



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 2021-11-25 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 :

A sum lend at compound interest amounts to 72.8% more than itself in 3 years, interest compounded annually at a certain rate percent per annum. What will be the compound interest (in â,^1) on a sum of â,^1 18,000 for 1(1/2) years at the same rate if the interest is compounded six- monthly?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 6,897
2. 5,598
3. 7,654
4. 5,958

Solution :

The correct answer is **option 4** i.e. **5,958**.

Given:

A sum lend at compound interest amounts to 72.8% more than itself in 3 years, interest compounded annually at a certain rate percent per annum

$P = 18000$ and time = 1(1/2) years

Formula used:



Amount = Principle + Interest

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

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

Calculations:

Let the principle and rate of interest be P and R

According to the question;

$$P(1 + R/100)^3 = P + P \times 72.8\%$$

$$P(1 + R/100)^3 = P + P \times 0.728$$

$$(1 + R/100)^3 = 1 + 0.728$$

$$(1 + R/100)^3 = 1.728 \text{ (cube root on both sides)}$$

$$1 + R/100 = 1.2$$

$$R/100 = 0.2$$

$$R = 20$$

Now calculating compound interest on a sum of Rs. 18000 when time is $1\frac{1}{2}$ years and rate is 20%

As interest is compounded half yearly so Rate = $20/2 = 10\%$ and time = $1.5 \times 2 = 3$ years

$$\text{Compound interest} = 18000(1 + 10/100)^3 - 18000$$

$$18000(1.1)^3 - 18000$$

$$18000 \times 1.331 - 18000$$

$$23958 - 18000 = 5958$$

Question 2 :

The units digit in $(236)^{149} + (263)^{150} + (263)^{151}$ is:

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. 1

2. 9

3. 3



7

Solution :

The correct answer is **option 2** i.e. **9**.

Concept used:

Cyclicity of 3 = 4

Calculations:

Remainder when 149 is divided by cyclicity of 3 i.e. 4 = 1

Remainder when 150 is divided by cyclicity of 3 i.e. 4 = 2

Remainder when 151 is divided by cyclicity of 3 i.e. 4 = 3

Unit place digit = $(3 + 3^2 + 3^3) = 3 + 9 + 27 = 39$

Here, unit digit is 9.

Question 3 :

Three horses are tied at three verticals of a triangular field, each with 7 m long rope. What is the total area grazed by the horses?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 58 m^2

2. 46 m^2

3. 70 m^2

4. 77 m^2

Solution :

The correct answer is **option 4** i.e. 77 m^2 .

Given:

Radius = 7 cm

Formula used:

Area of sector of a circle = $(\frac{\theta}{360}) \times r^2$ ----- (1)

Calculations:

Total angle of a triangle = 180°

Using equation (1), we get

$$\text{Area of the required field} = (180/360) \times (22/7) \times 7 \times 7$$

$$(1/2) \times 22 \times 7$$

$$11 \times 7 = 77 \text{ m}^2$$

Question 4 :

The sum of the radius of the base and height of a solid cylinder is 17 cm. If the total surface area of the solid cylinder is 748 cm^2 , then the height of the cylinder is:

Difficulty : Moderate**Average Time : 61 Seconds****Options :**

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

Solution :

The correct answer is **option 4** i.e. **10 cm**.

Given:

$$(r + h) = 17$$

$$\text{Total surface area} = 748 \text{ cm}^2$$

Formula used:

$$\text{Total surface area of the cylinder} = 2r(r + h) \quad \text{---- (1)}$$

Calculations:

Using equation (1), we get

$$\text{Total surface area of the cylinder} = 2 \times (22/7) \times r \times (17)$$

$$748 = 2 \times (22/7) \times r \times (17)$$



$$r = 7$$

$$(r + h) = 17$$

$$h = 17 - 7 = 10 \text{ cm}$$

Question 5 :

A train X of length 345 m running at 50km/h crosses another train Y running at 76 km/h in the opposite direction in 22 seconds. Train Y will cross a bridge of length 905 m in:

Difficulty : Moderate**Average Time : 61 Seconds****Options :**

1. 54 seconds
2. 56 seconds
3. 52 seconds
4. 63 seconds

Solution :

The correct answer is **option 4** i.e. **63 seconds**.

