

Ssc Gd Constable prelims Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Gd Constable prelims Previous Year Question Paper on 2021-11-26 in the Afternoon Hindi exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Gd Constable prelims exam. There are 100 questions in the exam and 90 minutes are provided for the Ssc Gd Constable prelims exam. The Cutoff of the exam was 85 marks hence you should try to score at least 95 marks.

Ssc Gd Constable prelims Previous Year Question Paper : Questions and Solutions

Question 1 :

Pipe A is a filling pipe, while B and C are emptying pipes. Pipe A alone can fill a tank in 10 hours and pipe B alone can empty two third part of the tank in 20 hours. If all three pipes are opened together, the tank is completely filled in 40 hours. In how many hours can pipe C alone empty two-third part of the tank?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 24
2. 12
3. 16
4. 20

Solution :

The correct answer is **option 3** i.e. **16**

Given:

Pipe A is a filling pipe, while B and C are emptying pipes.

Pipe A alone can fill a tank in 10 hours and pipe B alone can empty two third part of the tank in 20 hours.

If all three pipes are opened together, the tank is completely filled in 40 hours

Calculations:

B alone empty two third of the tank in 20 hours

B alone empty the whole tank = $20 \times \frac{3}{2} = 30$ hours

Total work (LCM of 10, 30 and 40) = 120 units

Efficiency of A = $120/10 = 12$ units

Efficiency of B = $120/30 = 4$ units (negative)

Efficiency of (A - B - C) = $120/40 = 3$

Efficiency of C = $12 - 4 - 3 = 5$ units

Required time taken by C to empty two-third part of the tank = $120 \times (\frac{2}{3}) \times (\frac{1}{5}) = 16$ hours

Question 2 :

A certain sum of money amounts to Rs. 12144 at simple interest in 4 years and to Rs.13984 in $6\frac{1}{2}$ years. The rate of interest is:

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. 9%
2. 8%
3. 10%
4. 6%

Solution :

The correct answer is **option 2** i.e. **8%**

Given:

A certain sum of money amounts to Rs. 12144 at simple interest in 4 years and to Rs.13984 in $6\frac{1}{2}$ years

Formula used:

Simple interest = $\frac{PRT}{100}$ where ----- (1)

P = Principle, R = rate and T = time

Calculations:

Simple interest for 2.5 years = $13984 - 12144 = 1840$

Interest for 1 year = $1840/2.5 = 736$

Principle = $12144 - (736 \times 4) = 9200$

Using equation (1), we get

$$736 = (9200 \times 1 \times R)/100$$

$$R = 736/92 = 8\%$$

Question 3 :

A trader earns a profit of 30% by selling an article X and loses 16% by selling another article Y. The ratio of the cost prices of X and Y is $3 \hat{=} 4$, then what is the gain/loss in the entire transaction (correct to one decimal place)?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Gain of 3.7%
2. Gain of 4.8%
3. Loss of 4.5%
4. Loss of 3.9%

Solution :

The correct answer is **option 1** i.e. **Gain of 3.7%**

Given:

Cost prices of X and Y is $3 \hat{=} 4$

A trader earns a profit of 30% by selling an article X and loses 16% by selling another article Y

Formula used:

$$\text{Selling price} = \text{Cost price} + \text{cost price} \times \text{profit\%} \quad \text{---- (1)}$$

$$\text{Selling price} = \text{cost price} - \text{cost price} \times \text{loss\%} \quad \text{---- (2)}$$

$$\text{Profit} = \text{Selling price} - \text{cost price}$$

$$\text{Profit\%} = (\text{Profit}/\text{cost price}) \times 100$$

Calculations:

Let the cost price of X and Y be $30x$ and $40x$

Using equation (1) and (2), we get

Selling price of X = $30x + 30x \times 30\% = 39x$

Selling price of Y = $40x - 40x \times 16\% = 33.6x$

Total selling price = $39x + 33.6x = 72.6x$

Total cost price = $30x + 40x = 70x$

Profit = $72.6x - 70x = 2.6x$

Required profit percentage = $(2.6x/70x) \times 100 = 3.7\%$

Question 4 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Censored 2. Cerebellum 3. Centripetal 4. Ceremonial 5. Centurion

Difficulty : Moderate

Average Time : 81 Seconds

Options :

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

Solution :

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

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

1. Censored
2. Centripetal
3. Centurion
4. Cerebellum
5. Ceremonial

Question 5 :

A boat goes 24 km upstream in one hour more than the time taken to cover the same distance downstream. If the speed of



the current of the river is 2 km/h, then what is the speed (in km/h) of the boat in upstream travel?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 8
2. 6
3. 10
4. 9

Solution :

The correct answer is **option 1** i.e. **8**

Given:

A boat goes 24 km upstream in one hour more than the time taken to cover the same distance downstream

Speed of current = 2 km/h

Formula used:

Speed = distance/time

Calculations:

Let the speed of boat be x

Upstream speed = x - 2

Downstream speed = x + 2

According to the question,

$$24/(x - 2) - 24/(x + 2) = 1$$

$$24(x + 2 - x + 2) = x^2 - 4$$

$$24 \times 4 = x^2 - 4$$

$$x^2 = 96 + 4$$

$$x^2 = 100$$

$$x = 10$$

Speed of boat in upstream = x - 2 = 10 - 2 = 8 km/h

**Question 6 :**

If the retail price of a table is Rs. 900 and the gain percentages of the manufacturer, the wholesale dealer and the retailer are 8%, 10% and 20%, respectively. Then what is the cost of production of the table (rounded off to the integer value)?

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

1. Rs. 869
2. Rs. 631
3. Rs. 546
4. Rs. 750

Solution :

The correct answer is **option 2** i.e. **Rs. 631**

Given:

If the retail price of a table is Rs. 900

The gain percentages of the manufacturer, the wholesale dealer and the retailer are 8%, 10% and 20%

Formula used:

Selling price = Cost price + Cost price \times profit% ---- (1)

Calculations:

Let the cost of production of the table be x

Using equation (1), we get

Manufacturer price = $x \times 1.08 = 1.08x$

Wholesaler price = $1.08x \times 1.1 = 1.188x$

Retailer price = $1.188x \times 1.2 = 1.4256x$

According to the question;

$$1.4256x = 900$$

$$x = 631.313 \text{ or } 631$$

Question 7 :

The value of $(\frac{9 \div \{5 - 5 \div (6 - 7) \times 8 + 9\}}{4 + 4 \times 4 \div 4 \text{ of } 4})$ is



Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. $\frac{1}{10}$
2. $\frac{1}{30}$
3. $\frac{1}{15}$
4. $\frac{1}{90}$

Solution :

The correct answer is **option 2** i.e. $\frac{1}{30}$

Concept used:

BODMAS rule

Calculations:

$$\frac{9 \div [(5 - 5 \div (6 - 7)) \times 8 + 9]}{4 + 4 \times 4 \div 4 \text{ of } 4}$$

$$\frac{9 \div [5 - 5 \div (-1) \times 8 + 9]}{4 + 4 \times 4 \div (4 \times 4)}$$

$$\frac{9 \div [5 + 40 + 9]}{4 + 4 \times 4 \div 16}$$

$$\frac{9 \div 54}{4 + 4 \times \frac{1}{4}}$$

$$\frac{\frac{1}{6}}{4 + 1}$$

$$\frac{1}{30}$$

Question 8 :

Marked price of an item is Rs. 800. If a shopkeeper offers two discounts, one of 10% and another of 5% on the item. How much will be the selling price of the item?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Rs. 690
2. Rs. 720
3. Rs. 562
4. Rs. 684

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**Solution :**

The correct answer is **option 4** i.e. **Rs. 684**

Given:

Marked price = Rs 800

Two discounts are 10% and 5%

Formula used:

Selling price = Marked price \times (100 - Discount)/100 ---- (1)

Calculations:

Selling price after 10% discount

Using equation (1), we get

$$\text{Selling price} = 800 \times (100 - 10)/100$$

$$\text{Selling price} = 800 \times 0.9 = \text{Rs } 720$$

Similarly, final selling price after 5% discount, we get

$$\text{Selling price} = 720 \times (100 - 5)/100$$

$$\text{Selling price} = 720 \times 0.95 = \text{Rs } 684$$

Question 9 :

The profit made by selling article for Rs. 12400 is equal to the loss incurred on selling the same article at Rs. 10600. What will be the profit percent if it is sold for Rs. 14950?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 25

2. 28

3. 32

4. 30

Solution :

The correct answer is **option 4** i.e. **30**

Given:



The profit made by selling article for Rs. 12400 is equal to the loss incurred on selling the same article at Rs. 10600

Formula used:

$$\text{Profit} = \text{Selling price} - \text{cost price} \quad \text{---- (1)}$$

$$\text{Loss} = \text{Cost price} - \text{selling price} \quad \text{---- (2)}$$

$$\text{Profit\%} = (\text{profit/cost price}) \times 100 \quad \text{---- (3)}$$

