

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 Evening 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 :

Which of the following lakes of India has NOT been added to the Ramsar Sites?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Chil ka Lake
2. Keetham Lake
3. Loktak Lake
4. Dal Lake

Solution :

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

- Dal is a lake in Srinagar (Dal Lake is a misnomer as Dal in Kashmiri means lake), the summer capital of Jammu and Kashmir.
- Dal Lake is a small mid-altitude lake(1,775 meters above sea level) situated at a distance of 11 kilometers away from Dharamshala near the village of Tota Rani on Macleodganj Naddi road in district Kangra Himachal Pradesh.

Question 2 :

The Buddhist Vihara at Sanchi is also known as 'Great Stupa'. It is one of the most famous Buddhist monuments in India, located at Sanchi town in _____ district.

Difficulty : Moderate

Average Time : 55 Seconds

**Options :**

1. Jabalpur
2. Raisen
3. Purnia
4. Patna

Solution :

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

- The Great Stupa at Sanchi has been the focal point of the Buddhist faith in the region since it was built by Emperor Ashoka in the 3rd century BC.
- The main body of the stupa symbolises the cosmic mountain. It is topped by a 'harmika' to hold the triple umbrella, or 'chhatravali', which represents the three jewels of Buddhism – the Buddha, the Dharma, and the Sangha.
- The stupa ("stupa" is Sanskrit for heap) is an important form of Buddhist architecture, though it predates Buddhism.

Question 3 :

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 : 61 Seconds****Options :**

1. HQY
2. HQZ
3. BKT
4. DMV

Solution :

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

The logic used here is:

1st letter + 9 = 2nd letter

2nd letter + 9 = 3rd letter

Option 1: HQY

H + 9 = Q

Q + 9 = Z

This does not follow the logic.

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

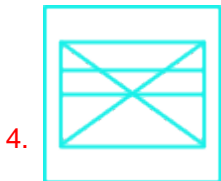
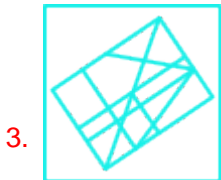
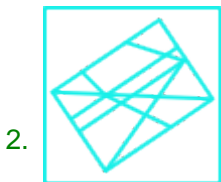
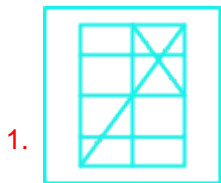
Question 4 :

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

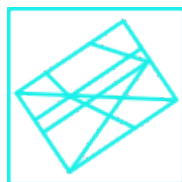
Difficulty : Moderate

Average Time : 46 Seconds

Options :



Solution :



The correct answer is **option 2**.

The given figure is embedded in option 2, as shown below:

**Question 5 :**

If 'A' denotes 'addition', 'B' denotes 'multiplication', 'C' denotes 'subtraction', and 'D' denotes 'division', then what will be the value of the following expression? $90 D (2 B 5) A 4 B (12 A 10) C 4 B (17 C 10)$

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 67

2. 61

3. 65

4. 69

Solution :

The correct answer is **option 4** i.e. **69**.

Given conditions:

'A' means '+'

'B' means 'x'

'C' means '-'

'D' means '÷'

After interchanging the expression becomes:

$$= 90 \div (2 \times 5) + 4 \times (12 + 10) - 4 \times (17 - 10)$$

$$= 90 \div 10 + 4 \times 22 - 4 \times 7$$

$$= 9 + 4 \times 22 - 4 \times 7$$

$$= 9 + 88 - 28$$

$$= 69$$

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

**Question 6 :**

Five friends, A, B, C, D, and E, are sitting in a straight line. A and B are adjacent to each other. B is between A and C. A is 3rd to the left of D. D is 2nd from the right. Who is sitting 3rd from the left?

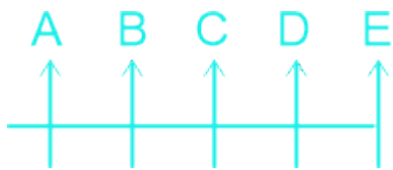
Difficulty : Moderate**Average Time : 62 Seconds****Options :**

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

Solution :

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

According to the question, the arrangement is as follows:



From the above arrangement, C is sitting 3rd from the left.

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

Question 7 :

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: 1. No girl is a musician. 2. No musician is a teacher. 3. All stars are musicians. Conclusions: I. No star is a girl. II. No star is a teacher.

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

1. Both conclusions follow
2. Only conclusion II follows
3. Only conclusion I follows

None of the conclusions follow

Solution :

The correct answer is **option 1** i.e. **Both conclusions follow.**

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

**Conclusions:**

I. No star is a girl **True** (As all stars are musicians, and no girl is a musician, so no star is a girl is true.)

II. No star is a teacher **True** (As no girl is a musician, and no musician is a teacher, so no star is a teacher is true.)

Hence, **Both conclusions follow.**

Question 8 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. Z

__ _ U M _ A F _ M _ A __ _ M

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. FDPZMUF
2. AFZUFU
3. DZFUMZA
4. UADZMFZ

Solution :

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

The sequence is – AFZUFU

Given sequence: Z __ _ U M _ A F _ M _ A __ _ M

Option 1: FDPZMUF

Z F D U M P A F Z M M A U F M

Option 1 does not form a particular pattern.

Option 2: AFZUFU

Z A F U M Z A F U M Z A F U M

Option 2 forms a particular pattern.

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

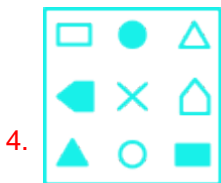
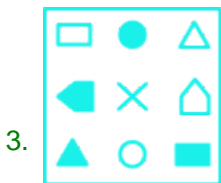
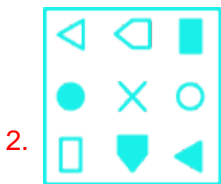
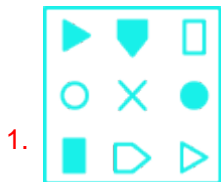
Question 9 :

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

Difficulty : Moderate

Average Time : 64 Seconds

Options :

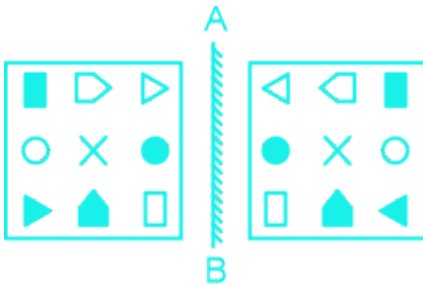


Solution :

The correct answer is **option 3**



The mirror image of the question figure is shown below:



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

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

Question 10 :

Curd and vinegar taste sour because they contain _____.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. chemicals
2. acids
3. protiens
4. yeast

Solution :

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

- Vinegar tastes sour because it is a dilute solution of acetic acid in water.
- Lemon juice tastes sour because it contains citric acid.
- Acids change the color of certain vegetable dyes, such as litmus, from blue to red.
- Acids lose their acidity when they are combined with alkalies.

Question 11 :

Who among the following is credited with being the 'Pioneer of Rocket Technology' in India?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Lord Cornwallis
2. Babar
3. Akbar II
4. Tipu Sultan

Solution :

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

- Tipu Sultan and his father, Hyder Ali designed rockets that used iron cylinder casings, which allowed greater pressure, thrust and range. Hence, weighing between 2.2 to 5.5 kgs, these iron cased metal cylinder rockets could travel up to a range of 1.5 to 2 km.
- These rockets were launched by Tipu Sultan's army from a launch platform, now known as Rocket Dibba, in Srirangapattinam (Srirangapatna) near Mysore.

Question 12 :

Which of the following is the largest west flowing river in Peninsular India?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Krishna
2. Kaveri
3. Narmada
4. Godavari

Solution :

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

- Narmada is the largest west flowing river of the peninsular India.
- Narmada flows westwards through a rift valley between the Vindhyan Range on the north and the Satpura Range on the south.
- It rises from Maikala range near Amarkantak in Madhya Pradesh, at an elevation of about 1057 m.