Given:

A train X of length 345 m running at 50km/h crosses another train Y running at 76 km/h in the opposite direction in 22 seconds

Length of bridge = 905 m

Calculations:

$$\text{m/s} = \text{Km/h} \times 5/18$$

$$50 \text{ km/h} = 50 \text{ km/h} \times 5/18 = 125/9 \text{ m/s}$$

$$76 \text{ km/h} = 76 \text{ km/h} \times 5/18 = 190/9 \text{ m/s}$$

When any vehicles travel in opposite directions the relative speed will be the addition of their speed

$$\text{Relative speed} = 125/9 + 190/9 = 315/9 = 35 \text{ m/s}$$

$$\text{Total length of train X and Y} = 22 \times 35 = 770 \text{ m}$$

$$\text{Length of train Y} = 770 - 345 = 425 \text{ m}$$

$$\text{Total length when crossing the bridge} = 905 + 425 = 1330$$



Required time taken = $1330 \div (190/9) = 63$ seconds

Question 6 :

A shopkeeper purchased some material for ₹ 8000, of which 40% was sold at a loss of 10%. To obtain a gain of 12%, the percentage profit on the remaining goods must be: .

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. $26(1/3)\%$
2. 12%
3. $26(2/3)\%$
4. $26(3/5)\%$

Solution :

The correct answer is **option 3** i.e. $26(2/3)\%$.

Calculations:

Let the total number of items be 10

40% of the total items = 4

Price of an item = 800

Cost price of 10 items = 8000

40% was sold at a loss of 10% = $800 \times 90\% = 720$

Total Selling price of 4 items = $720 \times 4 = 2880$

Total gain is 12%, final selling price = $8000 \times 112\% = 8960$

Selling price of remaining items = $8960 - 2880 = 6080$

Cost price of 6 items = 4800

Required gain % = $((6080 - 4800)/4800) \times 100 = 26(2/3)\%$

Question 7 :

On what sum will be the simple interest at a rate of x% p.a. in x years will be ₹ x?

Difficulty : Moderate

Average Time : 53 Seconds

Options :



$$1. \hat{a}^1 x/100$$

$$2. \hat{a}^1 100x$$

$$3. \hat{a}^1 100/x$$

$$4. \hat{a}^1 x$$

Solution :

The correct answer is **option 3** i.e. $\hat{a}^1 100/x$.

Formula used:

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

Where, P = Principle, R = rate and T = time period

Calculations:

Let the sum be P.

Using equation (1),

$$x = \frac{P \times x \times x}{100}$$

$$P = 100/x$$

Question 8 :

Biological events in plants and animals, such as flowering, leafing, dormancy, reproduction and What is the study of the time of migration etc. called?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Pomology
2. Lichenology
3. Synantherology
4. Phenology

Solution :

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

- Phenology is defined as the study of the timing of recurring biological events, the causes of their timing with regard to biotic and abiotic forces, and the interrelation among phases of the same or different species.



Phenology influences the abundance and distribution of organisms, ecosystem services, food webs, and global cycles of water and carbon.

Question 9 :

For doing a certain work, the efficiencies of A, B and C are in the ratio 2 : 3 : 5, working together, they can complete the same work in 15 days. B and C complete 80% of the original work in:

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

1. 15 days
2. 18 days
3. 20 days
4. 12 days

Solution :

The correct answer is **option 1** i.e. **15 days**.

Calculations:

Let the efficiency of A, B and C be $2x$, $3x$ and $5x$

Total work = $10x \times 15 = 150x$ units

80% of the total work = $150x \times 80\% = 120x$

Required days = $120x/8x = 15$ days

Question 10 :

Inertia can be measured by its _____.

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

1. force
2. state of motion
3. mass
4. acceleration

Solution :

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

- Inertia can be measured by its mass.
- The amount of matter present in any object or body is called its mass.
- Inertia is a property of matter that causes it to resist changes in velocity (speed and/or direction).
- Inertia is the property of matter that makes this law hold true.

Question 11 :

Six friends A, B, C, D, E, and F are sitting in a straight horizontal line facing north. Four persons are sitting between E and C. D is sitting between A and F. A is to the immediate right of E. Who is sitting to the immediate right of F?

Difficulty : Moderate

Average Time : 58 Seconds

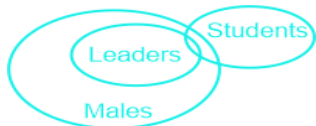
Options :

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

Solution :

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

According to the question, the arrangement is as follows:



From the above arrangement, B is sitting to the immediate right of F.

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

Question 12 :

Select the number from among the given options that can replace the question mark (?) in the following series. 14, 29, 57, 115, 229, ?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 457



463

3. 461

4. 459

Solution :

The correct answer is **option 4** i.e. **459**.

The logic used here is:

14, 29, 57, 115, 229, ?

$$(14 \times 2) + 1 = 29$$

$$(29 \times 2) - 1 = 57$$

$$(57 \times 2) + 1 = 115$$

$$(115 \times 2) - 1 = 229$$

$$(229 \times 2) + 1 = 459$$

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

Question 13 :

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

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

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

Solution :

The correct answer is **option 1** i.e. **Only A, B, and C**.

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

P is opposite to R.

Q is opposite to S.



U is opposite to T.