Calculations:

Using equation (1) and (2), we get

$$12400 - \text{CP} = \text{CP} - 10600$$

$$2\text{CP} = 23000$$

$$\text{CP} = 11500$$

Using equation (3), we get

$$\text{Required profit\%} = [(14950 - 11500)/11500] \times 100$$

$$30\%$$

Question 10 :

The LCM and HCF of two numbers are 420 and 6. Sum of the numbers is 102, then what is the difference of the numbers?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 22

2. 42

3. 18

4. 60

Solution :

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

Given:

The LCM and HCF of two numbers are 420 and 6. Sum of the numbers is 102

Formula used:



$$\text{LCM} \times \text{HCF} = a \times b \quad \text{---- (1)}$$

$$(a + b)^2 = a^2 + b^2 + 2ab \quad \text{---- (2)}$$

$$(a - b)^2 = a^2 + b^2 - 2ab \quad \text{---- (3)}$$

Where a and b are two numbers

Calculations:

Let a and b be the two numbers

Using equation (1), we get

$$\text{LCM} \times \text{HCF} = a \times b$$

$$a \times b = 2520$$

Using equation (2),

$$(102)^2 = a^2 + b^2 + 2 \times 2520$$

$$10404 = a^2 + b^2 + 5040$$

$$a^2 + b^2 = 10404 - 5040$$

$$a^2 + b^2 = 5364$$

Putting the above value in equation (3)

$$(a - b)^2 = 5364 - 5040$$

$$(a - b)^2 = 324$$

$$(a - b) = 18$$

Question 11 :

Select the option that is related to the third term in the same way as the second term is related to the first term. LARGE: NDTJG:: APPLES: ?

Difficulty : Moderate

Average Time : 95 Seconds

Options :

1. CSROPU

2. CSROGV

3. CSORGV

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

The logic used here is:

LARGE: NDTJG

$$L + 2 = N$$

$$A + 3 = D$$

$$R + 2 = T$$

$$G + 3 = J$$

$$E + 2 = G$$

Similarly,

APPLES:?

$$A + 2 = C$$

$$P + 3 = S$$

$$P + 2 = R$$

$$L + 3 = O$$

$$E + 2 = G$$

$$S + 3 = V$$

Hence, **option 2** is the correct answer.**Question 12 :**

Two different positions of the same dice are marked with the numbers 1 to 6. Select the number that will be on the face opposite to the face opposite to the face showing '2'.

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

1. 5

2. 3

4

4. 1

Solution :

The correct answer is **option 1** i.e. **5**.

In both the dices, 6 and 4 is common. So, the rest of the face is opposite to each other.

Hence, 5 is opposite to 2.


Question 13 :

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

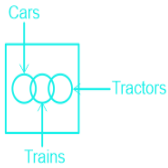
Average Time : 41 Seconds

Options :

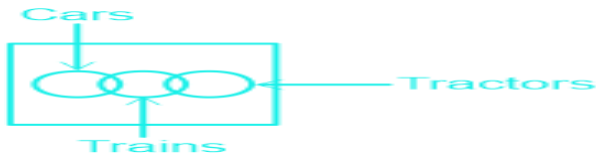
- 
- 1.
 - 2.
 - 3.
 - 4.

Solution :


The correct answer is **option 2**



After unfolding, the paper will appear as follows:



Question 14 :

'Lucknow' is related to 'Gomti' in the same way as 'Varanasi' is related to '_____'.


Difficulty : Moderate

Average Time : 61 Seconds

Options :

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

Solution :

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

The logic used here is:

'Lucknow' is related to 'Gomti'

Lucknow is situated on the bank of river 'Gomti'.

Similarly,

'Varanasi' is related to '_____'

Varanasi is situated on the bank of the river 'Ganga'.

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

Question 15 :

Atharv is married to Chetna, who is the only sister of Dilip. Chetna's paternal grandfather is Mukul. Neha is married to Mukul and they have two sons, Hardik and Bhavesh. Hardik is unmarried. Anjali is the daughter-in-law of Neha. Gyan is

the son of Dilip and Ekta. How is Chetna related to Gyan?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

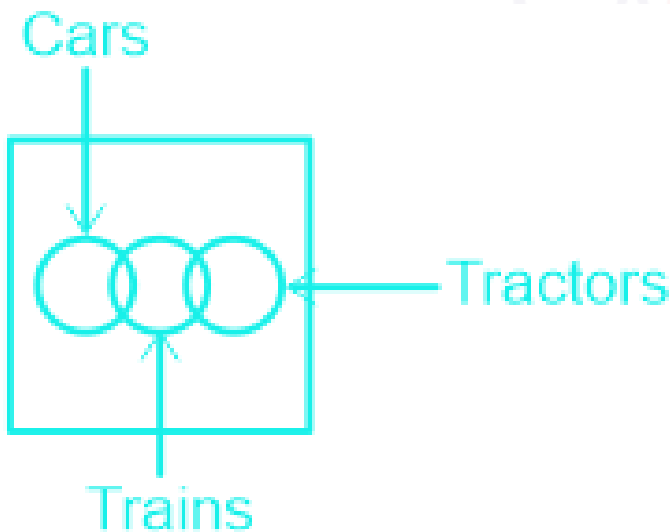
1. Wife
2. Sister-in-law
3. Aunt
4. Daughter-in-law

Solution :

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

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, Gyan's aunt is Chetna.

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

Question 16 :

Eight friends, P, Q, R, S, T, U, V, and W, are sitting clockwise around a circular table in the same sequence, facing the centre, at equal distances between them. If U is facing the northeast direction, then who is facing the south direction?

Difficulty : Moderate

Average Time : 60 Seconds

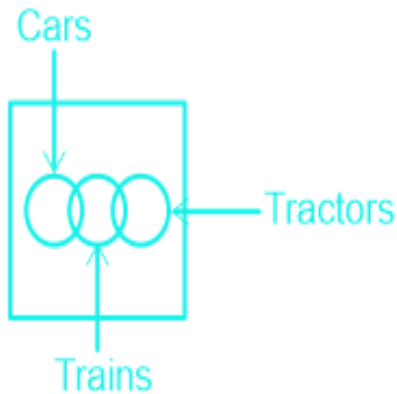
Options :

1. T
2. R
3. D
4. P

Solution :

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

According to the question, the arrangement is as follows:



From the above arrangement, P is facing the south direction.

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

Question 17 :

Which of the following is an instrument of monetary policy of the Reserve Bank of India?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Public debt
2. Tax rate
3. Government expenditure
4. Repo rate

**Solution :**

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

- Repo Rate is the interest rate at which the central bank of a country lends money to commercial banks.
- Repo is an abbreviation for Repurchase Agreement or Repurchasing Option.
- Banks obtain loans from the Reserve Bank of India (RBI) by selling qualifying securities.

Question 18 :

In which of the following seasons are watermelon, muskmelon etc. produced in India?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Kharif
2. Zaid
3. Rainy
4. Rabi

Solution :

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

- Agricultural crops which are grown in the short duration between Rabi and Kharif crop season, mainly from March to June, are called Zaid crops.
- The Zaid crops require warm dry weather for major growth period and longer day length for flowering and fruiting.
- The main crops include traditional summer crops like rice, corn, cucumber, melon, pepper, tomato and some coarse cereals sown during the month of March and are generally harvested by June end.

Question 19 :

'Jagoi', an Indian classical dance form, is traditionally from the state of _____.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Punjab
2. Gujarat
3. Karnataka



Manipur

Solution :

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

- Jagoi is a traditional folk dance performed during the Lai Haroaba festival of Manipur.
- It is associated with an equally fascinating Meitei (Manipuri language and its old culture) myth which is as follows: God Atinga Shidaba had three sons; Amiba, Ashiba, and Achiba.
- The dance is performed to perpetuate the love of Ningthou and Panthoibi.

Question 20 :

Every bill after being passed by the houses of parliament, either singly or in a joint sitting, is presented to the _____ for his assent.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. President
2. Law Minister
3. Chief Justice
4. Prime Minister

Solution :

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

- After a Bill has been passed by both the Houses of Parliament, it is presented to the President for his assent.
- After a Bill has received the assent of the President, it becomes the law of the land.
- A Bill is the draft of a legislative proposal which has to pass through various stages before it becomes an Act of Parliament.

Question 21 :

The first Economic Survey of India was presented in _____.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 1965–66
2. 1972–73



1948–49

4. 1950–51

Solution :

The correct answer is **option 4** i.e. **1950–51**.

- The first Economic Survey of India was presented in 1950–51 and until 1964, it was presented along with the Union Budget.
- Economic Survey, presented in the Parliament ahead of the Union Budget, is the Ministry of Finance's flagship document.
- The Economic Survey also offers glimpses into the current state of the economy, and occasional insights into the economic outlook.