Question 13 :



Who inaugurated 'Destination North East 2020', to showcase the region's culture, tourism and heritage?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Union Minister for Tourism and Culture, Prahlad Singh Patel
2. Union Minister for Tourism, Dr Jitendra Singh
3. The Prime Minister, Narendra Modi
4. Union Home Minister, Amit Shah

Solution :

The correct answer is **option 4** i.e. **Union Home Minister, Amit Shah**.

- Coinciding with World Tourism Day, Union home minister Amit Shah inaugurated Destination North East 2020, a four-day festival to promote and showcase the region's tourism, culture, heritage and business.
- The inauguration took place through video conferencing and was attended by Union minister for development of north east region (DONER) Jitendra Singh and the chief ministers of Assam, Arunachal Pradesh, Manipur, Meghalaya, Tripura, Nagaland and Sikkim.

Question 14 :

Chhath Puja, the famous traditional festival of India is dedicated to which of the following Gods?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Moon
2. Lord Brahma
3. Sun
4. Lord Shiva

Solution :

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

- Chhath Puja is the most prominent festival which is celebrated in the North Indian state of Bihar and certain regions of Uttar Pradesh and Nepal.
- Chhath is a famous festival which starts on the 6th day of the Hindu calendar month "Kartika".
- This festival is dedicated to the worship of the Sun god and his wife Usha.
- This festival is celebrated to thank god for supporting life on earth and to seek the blessing of divine Sun god and



his wife

Question 15 :

Who among the following won the Nitto Men's ATP Tour Finals in 2020?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Dominic Thiem
2. Novak Djokovic
3. Daniil Medvedev
4. Andrey Rublev

Solution :

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

- Daniil Medvedev won the biggest title of his career, battling past US Open champion Dominic Thiem 4-6, 7-6(2), 6-4 after two hours and 43 minutes to win the Nitto ATP finals.
- Medvedev, also beat five-time champion Novak Djokovic and World No. 2 Rafael Nadal earlier.
- He is the first player to sweep the top three players in the FedEx ATP Rankings at the season finale.

Question 16 :

Which Amendment enabled 27% reservation for OBC in government and private educational institutes in 2006?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 93rd
2. 77th
3. 86th
4. 92nd

Solution :

The correct answer is **option 1** i.e. **93rd**.

- The Supreme Court (SC) upheld the 27% quota for Other Backward Castes (OBCs) in centrally-funded educational institutions, but ruled that the scheme can be rolled out only after excluding the creamy layer.
- The University Grants Commission (UGC) has circulated the Central Educational Institutions (Reservation in



Admission) Act, 2006 and Amendment Act, 2012 to all Central Educational Institutions directing them to implement reservation provisions for Other Backward Classes (OBCs) including admission of OBC students to these Institutions.

- UGC has issued instruction to all the grant-in-aid institutions funded by the Central Government, except minority Institutions under Article 30(1) of the Constitution of India to implement 27% reservation for OBCs.

Question 17 :

Which of the following books was written by Banabhatta?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Ashtadhyayi
2. Akbarnama
3. Harshacharita
4. Malavikagnimitram

Solution :

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

- Bana has written novels like Harsha Charita, Kadambari, Chandikasataka and Parvatiparinaya.
- He also wrote one of the most famous and earliest novels, known as Kadambari. It is a biographical work of Harsha and Kadambari.
- his poetic genius wrote one of the most famous and earliest novels, known as Kadambari. It is a biographical work of Harsha and Kadambari.

Question 18 :

Which of the following countries performed its first robotic docking in lunar orbit?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Russia
2. China
3. India
4. Japan

Solution :

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

- A Chinese probe carrying samples from the lunar surface successfully docked 6 December 2020 **with a spacecraft orbiting the moon**, in another space first for the nation.
- The manoeuvre was part of the ambitious Chang'e-5 mission -- named after a mythical Chinese Moon goddess -- to bring back the first lunar samples in four decades.
- The cargo capsule carrying lunar rocks and soil lifted off from the surface on 3 December 2020, and docked with the orbiter on 6 December 2020 morning, as per the China National Space Administration (CNSA).

Question 19 :

If $P = a^3 \times b^5 \times c^{11}$, $Q = a^8 \times b^9 \times c^5$, $R = a^{15} \times c^{23}$, then what is the HCF of P, Q and R?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. $a^3 \times c^5$
2. $a^{15} \times b^9 \times c^{23}$
3. $a \times c$
4. $a^{26} \times b^{14} \times c^{39}$

Solution :

The correct answer is **option 1** i.e. $a^3 \times c^5$.

Concept used:

HCF of the numbers

Calculations:

According to the question;

$$\text{Factors of } P = a^3 \times b^5 \times c^{11}$$

$$\text{Factors of } Q = a^8 \times b^9 \times c^5$$

$$\text{Factors of } R = a^{15} \times c^{23}$$

$$\text{HCF of } P, Q \text{ and } R = a^3 \times c^5$$

Question 20 :

Rohit and Manoj together have ₹ 1,320. If $\frac{10}{21}$ of Rohit's amount equals to $\frac{5}{7}$ of Manoj's amount, how much amount does Rohit have?



Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. ₹ 320
2. ₹ 328
3. ₹ 792
4. ₹ 980

Solution :

The correct answer is **option 3** i.e. ₹ 792.

Given:

Rohit and Manoj together have ₹ 1,320.

If $\frac{10}{21}$ of Rohit's amount equals to $\frac{5}{7}$ of Manoj's amount

Calculations:

Let the amount with rohit and manoj be R and M.

According to the question,

$$\left(\frac{10}{21}\right) \times R = \left(\frac{5}{7}\right) \times M$$

$$R/M = 3/2$$

$$\text{Total amount} = 3x + 2x = 5x$$

$$5x = 1320$$

$$x = 264$$

$$\text{Amount with rohit} = 264 \times 3 = 792$$

Question 21 :

By selling an article for ₹ 340, a trader loses 20%. To gain 15%, he must sell it for:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. ₹ 488.75
2. ₹ 475.50



â,1 455.75

4. â,1 517.50

Solution :

The correct answer is **option 1** i.e. â,1488.75.

Given:

Selling price = â,1 340

Profit = 15% and Loss = 20%

Calculations:

According to the question,

Final selling price = (Initial selling price/(100 - loss)) × (100 + profit)

(340/80) × 115

488.75

Question 22 :

Some articles are sold in such a way that the cost price of 60% of articles is equal to the selling price of 40% of the articles. The profit percentage is:

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 35

2. 40

3. 45

4. 50

Solution :

The correct answer is **option 4** i.e. 50.

Given:

Some articles are sold in such a way that the cost price of 60% of articles = Selling price of 40% of the articles

Formula used:



Profit = Selling price - Cost price

Profit% = (Profit/Cost price) × 100

Calculations:

According to the question,

60% of cost price = 40% of selling price

Cost price/selling price = 3/2

Using equation (1), we get

Profit% = $[(3x - 2x)/2x] \times 100$

50%

Question 23 :

Select the number from among the given options that can replace the question mark (?) in the following series. 21, 32, 54, ?, 131

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 72

2. 95

3. 66

4. 87

Solution :

The correct answer is **option 4** i.e. **87**.

Given series: 21, 32, 54, ?, 131

The logic used here is:

21, 32, 54, ?, 131

21 + 11 = 32

32 + 22 = 54

54 + 33 = 87



$$87 + 44 = 131$$

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

Question 24 :

Select the dice that can be formed by folding the given sheet along the lines.

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Only A and C
2. Only A,C and D
3. Only A
4. Only A and D

Solution :

The correct answer is **option 4** i.e. **Only A and D**.

When the sheet is folded along the line, the opposite pairs are:

4 is opposite to 6.

2 is opposite to 1.

5 is opposite to 3.