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

In figure D, even though the opposite pairs are not adjacent, U can not be placed on the right side of S. So, figure D can not be formed.

Question 14 :

The sum of the present ages of a father and his son is 58 years. Four years ago, the ratio of their ages was 4: 1. What is the present age of the father?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 35 years
2. 44 years
3. 38 years
4. 40 years

Solution :

The correct answer is **option 2** i.e. **44 years**.

Let the present age of son = x

Present age of father = 58 - x

Four years ago;

Age of son = x - 4

Age of father = 58 - x - 4 = 54 - x

According to the question;

$$(54 - x)/(x - 4) = 4/1$$

$$x = 14$$

Present age of father = 58 - x = 58 - 14 = 44 years

Question 15 :

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



x l _ q _ _ x _ p q _ e _ l p _

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. e, p, r, e, l, r, x, q
2. p, e, r, p, l, r, x, q
3. e, x, q, r, p, l, x, p
4. p, e, q, l, x, p, r, q

Solution :

The correct answer is **option 1** i.e. **e, p, r, e, l, r, x, q**.

The sequence is – e, p, r, e, l, r, x, q

Given sequence: r _ x l _ q _ _ x _ p q _ e _ l p _

Option 1: e, p, r, e, l, r, x, q

r e x l p q / r e x l p q / r e x l p q

Option 1 forms a particular pattern.

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

Question 16 :

Select the option which is related to the third term in the same way the second term is related to the first. LARGE: MASHE:: WATER: _____

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. VAUES
2. VBSFQ
3. XAUES
4. XBUFS

Solution :

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



The logic used here is:

LARGE: MASHE

$$L + 1 = M$$

A A

$$R + 1 = S$$

$$G + 1 = H$$

E E

Similarly,

WATER: _____

$$W + 1 = X$$

A A

$$T + 1 = U$$

E E

$$R + 1 = S$$

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

Question 17 :

N has two children S and P. N's wife J is the only sister of M's mother. R is M's maternal grandfather. How is R related to N?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

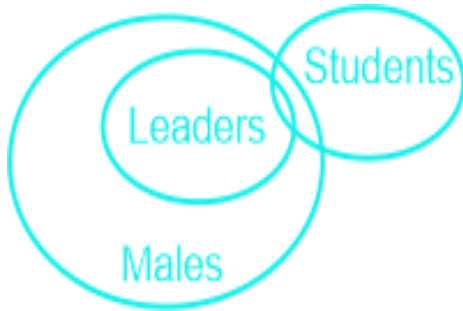
1. Son-in-law
2. Father
3. Father-in-law
4. Uncle

Solution :

The correct answer is **option 3** i.e. **Father-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, R is the father-in-law of N.

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

Question 18 :

Select the number from among the given options that can replace the question mark (?) in the following series. 34, 37, 42, 49, 60, 73, 90, ?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 109
2. 119
3. 117
4. 99

Solution :

The correct answer is **option 1** i.e. **109**.

The logic used here is:

34, 37, 42, 49, 60, 73, 90, ?

$$34 + 3 = 37$$

$$37 + 5 = 42$$

$$42 + 7 = 49$$

$49 + 11 = 60$

$60 + 13 = 73$

$73 + 17 = 90$

$90 + 19 = 109$

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

Question 19 :

'Suva' is related to 'Fiji' in the same way as 'Helsinki' is related to '_____'.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Greece
2. France
3. Finland
4. Hungary

Solution :

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

The logic used here is:

'Suva' is related to 'Fiji'

Suva is the capital city of Fiji.

Similarly,

'Helsinki' is related to '_____'

Helsinki is the capital of Finland.

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

Question 20 :

Select the correct mirror image of the given combination when the mirror is placed on the right side.

Difficulty : Moderate

Average Time : 48 Seconds

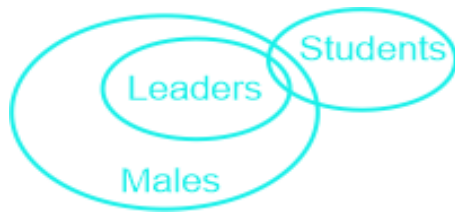
Options :

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

Solution :

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

The mirror image of the question figure is shown below:



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

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

Question 21 :

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 : 76 Seconds

Options :

1. TXBFK
2. YDINS
3. BGLQV
4. PUZEJ

Solution :

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

The logic used here is:



1st letter + 5 = 2nd letter

2nd letter + 5 = 3rd letter

3rd letter + 5 = 4th letter

4th letter + 5 = 5th letter

Option 1: TXBFK

T + 5 = Y

Y + 5 = D

D + 5 = I

I + 5 = N

This does not follow the logic.

