517$$

So, the missing term in the series is **510**.

Question 89 :

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

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Rickets
2. Hypertension
3. Gout
4. Arthritis

Solution :

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

Rickets, Gout, and Arthritis are diseases of bone, whereas hypertension is not a disease of bone. Hence, **Hypertension** is the odd one out.

Question 90 :

Choose the option that is related to the third term in the same way as the second term is related to the first term. Pauper: Wealthy:: Vengeful:?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Centrist



Fearless

3. Forgettable

4. Remissive

Solution :

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

The logic used here is:

Pauper: Wealthy

Pauper means a very poor person, and "pauper" is the opposite of "wealthy" which means having a great deal of money, resources, or assets; rich.

Similarly, vengeful:?

Vengeful means seeking to harm someone in return for a perceived injury.

Vengeful is the opposite of remissive which means granting or bringing about remission or pardon.

Question 91 :

Ramesh is the father of Manideep. Ramesh has only two children. Manideep is the brother of Niharika. Niharika is the daughter of Kavita. Ananya is the granddaughter of Kavita. Sujit is the father of Ananya. How is Sujit related to Manideep?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Son-in-law

2. Brother-in-law

3. Son

4. Brother

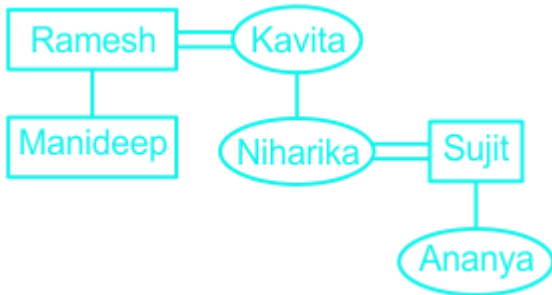
Solution :

The correct answer is **option 2** i.e. **Brother-in-law**.

Understanding

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, Sujit is the brother-in-law of Manideep.

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

Question 92 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 3 5 7 23 27 31 69 135 ?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 217
2. 93
3. 266
4. 155

Solution :

The correct answer is **Option 1** i.e. **217**

The logic used here is:

Column 1: $3 \times 23 = 69$

Column 2: $5 \times 27 = 135$



Similarly;

Column 3: $7 \times 31 = 217$

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

Question 93 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series.
DOWN, CRRU, BUMB, AXHI, ?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. ACPZ
2. CAPZ
3. APCZ
4. ZACP

Solution :

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

Understanding

Given series: DOWN, CRRU, BUMB, AXHI,?

The series follows the pattern:

$$D - 1 = C$$

$$O + 3 = R$$

$$W - 5 = R$$

$$N + 7 = U$$

Similarly,

AXHI,?

$$A - 1 = Z$$

$$X + 3 = A$$

$$H - 5 = C$$

$$I + 7 = P$$

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

Question 94 :

_____ is the external agency applied on a body to change its state of rest or uniform motion.

Difficulty : Moderate**Average Time : 57 Seconds****Options :**

1. Heat
2. Power
3. Energy
4. Force

Solution :

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

Force is the external agency applied to a body to change its state of rest or uniform motion.

- According to Newton's first law, if a body is at rest or moving in a straight line at a constant speed, it will continue to move at that speed or remain at rest until acted with by a force.



The law of inertia is the name given to this postulate.

- Galileo Galilei first proposed the law of inertia for Earth's horizontal motion, and René Descartes later generalized it.

Question 95 :

As of January 2021, who among the following is the Union Minister for Information and Broadcasting?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Prakash Javadekar
2. Ravi Shankar Prasad
3. Smriti Irani
4. Babul Supriyo

Solution :

The correct answer is **option 1** i.e. **Prakash Javadekar**

- As of January 2021, Prakash Javadekar is the Union Minister for Information and Broadcasting.
- but now according to January 2022, Anurag Thakur is the Union Minister for Information and Broadcasting.

Question 96 :

The 'Lezim' dance form is peculiar to which of the following states?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Karnataka
2. Gujarat
3. Maharashtra
4. Bihar

Solution :

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

- In the villages of Maharashtra, a group dance called lezim is performed in formations of two or four people.
- The dance of Lezim is performed while wearing vibrant clothing, and each dancer carries a Lezim, an instrument with jingling cymbals.
- During the Ganesh celebration, it is frequently played.