In Figures A, B, and D, the opposite pairs are not adjacent to each other. So, all three cubes can be formed.

In figure C, even though the opposite pairs are adjacent. So, figure C can not be formed.

Question 25 :

In a certain code language, 'INSPIRE' is written as 'JPTTJZF'. How will 'FORGIVE' be written in that language?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. GQTKJEF
2. GQRKIDF
3. GQSKJDF
4. GQSLIDF

**Solution :**

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

The logic used here is:

'INSPIRE' is written as 'JPTTJZF'

$$I + 1 = J$$

$$N + 2 = P$$

$$S + 1 = T$$

$$P + 4 = T$$

$$I + 1 = J$$

$$R + 8 = Z$$

$$E + 1 = F$$

Similarly,

Code for the word FORGIVE:

$$F + 1 = G$$

$$O + 2 = Q$$

$$R + 1 = S$$

$$G + 4 = K$$

$$I + 1 = J$$

$$V + 8 = D$$

$$E + 1 = F$$

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

Question 26 :

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?

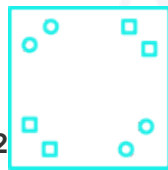
Difficulty : Moderate

Average Time : 61 Seconds

Options :

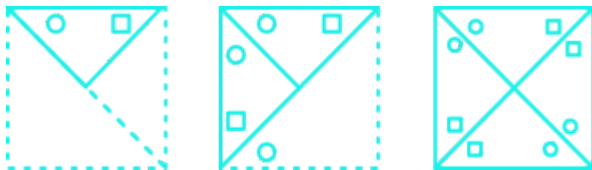
- 1.
- 2.
- 3.
- 4.

Solution :



The correct answer is **option 2**.

After unfolding, the paper will appear as follows:



Question 27 :

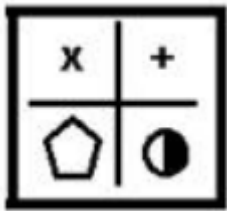
Select the figure from among the given options that can replace the question mark(?) in the following series.

Difficulty : Moderate

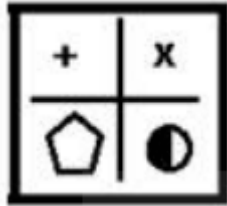
Average Time : 62 Seconds

Options :

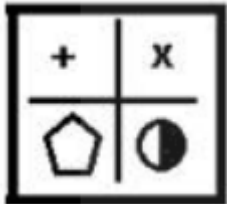
1.



2.



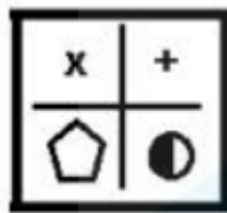
3.



4.



Solution :



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

Figure 1 to 2:

Cross remains in the same place.

Diamond moves down and the other half part becomes shaded.

Star moves to the bottom left corner.



Plus moves to the top right corner.

Figure 3 to 4:

Cross remains in the same place.

Circle moves down and the other half part becomes shaded.

Pentagon moves to the bottom left corner.

Plus moves to the top right corner.

Question 28 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Speed: Speedometer:: Air pressure:?

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. Variometer
2. Altimeter
3. Hypsometer
4. Barometer

Solution :

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

The logic used here is:

Speed: Speedometer

A speedometer is a gauge that measures and displays the instantaneous speed of a vehicle.

Similarly,

Air pressure:?

A barometer is an instrument that is used to measure air pressure in a certain environment.

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

Question 29 :

Six friends, P, Q, R, S, T, and U are sitting in two rows, three in each. S is not at the end of any row. T is a neighbour of R. R and U are sitting diagonally opposite to each other. P is second to the left of U. Who among the following three friends

are in the same row?

Difficulty : Moderate

Average Time : 61 Seconds

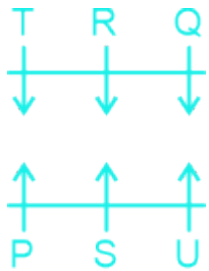
Options :

1. TQU and PRS
2. PSU and RTQ
3. STU and PRQ
4. PTQ and RSU

Solution :

The correct answer is **option 2** i.e. **PSU and RTQ**.

According to the question, the arrangement is as follows:



From the above arrangement, PSU and RTQ are three friends in the same row.

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

Question 30 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series.
KMQW, HJNT, CEIO, ?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. FINT
2. ACGM
3. OQSY
4. IMST

Solution :

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

Given series: KMQW, HJNT, CEIO,?

The logic used here is:

$$K - 3 = H$$

$$M - 3 = J$$

$$Q - 3 = N$$

$$W - 3 = T$$

$$H - 5 = C$$

$$J - 5 = E$$

$$N - 5 = I$$

$$T - 5 = O$$

$$C - 2 = A$$

$$E - 2 = C$$

$$I - 2 = G$$

$$O - 2 = M$$

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

Question 31 :

Arunima told Sahil, "Your brother-in-law's only sister's son is my grandson." How is Sahil related to Arunima?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

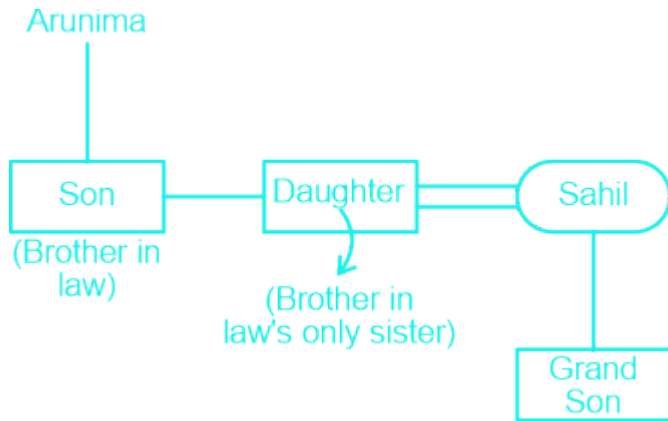
1. Son-in-law
2. Uncle
3. Son
4. Father-in-law

Solution :

The correct answer is **option 1** i.e. **Son-in-law**.

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, Sahil is the son-in-law of Arunima.

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

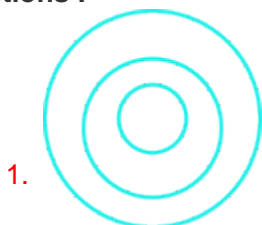
Question 32 :

Select the Venn diagram that best represents the relationship between the following classes. Grain, Beetroot, Kiwi

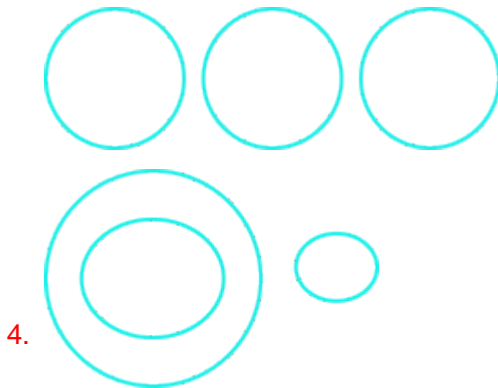
Difficulty : Moderate

Average Time : 52 Seconds

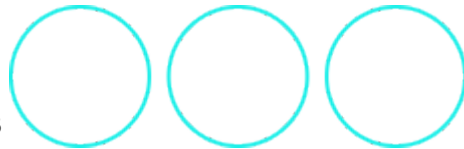
Options :



3.



Solution :



The correct answer is **option 3**.

The possible Venn diagram is:



Grain, beetroot, and kiwi all three are different classes.

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

Question 33 :

In a certain code language, 'RAT' is coded as '39', and 'BEAR' is coded as '26'. How will 'SNAKE' be coded in that language?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

- 1. 50
- 2. 54
- 3. 52
- 4. 48

Solution :



The correct answer is **option 1** i.e. **50**.