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

Question 22 :

In the following diagram the 'rhombus' stands for 'teachers', the circle stands for 'social servants', and the 'pentagon' stands for 'females'. The numbers given in the different segments represent the number of persons in that category. How many female teachers are also social servants?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 24

2. 10

3. 9

4. 15

Solution :

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

The number of female teachers who are also social servants = Number that is common to all three figures = 10

Question 23 :

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

Difficulty : Moderate

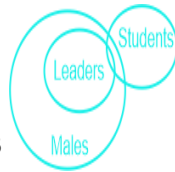
Average Time : 36 Seconds

Options :

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



Solution :



The correct answer is **option 3** .

The logic used here is:

1. The semi-circle is rotated by 45 degrees in the clockwise direction and interchanges its position with the slant lines.
2. In figures 1 and 3 there is one straight line and in figures 2 and 4 there are two straight lines.

The series of figures:



Question 24 :

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

ETP, CWL, AZH,?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. YBD
2. YCD
3. ZCD
4. YCE

Solution :

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

The logic used here is:

GQT, ETP

G - 2 = E

Q + 3 = T

T - 4 = P

Similarly;

AZH,?

A - 2 = Y

Z + 3 = C

H - 4 = D

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

Question 25 :

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

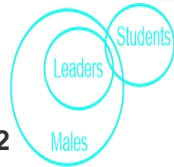
Average Time : 51 Seconds

Options :

- 1.

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

Solution :



The correct answer is **option 2** .

After unfolding, the paper will appear as follows:



Question 26 :

Select the number-triad in which the three numbers share a different relationship from that shared by the three numbers in the rest of the number-triads.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. (13, 39, 65)



(23, 69, 105)

3. (19, 57, 95)

4. (17, 51, 85)

Solution :

The correct answer is **option 2** i.e. (23, 69, 105).

The logic used here is:

1st number \times 3 = 2nd number

1st number \times 5 = 3rd number

Option 1: (13, 39, 65)

$13 \times 3 = 39$

$13 \times 5 = 65$

This follows the logic.

Option 2: (23, 69, 105)

$23 \times 3 = 69$

$23 \times 5 = 115$

This does not follow the logic.

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

Question 27 :

Select the option that is related to the third number in the same way as the second number is related to the first number. 7: 342:: 9:?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 329

2. 728

3. 327

4. 729

**Solution :**

The correct answer is **option 2** i.e. **728**.

The logic used here is:

7: 342

$$7^3 - 1 = 343 - 1 = 342$$

Similarly,

9:?

$$9^3 - 1 = 729 - 1 = 728$$

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

Question 28 :

In a certain code language, 'FRY' is coded as '147', and 'CROP' is coded as '208'. How will 'MUSIC' be coded in that language?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 295
2. 385
3. 199
4. 325

Solution :

The correct answer is **option 4** i.e. **325**.

The logic used here is:

'FRY' is coded as '147'

$$\text{FRY} = 6 + 18 + 25 = 49 \times \text{Number of letters in the word} = 49 \times 3 = 147$$

'CROP' is coded as '208'

$$\text{CROP} = 3 + 18 + 15 + 16 = 52 \times 4 = 208$$

Similarly,

Code for the word MUSIC:



$$\text{MUSIC} = 13 + 21 + 19 + 9 + 3 = 65 \times 5 = 325$$

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

Question 29 :

In a certain code language, 'SHIMLA' is written as 'TJLQQG' and 'RANCHI' is written as 'SCQGMO'. How will 'MUMBAI' be written in that language?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. OWQEEP
2. NWPFFO
3. NXQEFP
4. MXPEFP

Solution :

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

The logic used here is:

'SHIMLA' is written as 'TJLQQG'

$$S + 1 = T$$

$$H + 2 = J$$

$$I + 3 = L$$

$$M + 4 = Q$$

$$L + 5 = Q$$

$$A + 6 = G$$

Similarly,

Code for the word MUMBAI:

$$M + 1 = N$$

$$U + 2 = W$$

$$M + 3 = P$$

$$B + 4 = F$$

$$A + 5 = F$$

$$I + 6 = O$$

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

Question 30 :

In a certain code language, CHEAP is written as QBFID. How will QUOTE be written in that language?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. RVNUF
2. ETOUQ
3. UOQET
4. FUPVR

Solution :

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

The logic used here is:

CHEAP is written as QBFID

First, reverse the given code.

CHEAP = DIFBQ

$$C + 1 = D$$

$$H + 1 = I$$

$$E + 1 = F$$

$$A + 1 = B$$

$$P + 1 = Q$$

Similarly,

Code for the word QUOTE:

$$Q + 1 = R$$



$$U + 1 = V$$

$$O + 1 = P$$

$$T + 1 = U$$

$$E + 1 = F$$

QUOTE = FUPVR

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

Question 31 :

Select the correct option, which shows the logical and meaningful sequence of the given words. i. Flower ii. Sprout iii. Fruit iv. Plant v. Seed

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. ii, v, iv, i, iii
2. v, ii, iv, i, iii
3. ii, i, iii, iv, v
4. v, iv, i, iii, ii

Solution :

The correct answer is **option 2** i.e. **v, ii, iv, i, iii**.