Question 22 :

Which of the following is NOT a sustainable method of waste management?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Recycling
2. Landfill
3. Burning
4. Incineration

Solution :

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

Question 23 :

Who among the following was one of the Indian winners of the Great Immigrants of the Year 2020 award given by the US?

Difficulty : Moderate

Average Time : 34 Seconds

Options :

1. Deepak Chopra
2. N kki Haley
3. Siddhartha Mukherjee
4. Gita Gopinath

**Solution :**

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

- Siddhartha Mukherjee is the author of The Emperor of All Maladies: A Biography of Cancer, winner of the 2011 Pulitzer Prize in general nonfiction, and The Laws of Medicine.
- He is the editor of Best Science Writing 2013.
- Siddhartha Mukherjee's THE GENE: An Intimate History is his latest work – the story of the quest to decipher the master-code of instructions that makes and defines humans, that governs our form, function, and fate and determines the future of our children.

Question 24 :

Diego Maradona, the Argentine soccer player who passed away on 25 Nov 2020, is fondly remembered for one memorable goal known as:

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Golden hand' goal
2. 'Silver lining' goal
3. 'Hand of God' goal
4. 'Hand of Maradona' goal

Solution :

The correct answer is **option 3** i.e. **'Hand of God' goal**.

- Diego Maradona, who led Argentina to victory in the 1986 World Cup but was tormented by drug abuse died at the age of 60.
- He is one of the greatest soccer players of all time and achieving a godlike status in his homeland when he led Argentina to victory in the 1986 World Cup.
- Maradona played 91 games for the Argentine national team and was a star for teams in Italy and Spain.
- He played his last World Cup game in Foxboro, Mass., in 1994, escorted off the field for a drug test he would fail.

Question 25 :

With reference to the literature of the medieval Indian period, which of the following pairs is correct?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

Rajatarangini - Bilhana

2. Prithviraj Raso - Nripatunga

3. Vikramankadevacharita - Kalhana

4. Gitagovinda - Jayadeva

Solution :

The correct answer is **option 4** i.e. **Gitagovinda - Jayadeva.**

- Shri Jayadeva wrote the Gitagovinda in the 12th century at Odisha.
- It was a dedication of poet Jayadeva to Shri Jagannath, but such was the charm of his writing that the love lore of Shri Krishna and his consort Radha coloured the entire canvas of the Bhakti movement in Hinduism.
- Written in Sanskrit, Jayadeva's Gitagovinda eternalized the love tales of Sri Krishna and Devi Radha for all time to come.

Question 26 :

Who invented the electric bulb?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Albert Einstein
2. Isaac Newton
3. Thomas Alva Edison
4. Alexander Graham Bell

Solution :

The correct answer is **option 3** i.e. **Thomas Alva Edison.**

- The first electric light bulb, was invented by Thomas Alva Edison in 1879 and patented on January 27, 1880.
- Thomas Alva Edison exerted a tremendous influence on modern life, contributing inventions such as the incandescent light bulb, the phonograph, and the motion picture camera, as well as improving the telegraph and telephone.
- In 1877, Edison worked on a telephone transmitter that greatly improved on Alexander Graham Bell's work with the telephone.

Question 27 :

Who among the following was the founder of Khudai Khidmatgar, a predominantly Pashtun nonviolent resistance movement known for its activism against the British Raj in colonial India?



Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Lala Lajpat Rai
2. Bal Gangadhar Tilak
3. Khan Abdul Ghaffar Khan
4. Subhash Chandra Bose

Solution :

The correct answer is **option 3** i.e. **Khan Abdul Ghaffar Khan**.

- In 1929, the *Khudai Khidmatgars* (“Servants of God”) movement, led by Khan Abdul Ghaffar Khan, nonviolently mobilized to oppose the British in India’s Northwest Frontier Province.
- Ghaffar Khan and the Khudai Khidmatgar movement inspired thousands of Pashtuns (also called Pathans), who were known as fierce warriors, and others to lay down their arms and use civil resistance to challenge British rule.

Question 28 :

The Rajarajeshwara temple at Thanjavur is dedicated to:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Lord Rama
2. Lord Ganesha
3. Lord Krishna
4. Lord Shiva

Solution :

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

- Brihadeeshwara Temple (Peruvudaiyar Kovil) is a Hindu temple dedicated to Shiva located in Thanjavur in the Indian state of Tamil Nadu.
- It is also known as Periya Kovil, RajaRajeswara Temple and Rajarajesvaram.
- It is one of the largest temples in India and is an example of Dravidian architecture during the Chola period.
- Built by emperor Raja Raja Chola I and completed in 1010 AD, the temple turned 1000 years old in 2010. The temple is part of the UNESCO World Heritage Site known as the “Great Living Chola Temples”, with the other two being the Brihadeeswarar Temple, Gangaikonda Cholapuram and Airavatesvara Temple.



Question 29 :

Which of the following statements about the Mughal Emperor Babur is INCORRECT?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. He was the first Mughal Emperor.
2. He succeeded to the throne in 1494.
3. He was 18 years old when he ascended the throne.
4. He succeeded to the throne of Ferghana.

Solution :

The correct answer is **option 3** i.e. **He was 18 years old when he ascended the throne.**

- Zahir-ud-din Mohammad Babur emperor (1526–30) and founder of the Mughal dynasty of India reigned from February 14, 1483 - December 26, 1530.
- In 1526 he founded the Mughal Empire and dynasty, although it was Akbar the Great who turned what was really a kingdom into an empire.
- Babur allegedly built the Babri Mosque in Ayodhya, on the site of a Hindu temple that marked Ram's birthplace, in 1528.
- In 1992 Hindu fundamentalists destroyed the mosque, setting off riots throughout the sub-continent.

Question 30 :

In which of the following states is the Similipal National Park located?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Odisha
2. Tamil Nadu
3. Bihar
4. Maharashtra

Solution :

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

- Simlipal National Park is located in the Mayurbhanj district of Orissa.
- Simlipal Reserve is the safest paradise for "n" number of wildlife creatures for better habitation and protection.



They are Leopard, Gaur, Elephant, Langur, Barking and Spotted Deer, Sloth Bear Mongoose, Flying Squirrel, Porcupine, Turtle, Monitor Lizard, Python, Sambar, Pangolin, Crocodile etc.

- Simlipal Reserve is a treasure house of 1076 species of plants belonging to 102 different families.

Question 31 :

In November 2020, the Andaman and Nicobar Command (ANC) conducted a joint services exercise code-named _____ involving the three services components of Andaman and Nicobar Command.

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

1. Blue R bbon
2. Bull Fight
3. Blue Sea
4. Bull Strike

Solution :

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

- Andaman and Nicobar Command (ANC) conducted a joint services exercise code named 'Bull Strike', involving the three Services components of Andaman and Nicobar Command.
- Around 170 troops from three services – Army, Navy and the Air force undertook Para drop Ops in a Combat Free Fall & Static Line mode from the C-130 J.
- There were 149 Indian Army, 12 Indian Air Force and 9 Indian Navy soldiers who participated in several combat drills ahead of the jumps and during jumps.

Question 32 :

The term 'Panchsheel' is associated with which of the following options?

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

1. Fundamental Duties
2. Composition of NITI Aayog
3. Inter-State Relations
4. Foreign Policy of India

Solution :



The correct answer is **option 4** i.e. **Foreign Policy of India**.

- The Panchsheel, or Five Principles of Peaceful Coexistence, was first formally signed on April 28, 1954, between India and the Tibet region of China.
- The agreement was signed between then Prime Minister Jawaharlal Nehru and China's first Premier (Prime Minister) Chou En-Lai.
- The word Panchsheel is derived from historical Buddhist inscriptions, which are the five prohibitions that determine the behavior of Buddhist monks, that is, every Buddhist person is prohibited from doing these works.

Question 33 :

Which Indian union territory has 'Dugong' as the state animal?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Daman Diu
2. Puducherry
3. Ladakh
4. Andaman Nicobar

Solution :

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

- Dugongs (Dugong dugon), also known as sea cows, have a broad but fragmented range, encompassing tropical waters from East Africa to Vanuatu, about 26 degrees both north and south of the equator.
- Dugongs (Dugong dugong) are closely related to manatees and are the fourth species under the order sirenia.
- Dugongs are born a pale, cream color and darken to a slate gray as they age, which is around 70 years on average.