The logic used here is:

'RAT' is coded as '39'

$$\text{RAT} = 18 + 1 + 20 = 39$$

'BEAR' is coded as '26'

$$\text{BEAR} = 2 + 5 + 1 + 18 = 26$$

Similarly,

Code for the word SNAKE:

$$\text{SNAKE} = 19 + 14 + 1 + 11 + 5 = 50$$

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

Question 34 :

Select the option in which the numbers are related in the same way as the numbers in the given set. (7, 308, 11)

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. (16, 239, 6)
2. (12, 324, 9)
3. (9, 160, 8)
4. (8, 164, 5)

Solution :

The correct answer is **option 2** i.e. **(12, 324, 9)**.

The logic used here is:

(7, 308, 11)

$$(7 \times 11) \times |11 - 7| = 77 \times 4 = 308$$

Similarly,

(12, 324, 9)

$$(12 \times 9) \times |12 - 9| = 108 \times 3 = 324$$



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

Question 35 :

Select the option that is related to the third number in the same way as the second number is related to the first number. 8: 104:: 16:?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 300
2. 335
3. 336
4. 320

Solution :

The correct answer is **option 3** i.e. **336**.

The logic used here is:

8: 104

$$8 \times (8 + 5) = 8 \times 13 = 104$$

Similarly,

16:?

$$16 \times (16 + 5) = 16 \times 21 = 336$$

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

Question 36 :

Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster. HKN: KOS:: MPS:?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. TPX
2. PTW
3. TPW



PTX

Solution :

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

The logic used here is:

HKN: KOS

$H + 3 = K$

$K + 4 = O$

$N + 5 = S$

Similarly,

MPS:?

$M + 3 = P$

$P + 4 = T$

$S + 5 = X$

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

Question 37 :

In a certain code language, 'HORNS' is written as 'SRONH' and 'CRUDE' is written as 'UREDC'. How will 'FACTOR' be written in that language?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. TSOCAE

2. TROFCA

3. ACFOTR

4. TROACF

Solution :

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

The logic used here is:



The code is arranged in the decreasing order of the English alphabetical series.

'HORNS' is written as 'SRONH'

HORNS = SRONH

'CRUDE' is written as 'UREDC'

CRUDE = UREDC

Similarly,

Code for the word FACTOR:

FACTOR = TROFCA

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

Question 38 :

In an organization consisting of 214 employees, 120 have participated in Clay modeling and 130 have participated in Poster Making, 36 employees have participated in both Clay modeling and Poster Making. If each employee has participated in at least one of the two activities, how many employees participated in Poster Making only?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 80

2. 90

3. 84

4. 94

Solution :

The correct answer is **option 4** i.e. **94**.

Total number of employees = 214

Number of employees who participated in clay modeling = 120

Number of employees who participated in poster making = 130

Number of employees who participated both in clay modeling and poster making = 36

Number of employees who participated only in clay modeling = $120 - 36 = 84$

Number of employees who participated only in poster making = $130 - 36 = 94$

**Question 39 :**

Select the number from among the given options that can replace the question mark (?) in the following series. 31, 37, 41, 43, ?

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

1. 51

2. 47

3. 45

4. 49

Solution :

The correct answer is **option 2** i.e. **47**.

Given series: 31, 37, 41, 43, ?

The logic used here is:

Prime numbers series:

31, 37, 41, 43, 47

So, the next term in the series is **47**.

Question 40 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Program 2. Problem 3. Proposal 4. Profound 5. Property

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

1. 2, 1, 4, 5, 3

2. 2, 4, 1, 5, 3

3. 4, 2, 1, 3, 5

4. 3, 2, 4, 5, 1

Solution :

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

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

1. Problem
2. Profound
3. Program
4. Property
5. Proposal

Question 41 :

In which state was the Forest Martyrs' Memorial inaugurated in November 2020?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Karnataka
2. Tamil Nadu
3. Maharashtra
4. Andhra Pradesh

Solution :

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

- Forest Martyrs' Memorials was built at all the forest circles across Andhra Pradesh State by next Forest Martyrs Day to be observed on September 11.
- A grand tribute was paid to the forest martyrs at the forest department headquarters in Guntur on the occasion of National Forest Martyrs Memorial Day.

Question 42 :

Who among the following Indian actors has been appointed as the state icon of Punjab by the Election Commission of India?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Amitabh Bachchan
2. Sonu Sood



Salman Khan

4. Akshay Kumar

Solution :

The correct answer is **option 2** i.e. **Sonu Sood**.

- Actor Sonu Sood was appointed the State Icon of Punjab by the Election Commission in November, 2020.
- Punjab Chief Electoral Officer (CEO) S Karuna Raju sent a proposal to the ECI regarding Sonu Sood's appointment and they approved the same.
- Sonu Sood's appointment as State Icon of Punjab by the Election Commission came after his relentless work through the lockdown in helping migrant workers across the country get home safely.

Question 43 :

Which of the following states has the highest life expectancy at birth?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Kerala
2. Goa
3. Haryana
4. Tamil Nadu

Solution :

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

- Kerala has got the highest life expectancy at birth of 72.5 years and 77.8 years for males and females respectively.
- Kerala is ageing faster than the rest of India with regard to demographic transition in the Economic Review 2019.

Question 44 :

When was the All India Tennis Association (AITA) established in India?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 1912
2. 1934
3. 1956

1920

Solution :

The correct answer is **option 4** i.e. **1920**.

- The All India Tennis Association (AITA) is the governing body of tennis in India.
- It was established in 1920 and affiliated by International Tennis Federation and Asian Tennis Federation.
- India Tennis Association operates all of the Indian national representative tennis sides, including the India Davis Cup team, the India Billie Jean King Cup team and youth sides as well.
- AITA is also responsible for organising and hosting tennis tournaments within India and scheduling the home international fixtures.

Question 45 :

Who is the author of the book 'Lessons Life Taught Me, Unknowingly'?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Shilpa Shetty
2. Anupam Kher
3. Twinkle Khanna
4. Javed Akhtar

Solution :

The correct answer is **option 2** i.e. **Anupam Kher**.

- The autobiography titled "Lessons Life Taught Me, Unknowingly" has been authored by Bollywood actor Anupam Kher i.e. set to hit stands on 5 August.
- It is a story of a small town boy who dared to dream. It is a story about hope, disappointments, success, failures and eternal optimism.
- The book will be an extraordinary, riveting and no-holds-barred saga in which Kher will make some behind-the-scenes revelations, and share anecdotes and rare nuggets from his life and the lessons it taught him.

Question 46 :

GDP can be expressed in two different ways, nominal GDP and _____.

Difficulty : Moderate

Average Time : 56 Seconds

**Options :**

1. domestic GDP
2. real GDP
3. symbolic GDP
4. calculated GDP

Solution :

The correct answer is **option 2** i.e. **real GDP**.

- Nominal Gross Domestic Product (GDP) and Real GDP both quantify the total value of all goods produced in a country in a year.
- The real GDP (and real GDP per capita) shows a more accurate picture of a country's economic performance.
- Real GDP is almost always slightly lower than its equivalent nominal figure.

Question 47 :

_____, built by the Mughal Emperor Shah Jahan in the 17th century, was the main residence of the Mughal Emperors for nearly 200 years.

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

1. Tughlaqabad Fort, Delhi
2. Siri Fort, Delhi
3. Red Fort, Delhi
4. Salimgarh Fort, Delhi

Solution :

The correct answer is **option 3** i.e. **Red Fort, Delhi**.

- The Red Fort is a historical fortification in the old Delhi area. Shah Jahan constructed it in the year 1639 as a result of a capital shift from Agra to Delhi.
- Formerly known as Quila-e-Mubarak or the Blessed Fort, the Red Fort lies along the banks of the river Yamuna, whose waters fed the moats surrounding the fort.
- It was a part of the medieval city of Shahjahanabad, popularly known today as 'Old Delhi'. The entire fort complex is said to represent the architectural creativity and brilliance of Mughal architecture.
- It became a UNESCO world heritage site in 2007.