A farmer sows the **seeds** first.

Seed turns into **Sprout**.

Sprout turns into **Plant**.

Plant is followed by **Flower**.

Flower is followed by **Fruit**.

The correct logical order:

Seed Sprout Plant Flower Fruit

Hence, the correct answer is **v, ii, iv, i, iii**.

Question 32 :

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

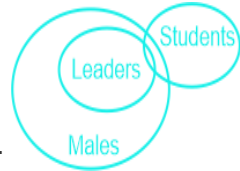
Difficulty : Moderate

Average Time : 59 Seconds

Options :

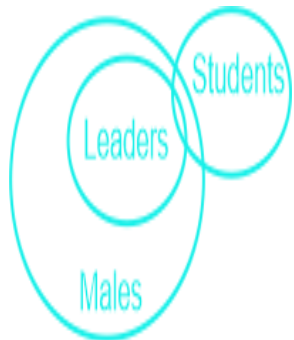
- 1.
- 2.
- 3.
- 4.

Solution :



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

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



Question 33 :

Eight friends, Arvind, Priya, Kunal, Kajal, Ashish, Mahak, Shubham, and Riddhi are sitting around an octagonal table,

facing the centre. Kunal is between Mahak and Ashish. Kajal is between Priya and Arvind. Shubham is to the immediate left of Riddhi. Arvind is third to the right of Ashish. Who is sitting between Riddhi and Priya?

Difficulty : Moderate

Average Time : 74 Seconds

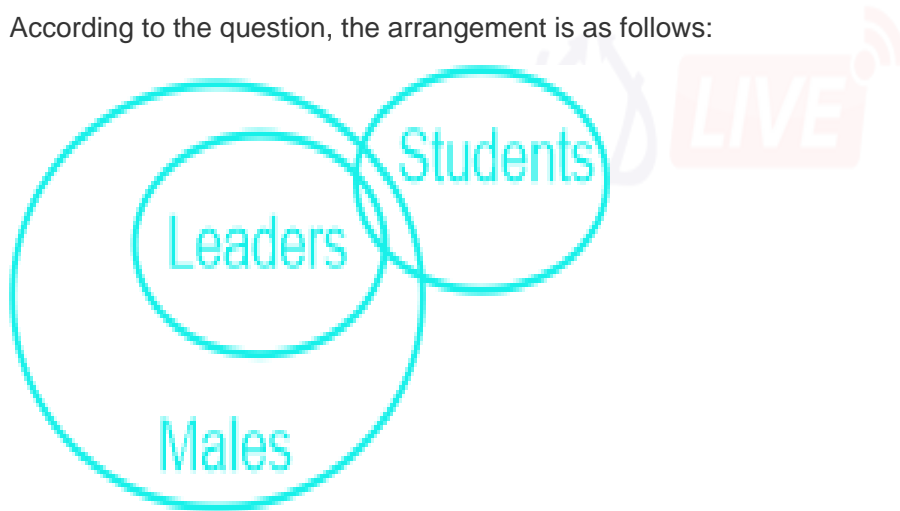
Options :

1. Ashish
2. Arvind
3. Kajal
4. Shubham

Solution :

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

According to the question, the arrangement is as follows:



From the above arrangement, Shubham is sitting between Riddhi and Priya.

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

Question 34 :

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: All leaders are males. Some students are leaders. Conclusions: I. Some students are males. II. All leaders are students.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

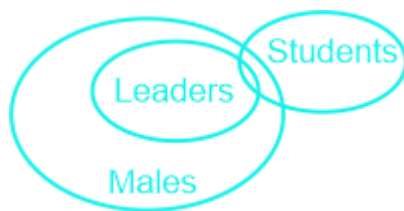
Only conclusion I follows

2. Both conclusions I and II follow
3. Only conclusion II follows
4. Either conclusion I or II follows

Solution :

The correct answer is **option 1** i.e. **Only conclusion I follows**.

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

**Conclusions:**

- I. Some students are males **True** (As all leaders are males and some students are leaders, so some students are males is true.)
- II. All leaders are students **False** (It is possible but no definite conclusion can be drawn.)

Hence, **Only conclusion I follows**.

Question 35 :

If '+' means ' \times ', ' \times ' means ' \div ', and ' \div ' means '+', then what will be the value of the following expression? $9 \ 9 \div 72 \times 4 + 6$

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 27
2. 29
3. 98
4. 93

Solution :

The correct answer is **option 4** i.e. **93**.