Question 34 :

Who among the following declares the Minimum Support Price (MSP) for the crops?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Ministry of Rural Development
2. Ministry of Consumer Affairs, Food and Public distribution
3. Ministry of Agriculture and Farmers Welfare
4. Ministry of Food Processing Industries

**Solution :**

The correct answer is **option 3** i.e. **Ministry of Agriculture and Farmers Welfare.**

- The MSP is the rate at which the government purchases crops from farmers, and is based on a calculation of at least one-and-a-half times the cost of production incurred by the farmers.
- MSP is a “minimum price” for any crop that the government considers as remunerative for farmers and hence deserving of “support”.
- The minimum support prices are announced by the Government of India at the beginning of the sowing season for certain crops on the basis of the recommendations of the Commission for Agricultural Costs and Prices (CACP).

Question 35 :

Lala Lajpat Rai, a nationalist from Punjab, was a member of the _____.

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

1. Conservative group
2. Moderate group
3. Radical group
4. Republican group

Solution :

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

- Born in 1865, he became a follower of Dayanand Saraswati, the founder of the Arya Samaj, and went on to become one of the society’s leaders.
- Lalaji was remembered for his role during the Swadeshi movement and for his advocacy of education.
- His idea of people of all religions as true citizens of India, combined with Gandhiji’s ideas of inclusive fight against British led to Non- Cooperative movement linked with the Khilafat movement.
- He was elected President of the Indian National Congress during its Special Session in Kolkata in 1920, which saw the launch of Mahatma Gandhi’s Non-cooperation Movement.

Question 36 :

As of October 2020, how many beaches of India have been awarded the 'Blue Flag'?

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

1. 7

8

3. 9

4. 6

Solution :

The correct answer is **option 2** i.e. **8**.

- Eight beaches in India have been awarded the prestigious Blue Flag certification.
- Blue Flag is one of the world's most recognised voluntary eco-labels awarded to beaches, marinas, and sustainable boating tourism operators.
- The most recent additions to the list of Blue Flag beaches in India were Minicoy Thundi Beach and Kadmat Beach in Lakshadweep.
- Blue Flag beaches are considered to be the cleanest beaches in the world.

Question 37 :

Rice needs _____ to grow.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. moderate temperature and rainfall
2. high temperature, high humidity and rainfall
3. moderate temperature and lots of sunshine
4. high temperature and light rainfall

Solution :

The correct answer is **option 2** i.e. **high temperature, high humidity and rainfall**.

- Rice is a tropical crop and grown where the average temperature during the growing season is between 20°C and 27°C.
- Paddy cultivation is done only in those areas where minimum rainfall is 115 cm.
- Paddy is grown in wide range of soil, from the podzolic alluvium of China to the impermeable heavy clay of central Thailand.
- Paddy requires three essential plant nutrients: nitrogen, phosphorus and potassium.

Question 38 :

Which of the following words has been named the '2020 Word of the Year' by Cambridge Dictionary?



Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Pandemic
2. Quarantine
3. Lockdown
4. Survive

Solution :

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

- Cambridge Dictionary has named 'quarantine' as Word of the Year 2020.
- Quarantine was the only word to rank in the top five for both search spikes and overall views (more than 183,000 by early November), with the largest spike in searches (28,545) seen in the week of March 18-24.
- Existing meanings of the word include: "a specific period of time in which a person or animal that has a disease, or may have one, must stay or be kept away from others in order to prevent the spread of the disease."

Question 39 :

Which of the following is a characteristic of 'Pteridophytes'?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. They do not have a true vascular tissue containing lignin.
2. Their lifecycles are dominated by the gametophyte stage
3. Their sporophytes are unbranched.
4. They neither produce flowers or seeds.

Solution :

The correct answer is **option 4** i.e. **They neither produce flowers or seeds**.

- Pteridophytes are vascular plants and have leaves (known as fronds), roots and sometimes true stems, and tree ferns have full trunks.
- Examples include ferns, horsetails and club-mosses. Fronds in the largest species of ferns can reach some six metres in length.
- They are autotrophs, as they make their food by themselves.
- They reproduce through both sexual and asexual modes (vegetative propagation)



Question 40 :

Which of the following was NOT a venue in IPL 2020?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Sharjah
2. Muscat
3. Dubai
4. Abu Dhabi

Solution :

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

- 13th edition of the IPL was played in UAE (United Arab Emirates).
- IPL 2020 was scheduled between 19 September 2020 and 10 November 2020.
- IPL 2020 opening match was played between the Mumbai Indians(MI) Vs Chennai Super Kings (CSK) on 19 September 2020 in ABU DHABI, UAE.

Question 41 :

In which of the following states did the Union Minister of Youth Affairs and Sports, Kiren Rijiju virtually inaugurate the 11th Regional Centre of Sports Authority of India in November 2020?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Odisha
2. Assam
3. Kerala
4. Punjab

Solution :

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

- Union Minister of Youth Affairs and Sports Shri Kiren Rijiju virtually inaugurated Sports Authority of India's (SAI) new Regional Centre in Zirakpur, Punjab today which act as one of the main SAI centres for the northern belt of India.
- In the 2004 general election, Kiran Rijiju was elected as a member of the 14th Lok Sabha, representing the constituency of Arunachal West.



Rijju entered the Lok Sabha for the second time in 2014 from the Arunachal (West) constituency.

Question 42 :

In the following diagram, the circle represents 'Managers', the square represents 'Honest', the rectangle represents 'Females', and the triangle represents 'Rural'. The number that represents rural honest managers who are NOT females is:

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

1. 12
2. 9
3. 13
4. 10

Solution :

The correct answer is **option 3** i.e. **13**.

The number that represents rural honest managers who are not females = Number that is common to circle, triangle, and square = 13

Question 43 :

In a certain code language, 'FLORA' is written as 'DORII'. How will 'MUSIC' be written in that language?

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

1. FVFPR
2. GQWQF
3. FFVRP
4. GFWQQ

Solution :

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

The logic used here is:



'FLORA' is written as 'DORII'

First, reverse the given code.

FLORA = IIROD

$F + 3 = I$

$L - 3 = I$

$O + 3 = R$

$R - 3 = 0$

$A + 3 = D$

Similarly,

Code for the word MUSIC:

$M + 3 = P$

$U - 3 = R$

$S + 3 = V$

$I - 3 = F$

$C + 3 = F$

MUSIC = FFVRP

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

Question 44 :

Rajan's family spends 60% of their monthly income on groceries, 12% of their monthly income on room rent, 8% of their monthly income on medical expenses, and the remaining amount of ₹1,18,000 is savings. What is Rajan's family's monthly income?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. ₹1,80,250

2. ₹1,90,200

3. ₹1,90,000

₹,180,000

Solution :

The correct answer is **option 3** i.e. ₹,190,000

Question 45 :

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

Difficulty : Moderate

Average Time : 32 Seconds

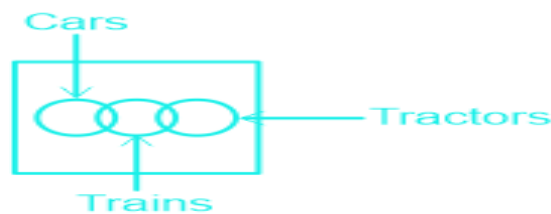
Options :

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

Solution :

The correct answer is **option 2**

The mirror image of the question figure is shown below:



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

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

Question 46 :

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

Difficulty : Moderate

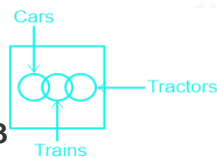
Average Time : 72 Seconds

Options :

- 1.

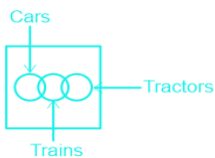
-
- 1.
-
- 2.
-
- 3.
-
- 4.

Solution :



The correct answer is **option 3**

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



Question 47 :

Six friends, G, H, I, J, K, and L, are sitting around a circular table, facing toward the centre of the table. H is sitting third to the left of G. L and I are not neighbours of H. K is sitting to the immediate right of I. Who is sitting to the immediate left of L?

Difficulty : Moderate

Average Time : 73 Seconds

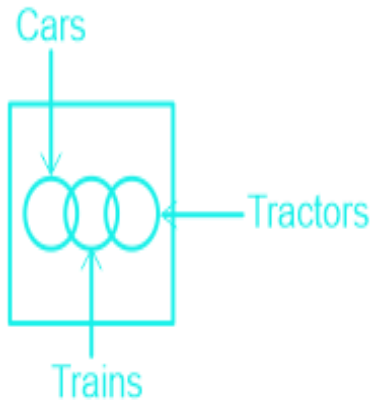
Options :

1. J
2. H
3. I

G**Solution :**

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

According to the question, the arrangement is as follows:



From the above arrangement, J is sitting to the immediate left of L.

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

Question 48 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. STGMQ, SGQTM, SQMGT, ?