Question 48 :



Queen Victoria's Proclamation declared that thereafter India would be governed by and in the name of the British Monarch through a Secretary of State on:

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 27 October, 1858
2. 1 November, 1858
3. 12 August, 1858
4. 16 September, 1860

Solution :

The correct answer is **option 2** i.e. **1 November, 1858**.

- Queen Victoria's Proclamation declared that thereafter India would be governed by and in the name of the British Monarch through a Secretary of State on 1 November, 1858.
- In 1877, Benjamin Disraeli, Conservative Prime Minister, had Queen Victoria proclaimed as Empress of India.
- India was already under crown control after 1858, but this title was a gesture to link the monarchy with the empire further and bind India more closely to Britain.

Question 49 :

Kabini is an important tributary of the river:

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Cauvery
2. Krishna
3. Mahi
4. Godavari

Solution :

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

- Kabini is well-known for its wildlife sanctuary and adventure activities.
- The amazing flora and fauna, wildlife safari tours, boat rides, nature walks and campfires, make it a perfect vacation spot.
- The Kabini Forest Reserve (which comprises the south-eastern part of Nagarhole National Park) is famous for its



amazing wildlife and birdlife.

- Kabini is also home to the world's most famous living black panther "Saya".

Question 50 :

In which part of Article 44 of the Constitution of India is the provision for uniform civil code for the citizens contained?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Part III
2. Part VI
3. Part IV
4. Part II

Solution :

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

- The Uniform Civil Code (UCC) calls for the formulation of one law for India, which would be applicable to all religious communities in matters such as marriage, divorce, inheritance, adoption.
- The code comes under Article 44 of the Constitution, which lays down that the state shall endeavour to secure a Uniform Civil Code for the citizens throughout the territory of India.
- The objective of Article 44 of the Directive Principles in the Indian Constitution was to address the discrimination against vulnerable groups and harmonise diverse cultural groups across the country.

Question 51 :

Who was appointed as the first Chairperson of the Reserve Bank Innovation Hub in November 2020?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Senapathy (Kris) Gopalakrishnan
2. TN Manoharan
3. Rajiv Kumar
4. Narayan Murthy

Solution :

The correct answer is **option 1** i.e. **Senapathy (Kris) Gopalakrishnan**.



The Reserve Bank of India (RBI) has appointed Senapathy (Kris) Gopalakrishnan, co-founder and former co-Chairman, Infosys, as the first Chairperson of the Reserve Bank Innovation Hub (RBIH).

- Besides Gopalakrishnan, RBIH's Governing Council will have nine other members including a CEO (to be appointed); Ashok Jhunjhunwala, Institute Professor, IIT, Madras; H. Krishnamurthy, Principal Research Scientist, IISc., Bengaluru; Gopal Srinivasan, CMD, TVS Capital Funds; A.P. Hota, Former CEO, National Payments Corporation of India.

Question 52 :

Which of the following is NOT a cold-blooded animal?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Rabbit
2. Shark
3. Crocodile
4. Frog

Solution :

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

- Animals that cannot generate internal heat are known as poikilotherms (poy-KIL-ah-therms), or cold-blooded animals.
- Insects, worms, fish, amphibians, and reptiles fall into this category—all creatures except mammals and birds.
- Cold-blooded animals can be either terrestrial or aquatic.
- All reptiles, including snakes, lizards, turtles, tortoises, alligators, and crocodiles, some insects such as the busy dragonflies and bees, amphibians such as frogs, toads, and salamanders, as well as fish, including sharks, are all cold-blooded animals.

Question 53 :

The smallest and longest bones in the human body are _____ and _____, respectively.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. stapes, fibula
2. tibia, femur
3. stapes, femur

nails, fibula

Solution :

The correct answer is **option 3** i.e. **stapes, femur**.

- Stapes bone is the smallest bone in our body. It is the innermost bone of our auditory ossicles in the middle ear, which are responsible for transmitting sound waves from the air outside to the fluid-filled labyrinth (cochlea).
- Femur is Latin for thigh, and the bone is commonly referred to as the "thigh bone." The femur acts as the site of origin and attachment of many muscles and ligaments, and can be divided into three parts; proximal, shaft and distal.

Question 54 :

Who among the following cricketers was the winner of 'ICC ODI Cricketer of the Year Award 2020'?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Mahendra Singh Dhoni
2. Virat Kohli
3. Jasprit Bumrah
4. Rohit Sharma

Solution :

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

- India's swashbuckling opener Rohit Sharma was Wednesday named the ICC's '2019 ODI Cricketer of the Year' for his incredible run of form, while English all-rounder Ben Stokes walked away with the overall honours.
- Rohit scored ODI double-hundreds for fun, won six IPLs in the first 15 editions of the tournament, scored five hundreds at the 2019 ODI World Cup, and when he finally got to open in Tests in 2019, three quick hundreds in his first series in the role, one of them a double.

Question 55 :

The average of the first five multiples of 13 is:

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 13
2. 39



65

4. 26

Solution :

The correct answer is **option 2** i.e. **39**.

Formula used:

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

Calculations:

First five multiples of 13 = 13, 26, 39, 52, 65

Sum = 13 + 26 + 39 + 52 + 65 = 195

Using equation (1), we get

Average = 195/5 = 39

Question 56 :

The compound interest compounded annually on a sum of money for 2 years is Rs. 1,128.6 and the simple interest on the same sum for the same period is Rs. 1,080. What is the difference between the compound interest compounded annually and the simple interest for 3 years?

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

1. Rs. 165.174
2. Rs. 170.174
3. Rs. 150.174
4. Rs. 160.174

Solution :

The correct answer is **option 3** i.e. **Rs.150.174**.

Given:

The compound interest compounded annually on a sum of money for 2 years is Rs. 1,128.6 and the simple interest on the same sum for the same period is Rs. 1,080

Formula used:



$$SI = PRT/100$$

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

Where, SI = Simple interest, CI = compound interest

P = Principle, R = rate and T = time

Calculations:

$$SI \text{ of 1 years} = 1080/2 = 540$$

$$\text{Difference between SI and CI for 2 years} = 1128.6 - 1080 = 48.6$$

$$R = (48.6 \times 100)/(540) = 9\%$$

Using equation (1), we get

$$1080 = (P \times 9 \times 2)/100$$

$$P = 6000$$

$$\text{Effective rate for 2 years (compound interest)} = 9 + 9 + .81 = 18.81\%$$

$$\text{Effective rate for 3 years (Compound interest)} = 18.81 + 9 + (18.81 \times 9)/100 = 29.5029\%$$

$$\text{Effective rate for 3 years (Simple interest)} = 27\%$$

$$\text{Difference in rate of interest} = 29.5029\% - 27 = 2.5029\%$$

$$\text{Required difference of interest} = (6000 \times 2.5029 \times 1)/100 = 150.174$$

Question 57 :

Two trains of length 120m and 180m are travelling in opposite directions at the uniform speed of 34 km/h and 32 km/h. The time taken by the two trains to pass each other is:

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. 180/11 sec
2. 17 sec
3. 15.5 sec
4. 16 sec

Solution :



The correct answer is **option 1** i.e. **180/11 sec.**

Calculations:

$$\text{Speed of first train in m/s} = 34 \times \frac{5}{18} = 85/9$$

$$\text{Speed of second train in m/s} = 32 \times \frac{5}{18} = 80/9$$

Relative speed will be the sum of the speed of both the trains = (Speed of first train + Speed of second train)

$$= 85/9 + 80/9 = 165/9 \text{ m/s}$$

$$\text{Required time taken} = \text{Total length/speed} = (120 + 180)/(165/9)$$

$$= 300 \times (9/165) = 180/11 \text{ sec}$$

Question 58 :

A person purchased a machine for Rs. 50,000 and fixed the marked price 20% higher than the cost price and sold it at a discount of 15%. The percentage profit or loss is:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 1% loss
2. 2.5% profit
3. 4% loss
4. 2% profit

Solution :

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

Given:

$$\text{Cost price} = \text{Rs } 50000$$

$$\text{Discount\%} = 15\%$$

Formula used:

$$\text{Selling price} = \text{Marked price} \times (100 - \text{discount})/100 \quad \text{---- (1)}$$

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

$$\text{Profit \%} = (\text{Profit}/\text{Cost price}) \times 100 \quad \text{---- (2)}$$

**Calculations:**

According to the question,

$$\text{Marked price} = 50000 \times 120\% = 60000$$

Using equation (1), we get

$$\text{Selling price} = 60000 \times (100 - 15)/100 = 51000$$

$$\text{Profit} = 51000 - 50000 = 1000$$

Using equation (2), we get

$$\text{Profit \%} = (1000/50000) \times 100 = 2\%$$

Question 59 :

A sum fetched a total simple interest of ₹ 5,427 at the rate of 9% p.a. in 6 years. What is the sum?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. ₹ 54,010
2. ₹ 10,050
3. ₹ 10,002
4. ₹ 54,270

Solution :

The correct answer is **option 2** i.e. ₹ 10,050.