Given equation: $9 \times 9 \div 72 \times 4 + 6$

Given conditions:

'+' means '-'

'-' means 'x'

'x' means '÷'

'÷' means '+'

After interchanging the expression becomes:

$$= 9 \times 9 + 72 \div 4 - 6$$

$$= 93$$

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

Question 36 :

Which ministry/institution has released the Provisional Estimates of National Income for the financial year 2019-20, both – at Constant Prices (2011-12) and Current Prices?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. National Statistical Office
2. NITI Aayog
3. Ministry of Home Affairs
4. Finance Commission

Solution :

The correct answer is **option 1** i.e. **National Statistical Office**.

- The National Statistical Office (NSO), Ministry of Statistics and Programme Implementation has released the First Advance Estimates of National Income at both Constant (2011-12) and Current Prices, for the financial year 2019-20 along with the corresponding estimates of expenditure components of the Gross Domestic Product (GDP).
- The National Statistics Office (NSO) is responsible for collecting, compiling, classifying, producing, publishing and disseminating general-purpose statistics and for carrying out and administering the provisions of the Civil Registry Law

Question 37 :



The _____ dam is built across the Subarnarekha river.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Bhairwa
2. Malay
3. Barhi
4. Chandil

Solution :

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

- Chandil Dam is located at Chandil, a subdivision of Saraikela-Kharswan district of Jharkhand
- Chandil Dam is a major dam of Subarnarekha Multipurpose project. It has been constructed across the river Subarnarekha.
- As per tradition, gold was mined near the origin of the river at a village named piska near Ranchi. This is why it was named Subarnarekha, meaning "streak of gold".

Question 38 :

Which among the following is NOT a participant at the 2020-21 Hero Indian Super League?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Odisha FC
2. Kochi FC
3. Jamshedpur FC
4. Bengaluru FC

Solution :

The correct answer is **option 2** i.e. **Kochi FC**.

- F. C. Kochin is a football club based in Cochin, Kerala, India.
- It is the first professional football club in India.
- The Club and Team was formed in the late 1990s and early 2000s.
- The Hero Indian Super League also known as ISL is India's premier football championship that was established on October 12, 2014.

**Question 39 :**

Section 354 of the Indian Penal Code deals with _____.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Punishment for voluntarily causing grievous hurt
2. punishment for kidnapping
3. Extortion by putting a person in fear of grievous hurt or death
4. assault or criminal force upon a woman with intent to outrage her modesty

Solution :

The correct answer is **option 4** i.e. **assault or criminal force upon a woman with intent to outrage her modesty.**

- Section 354 states that whoever assaults or makes the use of criminal force on any woman with the intention to outrage her modesty or knowing it to be likely outraging her modesty shall be liable for punishment under this section.
- The punishment is imprisonment of either description, which shall be a minimum of one year and may extend up to five years.
- Additionally, the fine shall also be levied. Hence, the punishment can be simple or rigorous imprisonment, depending on the discretion of the judge.
- Additionally, a fine shall be levied along with such imprisonment, which means that the offence is non-compoundable.

Question 40 :

What was the maiden name of Begum Nur Jahan?

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. Padmavati
2. Indira Kanwar
3. Mehr-un-Nissa
4. Harkha Bai

Solution :



The correct answer is **option 3** i.e. **Mehr-un-Nissa**.

- Mehr-un-Nisaa was the real name of Noor Jehan. She was the favourite wife of the Mughal Emperor Jahangir.
- Nur Jahan was the only Mughal empress who had coins minted with her name on them.
- She also saved her husband Jahangir from the clutches of rebel leader Mubarak Khan.

Question 41 :

In July 2021, _____ will be honored with the Indian Sports Honor for 2019 for Differently Abled Sportsman was named as the Differently Abled Sportsman of the Year.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Promod Bhagat
2. Dharambeer Nain
3. Vivek Chikar
4. Amit Kumar Saroh

Solution :

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

- In July 2021, World No. 1 para shuttler Pramod Bhagat was named Differently Abled Sportsman of the Year at Indian Sports Honour for 2019.
- Bhagat won two gold medals and a bronze at the Dubai Para Badminton Tournament this year.
- Founded in 2017, Indian Sports Honours are awards given annually by the RPSG Group in association with the Virat Kohli Foundation to outstanding sports personalities of India.

Question 42 :

Who was the winner of 'The Hindu Prize 2019' in the category of Fiction?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Neelum Saran Gour
2. Anuradha Roy
3. Mirza Waheed
4. Amitabha Bagchi

Solution :

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

- Mirza Waheed wins the Hindu Prize 2019 for fiction('Tell Her Everything'), Santanu Das for non-fiction('India, Empire and First World War Culture').
- The Hindu Prize for Fiction was instituted in 2010 to recognise and encourage Indian fiction written in English.
- The winners in both categories, fiction and non-fiction, receives ₹,15 lakh each in cash, a trophy and a citation.