Difficulty : Moderate**Average Time : 49 Seconds****Options :**

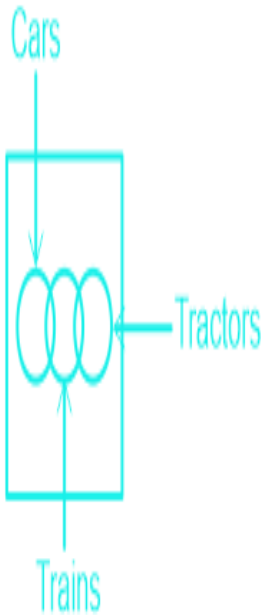
1. STQMG
2. SGTQM
3. SMTQG
4. SMQTG

Solution :

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

Given series: STGMQ, SGQTM, SQMGT, ?

The series follows this pattern:



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

Question 49 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. T K _ T K T _ P _ K _ K P T K _ K _ T K

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. P, T, K, P, T, K
2. P, K, T, T, T, P
3. P, K, T, P, K, T
4. P, T, T, K, P, T

Solution :

The correct answer is **option 2** i.e. **P, K, T, T, T, P**.

The sequence is – **P, K, T, T, T, P**

Given sequence: T K _ T K T _ P _ K _ K P T K _ K _ T K

Option 1: P, T, K, P, T, K

T K P T K T T P K K P K P T K T K K T K

Option 1 does not form a particular pattern.

Option 2: P, K, T, T, T, P

TKPTK / TKPTK / TKPTK / TKPTK

Option 2 forms a particular pattern.

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

Question 50 :

In a certain code language, 'POEM' is coded as '63'. How will 'FILE' be coded in that language?

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. 78

2. 82

3. 80

4. 76

Solution :

The correct answer is **option 3** i.e. **80**.

The logic used here is:

'POEM' is coded as '63'

Opposite of P = K = 11

Opposite of O = L = 12

Opposite of E = V = 22

Opposite of M = N = 14

POEM = 11 + 12 + 22 + 14 = 59 + Number of letters in the word = 59 + 4 = 63

Similarly,

Code for the word FILE:

Opposite of F = U = 21

Opposite of I = R = 18



Opposite of L = O = 15

Opposite of E = V = 22

FILE = 21 + 18 + 15 + 22 = 76 + Number of letters in the word = 76 + 4 = 80

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

Question 51 :

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 : 62 Seconds

Options :

1. BQJM
2. DEWK
3. GSHH
4. ATGN

Solution :

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

The logic used here is:

1st letter = Opposite of the 4th letter - 12

Opposite of 3rd letter = 2nd letter

Option 1: BQJM

B = Opposite of M - 12 = N - 12 = 2 = B

Opposite of J = Q

This follows the logic.

Option 2: DEWK

D = Opposite of K - 12 = 16 - 12 = 4 = D

Opposite of W = D



This does not follow the logic.

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

Question 52 :

Which two numbers should be interchanged to make the given equation correct? $27 + 36 \div 9 \times 15 - 24 = 57$

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 27 and 24
2. 27 and 9
3. 24 and 9
4. 15 and 9

Solution :

The correct answer is **option 1** i.e. **27 and 24**.

Given equation : $27 + 36 \div 9 \times 15 - 24 = 57$

Option 1: 27 and 24

After interchanging the expression becomes:

$$= 24 + 36 \div 9 \times 15 - 27 = 57$$

= 57 is equal to 57.

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

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

Question 53 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 3 16 26 4 20 32 6 28 ?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 38
2. 46
3. 44



48

Solution :

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

The logic used here is:

Column 1:

$$3 + 1 = 4$$

$$4 + (1 \times 2) = 4 + 2 = 6$$

Column 2:

$$16 + 4 = 20$$

$$20 + (4 \times 2) = 20 + 8 = 28$$

Column 3:

$$26 + 6 = 32$$

$$32 + (6 \times 2) = 32 + 12 = 44$$

Question 54 :

Select the number from among the given options that can replace the question mark (?) in the following series. 31, 32, 36, 63, 79, 204, ?

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

1. 220

2. 202

3. 204

4. 240

Solution :

The correct answer is **option 4** i.e. **240**.

Given series: 31, 32, 36, 63, 79, 204, ?

The series follows this pattern:

$$31 + 1^3 = 31 + 1 = 32$$

$$32 + 2^2 = 32 + 4 = 36$$

$$36 + 3^3 = 36 + 27 = 63$$

$$63 + 4^2 = 63 + 16 = 79$$

$$79 + 5^3 = 79 + 125 = 204$$

$$204 + 6^2 = 204 + 36 = 240$$

So, the next term in the series is **240**.

Question 55 :

Select the number from among the given options that can replace the question mark (?) in the following series. 10, 21, 35, 56, 90, 145, 231, 360, ?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

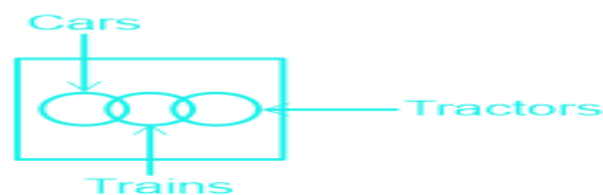
1. 546
2. 463
3. 564
4. 436

Solution :

The correct answer is **option 1** i.e. **546**.

Given series: 10, 21, 35, 56, 90, 145, 231, 360, ?

The series follows this pattern:



So, the next term in the series is **546**.

Question 56 :

Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number. 15: 555::? : 221:: 17: 719



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Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 23
2. 11
3. 19
4. 5

Solution :

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

The logic used here is:

15: 555

$5 + 5 + 5 = 15$

17: 719

$7 + 1 + 9 = 17$

Similarly,

? : 221

$2 + 2 + 1 = 5$

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

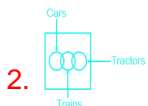
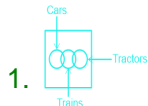
Question 57 :

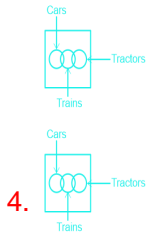
Select the figure from among the given options that can replace the question mark (?) and complete the pattern (Rotation is NOT allowed).

Difficulty : Moderate

Average Time : 41 Seconds

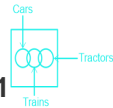
Options :



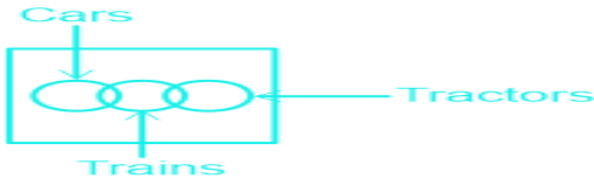


Solution :

The correct answer is **option 1**



The logic used here is:



Question 58 :

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: Some cars are trains. Some trains are tractors. Conclusions: I. No tractor is a car. II. No train is a car. III. Some tractors are cars.

Difficulty : Moderate

Average Time : 74 Seconds

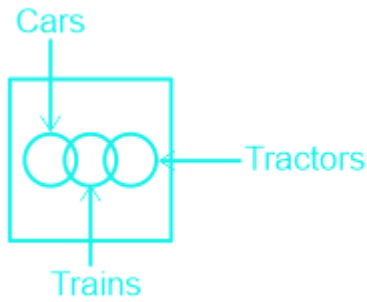
Options :

1. Both conclusions I and II follow
2. All the conclusions follow
3. Either conclusion I or III follows
4. Both conclusions II and III follow

Solution :

The correct answer is **option 3** i.e. **Either conclusion I or III follows.**

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

**Conclusions:**

- I. No tractor is a car **False** (It is possible but no definite conclusion can be drawn.)
- II. No train is a car **False** (It is possible but no definite conclusion can be drawn.)
- III. Some tractors are cars **False** (It is possible but no definite conclusion can be drawn.)

But, conclusions I and III are complementary to each other, so, either of them follows.

Hence, **Either conclusion I or conclusion III follows.**

Question 59 :

In a certain code language, 'FLOWER' is written as 'KQTSAN'. How will 'WINDOW' be written in that language?

Difficulty : Moderate

Average Time : 77 Seconds

Options :

- 1. CNSZLS
- 2. BNSALS
- 3. BNSZKS
- 4. BMSAKS

Solution :

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

The logic used here is:

'FLOWER' is written as 'KQTSAN'

$$F + 5 = K$$

$$L + 5 = Q$$

$$O + 5 = T$$



$$W - 4 = S$$

$$E - 4 = A$$

$$R - 4 = N$$

Similarly,

Code for the word WINDOW:

$$W + 5 = B$$

$$I + 5 = N$$

$$N + 5 = S$$

$$D - 4 = Z$$

$$O - 4 = K$$

$$W - 4 = S$$

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

Question 60 :

The volume of a right circular cylinder is 8448 cm^3 and its curved surface area (in cm^2) is $\frac{1}{8}$ of the number representing its volume. What is the height (in cm) of the cylinder?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 8.4
2. 9.1
3. 11.2
4. 10.5

Solution :

The correct answer is **option 4** i.e. **10.5**

Given:

The volume of a right circular cylinder is 8448 cm^3 and its curved surface area (in cm^2) is $\frac{1}{8}$ of the number representing its volume

Formula used:



$$\text{Volume of cylinder} = r^2h \quad \text{---- (1)}$$

$$\text{Curved surface of cylinder} = 2rh \quad \text{---- (2)}$$

Where, r = radius and h = height

Calculations:

Using equation (2)

According to the question,

$$2rh = (1/8) \times 8448$$

$$2rh = 1056$$

$$rh = 1056/2 = 528$$

We know that,

$$r^2h = 8448$$

$$rh \times r = 8448$$

$$528 \times r = 8448$$

$$r = 16$$

Putting $r = 16$ in equation (3)

$$rh = 528$$

$$(22/7) \times 16 \times h = 528$$

$$h = 10.5$$

Question 61 :

15 persons begin to work together on a job, but after some days 6 persons leave. As a result, the job which could have been completed in 42 days is completed in 54 days. After how many days of the commencement of the work did 6 persons leave?