Given:

$$\text{Simple interest} = ₹ 5,427$$

$$\text{Rate} = 9\% \text{ p.a.}$$

$$\text{Time} = 6 \text{ years}$$

Formula used:

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

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

Calculations:

Using equation (1), we get

$$5427 = (P \times 9 \times 6)/100$$

$$P = 10050$$

Question 60 :

A's income is 25% more than that of B. B's income is less than A's income in percentage of:

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 15%
2. 20%
3. 11%
4. 18%

Solution :

The correct answer is **option 2** i.e. **20%**.

Calculations:

Let the income of A be $100x$

According to the question,

$$\text{Income of B} = 125\% \text{ of } 100x = 125x$$

$$\text{Required percentage} = [(125x - 100x)/125x] \times 100$$

$$= (25x/125x) \times 100$$

$$= 20\%$$

Question 61 :

Rs. 13,540 is to be divided between Kamal and Sunita such that Kamal's share at the end of 5 years may be equal to Sunita's share at the end of 7 years. If the rate of interest is 8% per annum compounded annually, then Kamal's share is:

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Rs. 7,280



â,1 7,290

3. â,1 8,240

4. â,1 7,390

Solution :

The correct answer is **option 2** i.e. â,1 7,290.

Given:

â,1 13,540 is to be divided between Kamal and Sunita

Kamal's share at the end of 5 years may be equal to Sunita's share at the end of 7 years.

The rate of interest is 8% per annum

Formula used:

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

Compound interest = Amount - Principle

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

Calculations:

Let the amount with kamal be x

Amount with sunita = (13540 - x)

Using equation (1), we get

Amount of kamal at the end of 5 years = Amount of sunita at the end of 7 years

$$x(1 + 8/100)^5 = (13540 - x)(1 + 8/100)^7$$

$$x/(13540 - x) = (1 + 8/100)^2$$

$$x/(13540 - x) = (27/25)^2$$

$$x/(13540 - x) = 729/625$$

$$625x = 9870660 - 729x$$

$$1354x = 9870660$$

$$x = 7290$$

Question 62 :



The value of $(\frac{1}{2})$ of $(\frac{1}{3}) - (\frac{2}{3})$ of $(\frac{4}{5}) + 4 \div 7 + 3$ of $7 \div 2$ is:

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. 1124/105
2. 1024/105
3. 1104/105
4. 1224/105

Solution :

The correct answer is **option 1** i.e. **1124/105**.

Concept used:

BODMAS rule

Calculations:

$$(\frac{1}{2} \text{ of } \frac{1}{3}) - (\frac{2}{3} \text{ of } \frac{4}{5}) + (\frac{4}{7}) + (3 \text{ of } 7) \div 2$$

$$(\frac{1}{2} \times \frac{1}{3}) - (\frac{2}{3} \times \frac{4}{5}) + (\frac{4}{7}) + (3 \times 7) \div 2$$

$$(\frac{1}{6}) - (\frac{8}{15}) + (\frac{4}{7}) + 21/2$$

$$(\frac{1}{6}) + (\frac{4}{7}) + 21/2 - (\frac{8}{15})$$

$$(\frac{472}{42}) - (\frac{8}{15})$$

$$1124/105$$

Question 63 :

The perimeter of a square is 64 cm. The area of a rectangle is 16 cm² less than the area of the square. If the length of rectangle is 20 cm, what is the perimeter of the rectangle?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 12 cm
2. 15 cm
3. 18 cm



64 cm

Solution :

The correct answer is **option 4** i.e. **64 cm**.

Given:

The perimeter of a square is 64 cm.

The area of a rectangle is 16 cm^2 less than the area of the square.

The length of rectangle is 20 cm

Formula used:

Perimeter of the square = $4a$

Area of square = a^2

Area of rectangle = $l \times b$

Perimeter of rectangle = $2(l + b)$

where, a = side of square, l = length of rectangle and b = breadth

Calculations:

Using equation (1), we get

Perimeter of square = $4a$

$$4a = 64$$

$$a = 16$$

Using equation (2),

Area of square = a^2

$$16^2 = 256$$

According to the question;

Area of rectangle = Area of square - 16

$$\text{Area of rectangle} = 256 - 16 = 240$$

$$20 \times b = 240$$

$$b = 12$$



Perimeter of the rectangle = $2(l + b)$

$$2(20 + 12) = 2(32) = 64 \text{ cm}$$

Question 64 :

The value of $(2 \times 7 \div 14 \text{ of } 4 - 5 \div 4 \times (9 - 11) + 2 - 2 \times 6 \div 8 \text{ of } 3)$ is:

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. $3(1/2)$
2. $4(1/4)$
3. $2(1/2)$
4. $4(3/4)$

Solution :

The correct answer is **option 2** i.e. $4(1/4)$

Concept used:

BODMAS rule

Calculations:

$$(2 \times 7 \div 14 \text{ of } 4 - 5 \div 4 \times (9 - 11) + 2 - 2 \times 6 \div 8 \text{ of } 3)$$

$$(2 \times 7 \div 56 - 5 \div 4 \times (-2) + 2 - 2 \times 6 \div 24)$$

$$(2 \times (1/8) - (5/4) \times (-2) + 2 - 2 \times (1/4))$$

$$((1/4) - (5/4) \times (-2) + 2 - (1/2))$$

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

$$(17/4) = 4(1/4)$$

Question 65 :

What is the greatest number which leaves the same remainder in each case, when divides 265, 580 and 825?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 35



55

3. 25

4. 45

Solution :

The correct answer is **option 1** i.e. **35**.

Concept used:

The greatest number which leaves the same remainder in each case is equal to the HCF of the difference of the numbers

Calculations:

Difference of the numbers = $(580 - 265)$, $(825 - 580)$, $(825 - 265)$

= 315, 245, 560

Using the factorization method, we get

Factors of 315 = $3^2 \times 5 \times 7$

Factors of 245 = 5×7^2

Factors of 560 = $2^4 \times 5 \times 7$

Hence, the HCF of the numbers = Greatest number = $5 \times 7 = 35$

Question 66 :

A driver drives a car at a uniform speed of 60 km/h and reaches the 330 km destination by 30 min late. To reach on time, the % increase in speed will be:

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

1. 15%

2. 10%

3. 12%

4. 20%

Solution :

The correct answer is **option 2** i.e. **10%**.

**Given:**

A driver drives a car at a uniform speed of 60 km/h and reaches the 330 km destination by 30 min late

Formula used:

$$\text{Time} = \text{Distance}/\text{speed} \quad \text{---- (1)}$$

Calculations:

$$\text{Time taken to cover 330 km} = 330/60 = 5 \text{ hour } 30 \text{ mins}$$

$$\text{If he was 30 mins late, required time taken} = 5.5 - 0.5 = 5 \text{ hours}$$

$$\text{Required time} = 330/5 = 66 \text{ km/h}$$

$$\text{Required percentage increase in speed} = [(66 - 60)/60] \times 100 = 10\%$$

Question 67 :

A train moves at a speed of 70 km/h for 5 hours and stops at station 'A'. From station 'A', the train moves to station 'B' at a speed of 66 km/h for 3 hours. What is the total distance covered by the train?