Question 43 :

As per section _____ of the Reserve Bank of India Act, 1934, the bank is allowed to has full authority to issue notes.

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

1. 25
2. 22
3. 20
4. 32

Solution :

The correct answer is **Option 2** i.e. **22**

- Preamble to the RBI Act, 1934 spells out the objectives of the RBI as:
 - (a)To regulate the issue of bank notes.
 - (b)To keep reserves with a view to securing monetary stability in India.
 - (c)To operate currency and credit system of the country to its advantage.
- Management of currency is one of the core central banking functions of the RBI for which it derives the necessary statutory powers from Section 22 of the RBI Act, 1934.
- Right to issue bank notes [Section 22]: The RBI shall have the sole right to issue 'bank notes' in India.

Question 44 :

Who among the following is the author of the book 'Maun Muskaan Ki Maar'?

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

1. Ashutosh Rana



Jugal Hansraj

3. Uday Chopra

4. Ronit Roy

Solution :

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

- Actor Ashutosh Rana's debut novel "Maun Muskaan Ki Maar" is a collection of short stories based on his life experiences.
- Ashutosh Rana born in Gadarwara, Madhya Pradesh is an Indian actor working in the Hindi Film and Telugu Film industry.

Question 45 :

Who among the following is a shot put player from India?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Vikash Thakur
2. Tajinderpal Singh Toor
3. Deepak Lather
4. Jeremy Lalrinnunga

Solution :

The correct answer is **option 2** i.e. **Tajinderpal Singh Toor**.

- Tajinder Pal Singh Toor is an Indian shot putter and an Asian Games gold medalist.
- He won the men's shot put gold at the 61st National Inter-State Senior Athletics Championships with a throw of 20.34m, but fell short of Athletics Federation of India's qualifying standard for Commonwealth Games in Birmingham by 16cm.
- He is Asia's highest-ranked shot putter as of 2022.

Question 46 :

World Philosophy Day is celebrated each year on the third _____ of November.

Difficulty : Moderate

Average Time : 52 Seconds

Options :



Thursday

2. Saturday

3. Friday

4. Monday

Solution :

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

- World Philosophy Day is celebrated each year, on the third Thursday of November to honor philosophical reflections around the world.
- World Philosophy Day is a United Nations Educational, Scientific and Cultural Organization (UNESCO) initiative that draws people around the world to engage in shared reflection on contemporary issues.

Question 47 :

How many states of India have bicameral legislature?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 2

2. 7

3. 4

4. 6

Solution :

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

- 6 Indian States have bicameral Legislatures. These are Andhra Pradesh, Telangana, Bihar, Karnataka, Maharashtra and Uttar Pradesh.
- A legislature with two houses, or chambers is known as Bicameral legislatures.
- In a bicameral legislature, the law-making organization is divided into two chambers, sometimes called houses or assemblies.
- Individuals who serve in a legislature are known as legislators. In most bicameral systems, each chamber has both exclusive powers and powers that are shared between the chambers.

Question 48 :



The Government of India revised the National List of Essential Medicines (NLEM) in September 2021 by adding _____ drugs and deleting some.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 27
2. 42
3. 16
4. 39

Solution :

The correct answer is **option 4** i.e. **39**.

- The National list of essential medicines is one of the key instruments in balanced healthcare delivery system of a country which inter alia includes accessible, affordable quality medicine at all the primary, secondary, tertiary levels of healthcare.
- The primary purpose of NLEM is to promote rational use of medicines considering the three important aspects i.e. cost, safety and efficacy.

Question 49 :

Who was the viceroy of India when Arya Samaj was founded by Swami Dayananda Saraswati?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Lord Northbrook
2. Lord Curzon
3. Lord Lansdowne
4. Lord Dalhousie

Solution :

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

- Lord Northbrook was the viceroy of India during the Kuka movement between 1872 and 1876.
- The important events during his reign were deposition of Gaikwad of Baroda in 1875, visit of Prince of Wales, Famine in Bihar and Kuka Movement in Punjab.
- The Arya Samaj was founded by Dayananda Saraswati in Bombay on 10 April 1875.

**Question 50 :**

What is the branch of agriculture that deals with the cultivation of garden crops – usually fruits, Related to vegetables and ornamental plants?

Difficulty : Moderate**Average Time : 51 Seconds****Options :**

1. Horticulture
2. Sericulture
3. Permaculture
4. Floriculture

Solution :

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

- HORTICULTURE is the science and art of growing fruits, vegetables, flowers, or ornamental plants.
- Vegetables, fruits, flowers, ornamentals, and lawn grasses are examples of horticultural crops and are typically produced on a smaller scale with more intensive management than agronomic crops.
- Dr. Chadha is aptly referred to as the 'Father of Modern Horticulture'.