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. 24

2. 12



18

4. 32

Solution :

The correct answer is **option 1** i.e. **24**

Given:

15 persons begin to work together on a job, but after some days 6 persons leave.

As a result, the job which could have been completed in 42 days is completed in 54 days

Formula used:

Total work = Efficiency \times time \times persons ---- (1)

Calculations:

Let the efficiency of each person be x and after y days 6 persons left the job

Using equation (1),

Total work = $15 \times x \times 42 = 630x$ units

Remaining persons = $15 - 6 = 9$

Remaining work = $630x - (15 \times x \times y)$

Days 9 persons worked = $(54 - y)$

According to the question;

$$630x - (15xy) = 9 \times x \times (54 - y)$$

Divide the whole equation above by x

$$630 - 15y = 9 \times (54 - y)$$

$$630 - 15y = 486 - 9y$$

$$630 - 486 = 15y - 9y$$

$$144 = 6y$$

$$y = 24$$

Question 62 :

In a right-angled triangle, the right angle is contained between the sides with lengths of 14 cm and 48 cm. It is made to revolve around the longer side. What is the volume of the solid so formed? (Use $(\pi = \frac{22}{7})$)

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. 29568 cm³
2. 2112 cm³
3. 33792 cm³
4. 9462 cm³

Solution :

The correct answer is **option 4** i.e. **9462 cm³**

Given:

In a right-angled triangle, the right angle is contained between the sides with lengths of 14 cm and 48 cm. It is made to revolve around the longer side

Formula used:

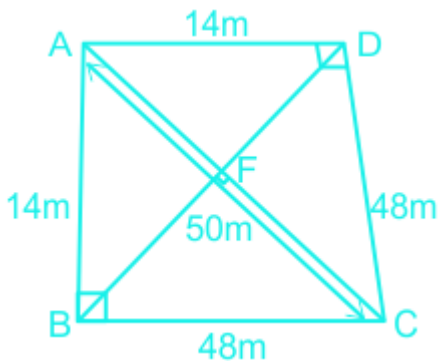
In a triangle ABC right angled at B, Pythagoras theorem;

$$(\text{Hypotenuse})^2 = (\text{Base})^2 + (\text{Perpendicular})^2 \quad \text{---- (1)}$$

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

Where, r = radius and h = height

Calculations:



Let ABC a right angled triangle at B, using equation (1), we get

$$AB = 14 \text{ and } BC = 48$$

$$AC^2 = AB^2 + BC^2$$



$$AC^2 = 14^2 + 48^2$$

$$AC^2 = 2500$$

$$AC = 50$$

We know that BF is perpendicular to AC, such that

$$BF \times AC = AB \times BC$$

$$BF = (14 \times 48)/50$$

$$BF = 13.44$$

Now when triangle ABC is revolved around AC, we get two cones ABD and BCD

$$\text{Radius} = 13.44$$

$$\text{Height} = AF/CF$$

Using equation (2), we get

Volume of the solid formed = Volume of cone ABD + Volume of cone BCD

$$= \frac{1}{3} \times (13.44 \times 13.44 \times AF) + \frac{1}{3} \times (13.44 \times 13.44 \times CF)$$

$$= \frac{1}{3} \times (13.44 \times 13.44) \times (AF + CF)$$

$$= \frac{22}{7} \times (13.44 \times 13.44) \times 50 / 3 = 9461.7 = 9462 \text{ cm}^3$$

Question 63 :

The amount obtained by investing a sum of Rs. 15,000 at 8% p.a. in a certain time is Rs. 17,496, interest compounded annually. What will be the amount (in Rs.) of the same sum at 15% for the same time, interest compounded monthly?

Difficulty : Moderate

Average Time : 120 Seconds

Options :

1. 19976
2. 19965
3. 19943
4. 19954

Solution :

The correct answer is **option 2** i.e. **19965**

**Given:**

The amount obtained by investing a sum of Rs. 15,000 at 8% p.a. in a certain time is Rs. 17,496, interest compounded annually

Formula used:

$$\text{Amount} = P(1 + R/100)^T \quad \text{----- (1)}$$

$$\text{Compound Interest} = \text{Amount} - \text{Principle} \quad \text{----- (2)}$$

Where, P = principle, R = rate and T = time

Calculations:

Let the time be x years

Using equation (1), we get

$$15000(1 + 8/100)^x = 17496$$

$$1.08^x = 17496/15000$$

$$1.08^x = 1.1664$$

$$1.08^x = 1.08^2$$

$$x = 2$$

When the interest is compounded 8 monthly, $x = 24/8 = 3$

Similarly, rate = $15 \times 8/12 = 10\%$

Using equation (1), we get

$$15000(1 + 10/100)^3$$

$$15000 \times 1.1 \times 1.1 \times 1.1 = 19965$$

Question 64 :

In a college election, the winning secretarial candidate got 69% of the votes and won 342 votes more than his rival. The total number of students in the college is:

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. 800

900

3. 750

4. 1000

Solution :

The correct answer is **option 2** i.e. **900**

Given:

In a college election, the winning secretarial candidate got 69% of the votes and won 342 votes more than his rival

Calculations:

Let the total number of students be $100x$

Winning candidate = $69x$

Losing candidate = $31x$

Difference of votes = $69x - 31x = 38x$

$$38x = 342$$
$$x = 9$$

Total number of students = $100x = 100 \times 9 = 900$

Question 65 :

The average weight of a certain number of children in a group was 31 kg. If 11 children of average weight 32.5 kg joined the group, then the average weight of all the children would increase by 0.25 kg. The number of children initially in the group was:

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

1. 60

2. 50

3. 55

4. 45

Solution :

The correct answer is **option 3** i.e. **55**

**Given:**

The average weight of a certain number of children in a group was 31 kg.

If 11 children of average weight 32.5 kg joined the group, then the average weight of all the children would increase by 0.25 kg

Formula used:

Average = sum of observations/number of observations ----- (1)

Calculations:

Let the number of children be x.

Sum of the weight of children initially = $31x$

Sum of weight of 11 children = $32.5 \times 11 = 357.5$

According to the question;

$$31x + 357.5 = (x + 11) \times (31 + 0.25)$$

$$31x + 357.5 = 31.25x + 343.75$$

$$31.25x - 31x = 357.5 - 343.75$$

$$0.25x = 13.75$$

$$x = 55$$

Question 66 :

Find the value of $(3 + (1 + \frac{1}{2}) - (3 - (8 \div 2))) + \frac{1}{3} + \frac{2}{5}$

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. $\frac{187}{30}$
2. $\frac{67}{30}$
3. $\frac{37}{30}$
4. $\frac{125}{30}$

Solution :

The correct answer is **option 1** i.e. $\frac{187}{30}$

**Concept used:**

BODMAS rule

Calculations:

$$3 + (1 + 1/2 - (3 - (8 \div 2))) + 1/3 + 2/5)$$

$$3 + (1 + 1/2 - (3 - 4)) + 1/3 + 2/5)$$

$$3 + (1 + 1/2 + 1 + 1/3 + 2/5)$$

$$(90 + 45 + 30 + 22)/30$$

$$187/30$$

Question 67 :

A person walking at a speed of 7.2 km/h and crosses a bridge in 25 minutes. Find the length of the bridge (in metres)

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

1. 1575
2. 1960
3. 3000
4. 2000

Solution :

The correct answer is **option 3** i.e. **3000**

Given:

A person walking at a speed of 7.2 km/h and crosses a bridge in 25 minutes

Formula used:

$$\text{Speed} = \text{Distance}/\text{time} \quad \text{---- (1)}$$

Calculations:

$$7.2 \text{ km/h in m/s} = 7.2 \times (5/18) = 2 \text{ m/s}$$

$$25 \text{ minutes in seconds} = 25 \times 60$$

$$\text{Length of the bridge} = 2 \times 25 \times 60 = 3000 \text{ meters}$$

**Question 68 :**

What is the greatest four digit number which is exactly divisible by 24, 40 and 48?