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

1. 520 km
2. 548 km
3. 500 km
4. 480 km

Solution :

The correct answer is **option 2** i.e. **548 km**.

Given:

A train moves at a speed of 70 km/h for 5 hours and stops at station 'A'

From station 'A', the train moves to station 'B' at a speed of 66 km/h for 3 hours

Formula used:

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

Calculations:



According to the question,

$$\text{Total distance} = 70 \times 5 + 66 \times 3$$

$$350 + 198$$

$$548 \text{ km}$$

Question 68 :

Two-third of the loss of A is equal to five-seventh of the profit of B. If the loss of A is Rs 2460, then how much (correct to 2 decimal places) percentage of the profit of B is the loss of A?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 107.27%

2. 107.14%

3. 93.67%

4. 93.33%

Solution :

The correct answer is **option 2** i.e. **107.14%**.

Given:

Two-third of the loss of A is equal to five-seventh of the profit of B

The loss of A is Rs 2460

Calculations:

Let the loss of a be x and profit of b be y.

According to the question,

$$(2/3) \times x = (5/7) \times y$$

$$(2/3) \times 2460 = (5/7) \times y$$

$$y = 2296$$

$$\text{Required percentage} = (2460/2296) \times 100$$

$$= 107.14\%$$

Question 69 :



If $0.45 : x :: 3 : 8$, then x is equal to:

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 1.3
2. 1.2
3. 1.4
4. 2.2

Solution :

The correct answer is **option 2** i.e. **1.2**.

Calculations:

According to the question,

$$0.45/x = 3/8$$

$$(0.45 \times 8)/3 = x$$

$$x = 1.2$$

Question 70 :

There are three numbers such that the first number is 3 times the second number and the second number is half of the third number. Their average is 60. The third number is:

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 120
2. 60
3. 30
4. 90

Solution :

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

Given:



The first number is 3 times the second number and the second number is half of the third number.

Their average is 60

Formula used:

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

Calculations:

Let the third number be $2x$

According to the question,

Second number = x

First number = $3x$

Using equation (1), we get

$$60 = (3x + x + 2x)/3$$

$$6x = 180$$

$$x = 30$$

Third number = $2x = 2 \times 30 = 60$

Question 71 :

A can complete $\frac{3}{8}$ of a certain work in 9 days and B can complete 80% of the same work in 16 days. Both works together for 5 days. C alone completes the remaining work in $6\frac{1}{2}$ days. A and C together will complete the whole work in:

Difficulty : Moderate

Average Time : 65 Seconds

Options :

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

Solution :

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

Concept used:



Total work = Efficiency × days

Calculations:

A can complete $\frac{3}{8}$ of a certain work in 9 days

Total days taken by A = $9 \times \frac{8}{3} = 24$ days

B can complete 80% of the same work in 16 days

Total days taken by B = 20 days

Total work (LCM of 24 and 20) = 120 units

Efficiency of A = $120/24 = 5$ units

Efficiency of B = $120/20 = 6$ units

Both works for 5 days, total work in 5 days = $(5 + 6) \times 5 = 55$ units

Remaining work = $120 - 55 = 65$ units

Efficiency of C = $65/6.5 = 10$ units

Time required to complete the whole work by A and C = $120/15 = 8$ days

Question 72 :

A person purchased a refrigerator for Rs. 18000. After two years, he spent Rs. 2500 on its repair and sold it for Rs. 12300. The percentage loss is:

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 42%
2. 46%
3. 40%
4. 44%

Solution :

The correct answer is **option 3** i.e. **40%**.

Given:

A person purchased a refrigerator for Rs. 18000.



After two years, he spent Rs. 2500 on its repair and sold it for Rs. 12300

Formula used:

$$\text{Loss} = \text{Cost price} - \text{Selling price} \quad \text{----- (1)}$$

$$\text{Loss\%} = (\text{Loss}/\text{Cost price}) \times 100 \quad \text{----- (2)}$$

Calculations:

$$\text{Total cost price} = 18000 + 2500 = 20500$$

$$\text{Selling price} = 12300$$

$$\text{Loss} = 20500 - 12300 = 8200$$

Using equation (2), we get

$$\text{Loss\%} = (8200/20500) \times 100$$

40%

Question 73 :

The pond is 50 m long, 25 m wide and 4 m deep. Find the capacity of the pond (in m³).

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 4000

2. 500

3. 5000

4. 2500

Solution :

The correct answer is **option 3** i.e. **5000**.

Given:

The pond is 50 m long, 25 m wide and 4 m deep

Formula used:

$$\text{Volume of cuboid} = \text{Length} \times \text{breadth} \times \text{Height} \quad \text{----- (1)}$$

Calculations:



Using equation (1), we get

$$\text{Capacity of the pond} = 50 \times 25 \times 4 = 5000 \text{ m}^3$$

Question 74 :

A boy who is 7 feet tall can cast a shadow that is 21 feet long on the ground. How tall (in feet) is a man who can cast a shadow that is 15 feet long?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 6.5
2. 5.5
3. 6
4. 5

Solution :

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

Calculations:

According to the question,

Let the height of the man be x .

$$7/21 = x/15$$

$$x = (7 \times 15)/21$$

$$x = 5$$

Question 75 :

The difference between the selling prices of an article sold at a discount of $14\frac{1}{2}\%$ and $10\frac{1}{2}\%$ is 48. If the marked price is 25% more than the cost price, then the cost price of the article is:

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. ₹ 1860
2. ₹ 1950
3. ₹ 1920



Text describing course features and benefits, including mentions of 'KDC LIVE' and 'FREE PDF'.

Question 78 :

Main question text for Question 78, involving mathematical or logical reasoning.

Difficulty : Moderate

Average Time : 29 Seconds

Options :

- Four multiple-choice options for Question 78.

Solution :

Solution text for Question 78, providing the correct answer and reasoning.

Comprehension :

Comprehension text providing additional context or details related to the question.



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

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

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

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

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

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

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

$\frac{1}{2} \div \frac{1}{3} \div \frac{1}{4} = \frac{1}{2} \times \frac{3}{1} \times \frac{4}{1} = 6$

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

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

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

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

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

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

$\frac{1}{2} \times \frac{1}{3} \div \frac{1}{4} = \frac{1}{6} \times \frac{4}{1} = \frac{2}{3}$

$\frac{1}{2} \div \frac{1}{3} \times \frac{1}{4} = \frac{3}{2} \times \frac{1}{4} = \frac{3}{8}$

$\frac{1}{2} + \frac{1}{3} \div \frac{1}{4} = \frac{1}{2} + \frac{4}{3} = \frac{3}{6} + \frac{8}{6} = \frac{11}{6}$

$\frac{1}{2} - \frac{1}{3} \div \frac{1}{4} = \frac{1}{2} - \frac{4}{3} = \frac{3}{6} - \frac{8}{6} = -\frac{5}{6}$

$\frac{1}{2} \times \frac{1}{3} \div \frac{1}{4} = \frac{1}{6} \times \frac{4}{1} = \frac{2}{3}$

$\frac{1}{2} \div \frac{1}{3} \times \frac{1}{4} = \frac{3}{2} \times \frac{1}{4} = \frac{3}{8}$

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

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

$\frac{1}{2} \times \frac{1}{3} \div \frac{1}{4} = \frac{1}{6} \times \frac{4}{1} = \frac{2}{3}$

$\frac{1}{2} \div \frac{1}{3} \times \frac{1}{4} = \frac{3}{2} \times \frac{1}{4} = \frac{3}{8}$