Lavani, Nakata, Koli, Gafa, and Dahikala are significant Maharashtrian dances.

Question 97 :

Sandalwood grows in which type of forests?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Savanna forests
2. Tropical deciduous forests
3. Equatorial evergreen forests
4. Tropical rainforests

Solution :

The correct answer is **option 2** i.e. **Tropical deciduous forests**.

- Native to China, India, Indonesia, Australia, and the Philippines, sandalwood is a type of **Tropical deciduous forests**.
- With redwood and a range of dark bark tints, this little tropical tree reaches a height of 20 metres (dark brown, reddish and dark grey).
- In the dry deciduous woods of the area, sandalwood is widely distributed, primarily in the Eastern Ghats, from the Vellore district in the northeast of Tamil Nadu to the Nilgiris in the west.
- Only dried-out, dead sandal trees are carried to Tamilnadu depots for preliminary and thorough cleaning.
- In three sandalwood depots located in Tiruppattur, Salem, and Sathyamangalam, the final cleaned sandalwood is periodically auctioned in a public auction.

Question 98 :

Who among the following is the founder of the field of psychoanalysis?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Jean Piaget
2. Kai T Erikson
3. Sigmund Freud
4. Carl Jung

Solution :



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

- Psychoanalytic theory, which stresses unconscious mental processes and is frequently referred to as depth psychology, has influenced psychoanalysis, a way of treating mental problems.
- The fundamental tenet of psychoanalysis is that every person has unconscious feelings, wants, memories, and thoughts.
- According to Freud's psychoanalytic theory, internal tensions lead to a number of phases in the development of a person's personality.

Question 99 :

The main collections of Vedic hymns are called _____.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Sutra
2. Pad
3. Samhita
4. Mukh

Solution :

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

The main collection of Vedic hymns is called Samhita.

- The oldest extant Indic text is the Rigveda Samhita.
- It is divided into ten books and contains 1,028 Vedic Sanskrit hymns totaling 10,600 verses (Sanskrit: mandalas).
- The hymns are sung in honor of the Rigvedic gods.

Question 100 :

Who among the following was the first Indian table tennis player ever to become a nine times senior national champion as of January 2021?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Achanta Sharath Kamal
2. Harmeet Desai
3. Soumyajit Ghosh

Manav Thakkar

Solution :

The correct answer is **option 1** i.e. **Achanta Sharath Kamal**

- Professional table tennis player from India named Achanta Sharath Kamal.
- He broke Kamlesh Mehta's record of eight National Championships by becoming the first Indian table tennis player to win the Senior National Championship nine times.
- He received the Padma Shri in 2019, India's fourth-highest civilian honor.
- He was the first Indian to win the Pyongyang Invitational Tournament, which was played in Pyongyang, North Korea, in 2007.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-18 in the Morning 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 English Language, 25 questions were asked from General Awareness and 25 questions were asked from Logical Reasoning
4. 11 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 - 3
5. Time And Work - 1
6. Interest - 1
7. Ratios And Proportion - 1
8. Geometry - 3
9. Trigonometry - 2
10. Mensuration - 1



- Algebra - 2
- 12. Number System - 1
- 13. Mixtures And Alligations - 4
- 14. Profit And Loss - 1
- 15. Arithmetic - 2

English Language

- 1. Cloze Test - 5
- 2. Spotting Error - 2
- 3. Parajumbles - 1
- 4. Idioms - 1
- 5. One Word Substitution - 2
- 6. Spellings - 2
- 7. Fillers - 2
- 8. Sentence Improvement - 1
- 9. Synonym - 1
- 10. Antonym - 2
- 11. Filler (Vocab) - 6



General Awareness

- 1. History - 4
- 2. Polity - 1
- 3. Economics - 2
- 4. Science - 3
- 5. GK Misc - 15

Logical Reasoning

- 1. Coding Decoding - 2
- 2. Analogy - 4
- 3. Classification - 3
- 4. Blood Relations - 1
- 5. Syllogism - 1
- 6. Venn Diagrams - 1
- 7. Dictionary Based - 1
- 8. Figure Based - 5

- Matrix - 1
- 10. Series - 3
- 11. Mathematical Reasoning - 2
- 12. Cubes And Dice - 1

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

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

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About Neetu Mam

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