Difficulty : Moderate**Average Time : 49 Seconds****Options :**

1. 9960
2. 9990
3. 9980
4. 9840

Solution :

The correct answer is **option 4** i.e. **9840**

Concept used:

LCM method

Calculations:

LCM of (24, 40 and 48) = 240

Greatest four digit number = 9999

Divide 9999 by 240 we get = $9999/240 = 41.6625$ as quotient

Therefore, the greatest four digit number divisible by 24, 40 and 48 = 41×420

= 9840

Question 69 :

From a basket full of eggs, 20% of the eggs broke, 8% were rotten and 24% were kept aside for baking a cake. The remaining 12 eggs were consumed by some people. How many eggs were there in the basket initially?

Difficulty : Moderate**Average Time : 50 Seconds****Options :**

1. 25
2. 52
3. 20



48

Solution :

The correct answer is **option 1** i.e. **25**

Calculations:

Let the total number of eggs be $100x$

20% of the eggs broke, 8% were rotten and 24% were kept aside for baking a cake

Remaining eggs = $100x - 52x = 48x$

$$48x = 12$$

$$x = 1/4$$

Total eggs initially = $100x = 100/4 = 25$

Question 70 :

What is the third proportional to 18, 12?

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

1. 7

2. 8

3. $6\sqrt{6}$

4. 9

Solution :

The correct answer is **option 2** i.e. **8**

Concept used:

If $a : b :: c : d$ then $(a \times d) = (b \times c)$

Calculations:

Let the third proportional be x

According to the question;

The proportion = $18 : 12 :: 12 : x$

$$18 \times x = 12 \times 12$$

$$x = 144/18$$

$$x = 8$$

Question 71 :

Amarnath invested a sum of ₹ 22500. At what rate of simple interest per annum will he obtain a total amount of ₹ 28800 at the end of 4 years?

Difficulty : Moderate**Average Time : 50 Seconds****Options :**

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

Solution :

The correct answer is **option 1** i.e. **7%**

Given:

Amarnath invested a sum of ₹ 22500

After 4 years he obtained a total amount of ₹ 28800

Formula used:

$$\text{Simple interest} = \frac{PRT}{100} \quad \text{----- (1)}$$

Where, P = principle. R = rate and T = time

Calculations:

$$\text{Simple interest for 4 years} = 28800 - 22500 = 6300$$

Using equation (1), we get

$$6300 = \frac{(22500 \times 4 \times R)}{100}$$

$$6300 = 225 \times 4 \times R$$

$$R = \frac{6300}{900} = 7\%$$

Question 72 :



152 is divided into three parts such that one-fifth of the first part, one-third of the second part and one-eleventh of the third part are equal. What is the sum of the second and the third part?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 112
2. 128
3. 120
4. 64

Solution :

The correct answer is **option 1** i.e. **112**

Given:

152 is divided into three parts such that one-fifth of the first part, one-third of the second part and one-eleventh of the third part are equal

Calculations:

Let the three parts be x , y and z

According to the question;

$$x/5 = y/3 = z/11 = k$$

$$x = 5k, y = 3k \text{ and } z = 11k$$

$$5k + 3k + 11k = 152$$

$$19k = 152$$

$$k = 8$$

Required sum of the second and third part = $3k + 11k$

$$14k = 14 \times 8 = 112$$

Question 73 :

The average of 48 numbers is 48. It was found later that observation 48 was wrongly taken as 84 at two places. What is the correct average?

Difficulty : Moderate

Average Time : 60 Seconds

**Options :**

1. 47.25
2. 46.5
3. 84
4. 49.5

Solution :

The correct answer is **option 2** i.e. **46.5**

Given:

The average of 48 numbers is 48.

It was found later that observation 48 was wrongly taken as 84 at two places

Formula used:

Average = Sum of observations/number of observations ---- (1)

Calculations:

Sum of 48 numbers = $48 \times 48 = 2304$

Sum when found that observation 48 was wrongly taken as 84 at two places

$$= 2304 - (84 \times 2) + (48 \times 2)$$

$$= 2304 - 168 + 96$$

$$= 2232$$

$$\text{Required average} = 2232/48 = 46.5$$

Question 74 :

The marked price of an item is Rs. 15,800. If a shopkeeper earns a profit of 18% after allowing a discount of 20%, then the cost price (in Rs.) of the item (nearest to Rs.1) is:

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 12640
2. 15415



13756

4. 10712

Solution :

The correct answer is **option 4** i.e. **10712**

Given:

Marked price = 15800

Profit % = 18%

Discount % = 20%

Formula used:

Selling price = Marked price - Marked price \times Discount% ---- (1)

Selling price = Cost price + Cost price \times profit% ---- (2)

Calculations:

Using equation (1), when discount is 20%

Selling price = $15800 - 15800 \times 20\% = 12640$

Using equation (2), when profit is 18%

$12640 = \text{Cost price} + \text{Cost price} \times 18\%$

Cost price = $(12640/118) \times 100 = 10711.86 \approx 10712$

Question 75 :

The Incomes of A and B are in the ratio 5 : 7. The expenditure of A is equal to the savings of B. The expenditure of A and B is Rs. 15750, then their total savings (in Rs.) is:

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 11250
2. 11180
3. 11200
4. 11280

Solution :

The correct answer is **option 1** i.e. **11250**

Given:

The Incomes of A and B are in the ratio 5 : 7.

The expenditure of A is equal to the savings of B.

The expenditure of A and B is Rs. 15750

Formula used:

$$\text{Income} = \text{Expenditure} + \text{Savings} \quad \text{---- (1)}$$

Calculations:

Let the income of A and B be $5x$ and $7x$ and expenditure of A be y

$$\text{Expenditure of B} = (15750 - y)$$

$$\text{Savings of B} = y$$

$$\text{Saving of A} = 5x - y$$

$$\text{Total savings of A and B} = 5x - y + y = 5x$$

According to the question;

$$7x - (15750 - y) = y$$

$$7x - 15750 + y = y$$

$$7x = 15750$$

$$x = 2250$$

$$\text{Total savings of A and B} = 5x = 5 \times 2250 = 11250$$

Comprehension :

Let the income of A and B be $5x$ and $7x$ and expenditure of A be y
 Expenditure of B = $(15750 - y)$
 Savings of B = y
 Saving of A = $5x - y$
 Total savings of A and B = $5x - y + y = 5x$
 According to the question;
 $7x - (15750 - y) = y$
 $7x - 15750 + y = y$
 $7x = 15750$
 $x = 2250$
 Total savings of A and B = $5x = 5 \times 2250 = 11250$

2019-2020 (4) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5)

Question 76 :

2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5)

Difficulty : Moderate

Average Time : 81 Seconds

Options :

- 1. 2019-2020 (5)
- 2. 2019-2020 (5)
- 3. 2019-2020 (5)
- 4. 2019-2020 (5)

Solution :

2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5)

2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5)

Comprehension :

2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5)

Question 77 :

2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5) 2019-2020 (5)

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. $\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{4}$
2. $\frac{1}{2} + \frac{1}{3} \times \frac{1}{4} = \frac{1}{2}$
3. $\frac{1}{2} + \frac{1}{3} \times \frac{1}{4} = \frac{1}{3}$
4. $\frac{1}{2} + \frac{1}{3} \times \frac{1}{4} = \frac{1}{4}$

Solution :

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$ (4) $\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

Comprehension :

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

Question 78 :

$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$ (3) $\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{2} - \frac{1}{12} = \frac{6}{12} - \frac{1}{12} = \frac{5}{12}$

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. $\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{4}$
2. $\frac{1}{2} + \frac{1}{3} \times \frac{1}{4} = \frac{1}{2}$
3. $\frac{1}{2} - \frac{1}{3} \times \frac{1}{4} = \frac{1}{3}$

ଅମ୍ଳାୟତ୍ତାମୂଳକ

3. ଅମ୍ଳାୟତ୍ତାମୂଳକ

4. ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ

Solution :

ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ 2 ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ

ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ

Question 82 :

ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ

Difficulty : Moderate

Average Time : 29 Seconds

Options :

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

Solution :

ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ

ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ

Question 83 :

ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ

Difficulty : Moderate

Average Time : 30 Seconds

Options :

- 1. ଅମ୍ଳାୟତ୍ତାମୂଳକ
- 2. ଅମ୍ଳାୟତ୍ତାମୂଳକ ଅମ୍ଳାୟତ୍ତାମୂଳକ



ଅତୀତର ସମସ୍ତ ପ୍ରଶ୍ନ

4. ଉତ୍ତର ଦାଖଲ କରନ୍ତୁ

Solution :

ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ

ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ

Question 84 :

ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ

Difficulty : Moderate

Average Time : 29 Seconds

Options :