$\frac{1}{2} + \frac{1}{3} \div \frac{1}{4} = \frac{1}{2} + \frac{4}{3} = \frac{3}{6} + \frac{8}{6} = \frac{11}{6}$

$\frac{1}{2} - \frac{1}{3} \div \frac{1}{4} = \frac{1}{2} - \frac{4}{3} = \frac{3}{6} - \frac{8}{6} = -\frac{5}{6}$

$\frac{1}{2} \times \frac{1}{3} \div \frac{1}{4} = \frac{1}{6} \times \frac{4}{1} = \frac{2}{3}$

$\frac{1}{2} \div \frac{1}{3} \times \frac{1}{4} = \frac{3}{2} \times \frac{1}{4} = \frac{3}{8}$

$\frac{1}{2} + \frac{1}{3} \div \frac{1}{4} = \frac{1}{2} + \frac{4}{3} = \frac{3}{6} + \frac{8}{6} = \frac{11}{6}$

$\frac{1}{2} - \frac{1}{3} \div \frac{1}{4} = \frac{1}{2} - \frac{4}{3} = \frac{3}{6} - \frac{8}{6} = -\frac{5}{6}$

Question 80 :

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

Difficulty : Moderate

Average Time : 31 Seconds

Options :

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

Solution :

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

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

Question 81 :

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



अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
(1) अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
(2) अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
(3) अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
(4) अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।

Difficulty : Moderate

Average Time : 28 Seconds

Options :

- 1. 1.3
- 2. 2.2
- 3. 3.4
- 4. 4.1

Solution :

अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।

अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।

Question 82 :

अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।
अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।

Difficulty : Moderate

Average Time : 27 Seconds

Options :

- 1. अपने दो अंकों में से एक को चुनें।
- 2. अपने दो अंकों में से एक को चुनें।
- 3. अपने दो अंकों में से एक को चुनें।
- 4. अपने दो अंकों में से एक को चुनें।

Solution :

अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।

अपने दो अंकों में से एक को चुनें। यदि आप 100 से अधिक अंक प्राप्त करते हैं, तो आप 100 अंक प्राप्त करेंगे, अन्यथा, आप अपने अंकों के आधार पर अंक प्राप्त करेंगे।

Question 83 :



ଅମ୍ଳାମ୍ଳ ଉପାଦାନର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବା ପାଇଁ ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।
2. ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।
3. ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।
4. ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

Solution :

ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

Question 84 :

ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

Difficulty : Moderate

Average Time : 29 Seconds

Options :

1. ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।
2. ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।
3. ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।
4. ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

Solution :

ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

Question 85 :

ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ। ଉପଯୁକ୍ତ ପଦାର୍ଥର ସଂରଚନାକୁ ନିର୍ଣ୍ଣୟ କରିବାକୁ ସମର୍ଥନ କରନ୍ତୁ।

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. $a^2 - ab$
2. $a - a^2$
3. $a - ab$
4. $a^2 - a$

Solution :

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

$a - a^2 = a(1 - a)$

Question 86 :

$a^2 - ab = a(a - b)$ and $a - a^2 = a(1 - a)$

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. $a^2 - ab$
2. $a - a^2$
3. $a - ab$
4. $a^2 - a$

Solution :

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

$a - a^2 = a(1 - a)$

$a^2 - ab = a(a - b)$ and $a - a^2 = a(1 - a)$

$a - a^2 = a(1 - a)$

Question 87 :

$a^2 - ab = a(a - b)$ and $a - a^2 = a(1 - a)$

$a - a^2 = a(1 - a)$

$a^2 - ab = a(a - b)$ and $a - a^2 = a(1 - a)$

$a - a^2 = a(1 - a)$

$a^2 - ab = a(a - b)$ and $a - a^2 = a(1 - a)$

Question 89 :

$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$

Difficulty : Moderate

Average Time : 30 Seconds

Options :

1. $\frac{3}{8}$
2. $\frac{1}{2}$
3. $\frac{1}{4}$
4. $\frac{3}{4}$

Solution :

$\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$

Question 90 :

$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$

Difficulty : Moderate

Average Time : 29 Seconds

Options :

1. $\frac{3}{8}$
2. $\frac{1}{2}$
3. $\frac{1}{4}$
4. $\frac{3}{4}$

Solution :

$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$

Question 91 :

$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$

ଅଂଶକ ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।

Difficulty : Moderate

Average Time : 27 Seconds

Options :

- 1. ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।
- 2. ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।
- 3. ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।
- 4. ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।

Solution :

ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।

Question 92 :

ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।

Difficulty : Moderate

Average Time : 27 Seconds

Options :

- 1. ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।
- 2. ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।
- 3. ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।
- 4. ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।

Solution :

ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।

Question 93 :

ଅକ୍ଷର ଉପରେ ଅଛି ଯେଉଁଠି ଅକ୍ଷର ଥିବା କ୍ରମ ସଂଖ୍ୟାକୁ ନିର୍ଦ୍ଧାରଣ କରନ୍ତୁ।

Difficulty : Moderate

Average Time : 28 Seconds

Options :



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

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

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

4. $\frac{1}{2} + \frac{1}{3} = \frac{4}{5}$

Solution :

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

Therefore, the correct answer is $\frac{5}{6}$.

Question 94 :

Find the value of $\frac{1}{2} + \frac{1}{3}$.

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. $\frac{5}{6}$

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

3. $\frac{3}{5}$

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

Solution :

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

Therefore, the correct answer is $\frac{5}{6}$.

Question 95 :

Find the value of $\frac{1}{2} + \frac{1}{3}$.

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. $\frac{5}{6}$

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

3. $\frac{3}{5}$

$\frac{2x^2 + 3x + 2}{x^2 + 2x + 1}$

Solution :

$\frac{2x^2 + 3x + 2}{x^2 + 2x + 1} = \frac{2(x^2 + 2x + 1) + (x + 2)}{x^2 + 2x + 1}$

$\frac{2(x^2 + 2x + 1) + (x + 2)}{x^2 + 2x + 1} = 2 + \frac{x + 2}{x^2 + 2x + 1}$

Question 96 :

$\frac{2x^2 + 3x + 2}{x^2 + 2x + 1}$ का अवशेष (Remainder) ज्ञात करें।

Difficulty : Moderate

Average Time : 27 Seconds

Options :

1. $x + 2$
2. $x + 1$
3. $x + 3$
4. $x + 4$

Solution :

$\frac{2x^2 + 3x + 2}{x^2 + 2x + 1}$ का अवशेष (Remainder) ज्ञात करें।

$\frac{2x^2 + 3x + 2}{x^2 + 2x + 1} = 2 + \frac{x + 2}{x^2 + 2x + 1}$

Question 97 :

$\frac{2x^2 + 3x + 2}{x^2 + 2x + 1}$ का अवशेष (Remainder) ज्ञात करें।

Difficulty : Moderate

Average Time : 27 Seconds

Options :

1. $x + 2$
2. $x + 1$
3. $x + 3$
4. $x + 4$

Solution :

$\frac{2x^2 + 3x + 2}{x^2 + 2x + 1} = \frac{2(x^2 + 2x + 1) + (x + 2)}{x^2 + 2x + 1}$

ଅଷ୍ଟମ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।

Question 98 :

ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. 1.4
2. 2.2
3. 3.3
4. 4.1

Solution :

ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।

ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।

Question 99 :

ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।

Difficulty : Moderate

Average Time : 25 Seconds

Options :

1. ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।
2. ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।
3. ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।
4. ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।

Solution :

ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।

ଦିଆଯାଇଥିବା ଏକ ଶ୍ରେଣୀର ପଢ଼ାବହିରୁ ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନ ଦିଆଯାଇଛି। ସମସ୍ତ ଉତ୍ତର ଠିକ୍ ଭାବରେ ଲେଖିବାକୁ ସମର୍ଥନ କରାଯାଉ।





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

Quantitative Aptitude

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

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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About Neetu Mam

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