- 1. ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ
- 2. ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ
- 3. ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ
- 4. ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ

Solution :

ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ

ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ

Question 85 :

ଉତ୍ତର ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା ସମସ୍ତ ସୂତ୍ରକୁ ବ୍ୟବହାର କରି ଉତ୍ତର ନିମ୍ନଲିଖିତ ଭାବରେ ପ୍ରାପ୍ତ ହେବ

Difficulty : Moderate

Average Time : 30 Seconds

Options :

1. $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

2. $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

3. $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

4. $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

Solution :

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

Question 86 :

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

Difficulty : Moderate

Average Time : 29 Seconds

Options :

- $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$
- $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$
- $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$
- $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

Solution :

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

Question 87 :

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4}$
2. $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5}$
3. $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5} \times \frac{5}{6}$
4. $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5} \times \frac{5}{6} \times \frac{6}{7}$

Solution :

$\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} = \frac{1}{2} \times \frac{2 \times 3}{3 \times 4} = \frac{1}{2} \times \frac{2}{4} = \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

अतः सही उत्तर है $\frac{1}{4}$

Question 88 :

एक घड़ी का समय 1:50 है। घड़ी के सुईयों की गति का अनुपात क्या है? (घड़ी के सुईयों की गति का अनुपात घड़ी के सुईयों की गति का अनुपात है।)

Difficulty : Moderate

Average Time : 29 Seconds

Options :

1. $\frac{1}{12} : \frac{1}{60}$
2. $\frac{1}{60} : \frac{1}{12}$
3. $\frac{1}{12} : \frac{1}{60}$
4. $\frac{1}{60} : \frac{1}{12}$

Solution :

$\frac{1}{12} : \frac{1}{60} = \frac{1}{12} \times \frac{60}{1} = 5 : 1$

अतः घड़ी के सुईयों की गति का अनुपात $5 : 1$ है।

Question 89 :

एक घड़ी का समय 1:50 है। घड़ी के सुईयों की गति का अनुपात क्या है? (घड़ी के सुईयों की गति का अनुपात घड़ी के सुईयों की गति का अनुपात है।)

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. $\frac{1}{2} - \frac{1}{3} + \frac{1}{4} = \frac{5}{12}$
2. $\frac{1}{2} + \frac{1}{3} - \frac{1}{4} = \frac{7}{12}$
3. $\frac{1}{2} + \frac{1}{3} + \frac{1}{4} = \frac{13}{12}$
4. $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} = \frac{1}{24}$

Solution :

$\frac{1}{2} - \frac{1}{3} + \frac{1}{4} = \frac{6}{12} - \frac{4}{12} + \frac{3}{12} = \frac{6-4+3}{12} = \frac{5}{12}$

$\frac{1}{2} + \frac{1}{3} - \frac{1}{4} = \frac{6}{12} + \frac{4}{12} - \frac{3}{12} = \frac{6+4-3}{12} = \frac{7}{12}$

$\frac{1}{2} + \frac{1}{3} + \frac{1}{4} = \frac{6}{12} + \frac{4}{12} + \frac{3}{12} = \frac{6+4+3}{12} = \frac{13}{12}$

$\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} = \frac{1 \times 1 \times 1}{2 \times 3 \times 4} = \frac{1}{24}$

Question 90 :

$\frac{1}{2} - \frac{1}{3} + \frac{1}{4} = \frac{6}{12} - \frac{4}{12} + \frac{3}{12} = \frac{6-4+3}{12} = \frac{5}{12}$

$\frac{1}{2} + \frac{1}{3} - \frac{1}{4} = \frac{6}{12} + \frac{4}{12} - \frac{3}{12} = \frac{6+4-3}{12} = \frac{7}{12}$

$\frac{1}{2} + \frac{1}{3} + \frac{1}{4} = \frac{6}{12} + \frac{4}{12} + \frac{3}{12} = \frac{6+4+3}{12} = \frac{13}{12}$

$\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} = \frac{1 \times 1 \times 1}{2 \times 3 \times 4} = \frac{1}{24}$

Difficulty : Moderate

Average Time : 32 Seconds

Options :

1. $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$
2. $\frac{1}{2} - \frac{1}{3} = \frac{1}{6}$
3. $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$
4. $\frac{1}{2} \div \frac{1}{3} = \frac{3}{2}$

Solution :

$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$

$\frac{1}{2} - \frac{1}{3} = \frac{3}{6} - \frac{2}{6} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$

$\frac{1}{2} \div \frac{1}{3} = \frac{1}{2} \times \frac{3}{1} = \frac{3}{2}$

Question 91 :

$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$

$\frac{1}{2} - \frac{1}{3} = \frac{3}{6} - \frac{2}{6} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$

$\frac{1}{2} \div \frac{1}{3} = \frac{1}{2} \times \frac{3}{1} = \frac{3}{2}$

ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ଅଟେ । ଏହା ଯଦି ସତ୍ୟ ହୁଏ ତେବେ ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କେଉଁଟି ଅଟେ ତାହା ଚିହ୍ନଟି କରନ୍ତୁ ।

Difficulty : Moderate

Average Time : 29 Seconds

Options :

- 1. ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ଅଟେ
- 2. ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ନୁହେଁ
- 3. ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ନୁହେଁ
- 4. ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ନୁହେଁ

Solution :

ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ଅଟେ । ଏହା ଯଦି ସତ୍ୟ ହୁଏ ତେବେ ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କେଉଁଟି ଅଟେ ତାହା ଚିହ୍ନଟି କରନ୍ତୁ ।

Question 100 :

ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ଅଟେ । ଏହା ଯଦି ସତ୍ୟ ହୁଏ ତେବେ ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କେଉଁଟି ଅଟେ ତାହା ଚିହ୍ନଟି କରନ୍ତୁ ।

Difficulty : Moderate

Average Time : 28 Seconds

Options :

- 1. ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ଅଟେ
- 2. ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ନୁହେଁ
- 3. ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ନୁହେଁ
- 4. ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ନୁହେଁ

Solution :

ଅନୁକ୍ରମରେ ପଢ଼ାଯିବାର ସମ୍ଭାବନା ଅଧିକ ଅଟେ । ଏହା ଯଦି ସତ୍ୟ ହୁଏ ତେବେ ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କେଉଁଟି ଅଟେ ତାହା ଚିହ୍ନଟି କରନ୍ତୁ ।

अस्य प्रश्नोत्तरों में 100 प्रश्न थे। प्रश्नों में से 85 का उत्तर देना आवश्यक है। प्रश्नों में से 25 प्रश्न क्वांटिटेटिव अप्टीट्यूड, 25 प्रश्न लॉजिकल रीजनिंग, 25 प्रश्न जनरल अवेयरनेस और 25 प्रश्न हिंदी भाषा से थे। 1 प्रश्न छोड़ना चाहिए यदि आप समय कम हो।

Ssc Gd Constable prelims Previous Year Question Paper Analysis

The analysis of Ssc Gd Constable prelims Previous Year Question Paper held on 2021-11-26 in the Afternoon Hindi exam is as follows:

1. 100 questions were moderate.
2. The safe score is 85 marks.
3. 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness and 25 questions were asked from Hindi Language
4. 1 questions should have been skipped if you were short of time.

Ssc Gd Constable prelims Previous Year Question Paper Topic Wise Weightage

Quantitative Aptitude

1. Simplification - 2
2. Average - 2
3. Percentage - 2
4. Time And Work - 2
5. Time Speed And Distance - 2
6. Interest - 3
7. Ratios And Proportion - 3
8. Mensuration - 2
9. Number System - 2
10. Profit And Loss - 5

Logical Reasoning

1. Coding Decoding - 3
2. Analogy - 3
3. Classification - 1
4. Seating Arrangement - 2

- Blood Relations - 1
- 6. Syllogism - 1
- 7. Venn Diagrams - 1
- 8. Dictionary Based - 1
- 9. Figure Based - 4
- 10. Matrix - 1
- 11. Series - 4
- 12. Mathematical Reasoning - 1
- 13. Cubes And Dice - 1
- 14. Seating Arrangement And Puzzle - 1

General Awareness

- 1. Art And Culture - 25

Hindi Language

Ssc Gd Constable prelims Previous Year Question Paper Tips and Tricks



1. Try to solve Ssc Gd Constable prelims Previous Year Question Paper without taking any help from the solutions.
2. Ssc Gd Constable prelims 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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General Knowledge
Quantitative Aptitude
Logical Reasoning
English Language
Today In History
Syllabus
Know Your State
Know Your Country
Know Your City
Know Your Leader
Books And Authors
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Daily Editorial
Latest Notifications
Exam Dates
Admit Card
Exam Results
Exam Cutoff
Exam Eligibility
Exam Pattern
Answer Key
Important Days



Further Guidance on Ssc Gd Constable prelims Previous Year Question Paper

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Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Ssc Gd



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