Question 51 :

_____ is the use of government spending and tax policies to influence economic conditions.

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

1. contractionary monetary policy
2. expansionist policy
3. Monetary policy
4. Treasury policy

Solution :

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

- Treasury policy is defined as a company's response to a financial risk such as FX, interest rate, commodity, counterparty, liquidity or funding risk.
- It defines the daily management of payments, cash pooling, netting, account management, short-term investments



and -borrowings, interest rate matters etc.

- Its purpose is generally to enable efficient management of financial risk within your company.

Question 52 :

Which of the following art forms is performed by men, in which their body is 'Ramras' Cesna lives and they usually wear yellow colored clothes and dance with 'Kartal' singing?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Jhoola
2. Kheliran
3. Jhumar
4. Chaiti

Solution :

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

- The Chaiti is a musical form derived from folk songs and its theme mostly revolves around the festivities of Holi and Ramnavmi.
- Chaiti is sung in the month of Chait that falls in March/April as per the Hindu calendar.
- Some of the famous patrons of Chaiti in the state of UP are Girija Devi, Shobha Gutru and Pundit Chhanulal Misra.

Question 53 :

'Dhenka' is a popular _____ musical instrument from the state of Odisha.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Idiophone
2. Chordophone
3. Aerophone
4. Membranophone

Solution :

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

The term chordophones is generally used to classify musical instruments that produce sound by way of vibrating strings, that can be plucked by a plectrum, rubbed by a bow or played by hand.

- The instrument Dhenka is alone responsible for the composition of the number of poems by Kavisurya and Bakadeva Ratha through it's novel melodious thing.

Question 54 :

Which of the following statements is NOT true regarding brain fingerprinting?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Brain fingerprinting is also known as Brain Electrical Oscillation Signature Profiling (BEOSP).
2. The test involves a question answer session with the accused.
3. The test is carried out by electroencephalogram, to study the electrical behaviour of the human brain.
4. Information or material discovered during the tests can be made part of the evidence.

Solution :

The correct answer is **option 2** i.e. **The test involves a question answer session with the accused.**

- Brain fingerprinting provides an objective method to detect features of the crime that are stored in the brain of the suspect.
- Brain fingerprinting is a type of lie-detection technique.
- It is one of the techniques of crime detection, put to use in certain sensitive cases.

Question 55 :

Narayana Guru, one of the great social reformers of the 19th century, was born in the state of _____.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Karnataka
2. West Bengal
3. Assam
4. Kerala

**Solution :**

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

- Shree Narayana Guru (1856–1928), also known as Shree Narayana Guru Swami, was a Hindu saint & social reformer of India.
- The Guru was born into an Ezhava family, in an era when people from backward communities like the Ezhavas faced social injustice in the caste-ridden Kerala society.
- Gurudevan, as he was known among his followers, led Reform movement in Kerala, revolted against caste system and worked on propagating new values of freedom in spirituality and social equality which transformed the Kerala society.

Question 56 :

As of March 2021, which Indian state stands first in Jute production?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. West Bengal
2. Assam
3. Jharkhand
4. Tripura

Solution :

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

- The jute industry is among the oldest and most prominent industries in India.
- The Indian jute industry mainly depends on West Bengal due to the higher number of mills.
- The major jute-producing states in India are West Bengal, Assam, Bihar, Orissa, and Andhra Pradesh.

Question 57 :

Which of the following is India's first indigenously developed vaccine developed by Serum Institute of India in collaboration with the Bill and Melinda Gates Foundation and PATH?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Varicella
2. Cholera



Pneumosil

4. Anthrax

Solution :

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

- Pneumosil Vaccine is a vaccine that helps protect your child against diseases such as pneumonia, meningitis, ear and blood infections.
- It helps the body make its own antibodies which protects the child against these diseases.
- Pneumosil Vaccine provides protection against diseases caused by ten different strains of Streptococcus pneumoniae bacteria.

Question 58 :

Which of the following Indian slums is one of the world's largest slums?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Bhalswa
2. Basanti
3. Dharavi
4. Nochikuppam

Solution :

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

- One of the largest slums in the world, Dharavi is located in the heart of Mumbai.
- Dividing it further, 30% of the Dharavi population is Muslim. At the same time, the Hindus and Christians have a share of 63% and 6%, respectively.
- Among the Hindu Dharavi population, 20% work on large-scale operations involving leather goods, tanneries and animal skin production.
- Others specialise in small-scale processes such as textile manufacturing, retail and trade, pottery work, etc.

Question 59 :

The LCM of $\frac{3}{7}$ and $\frac{18}{5}$ is:

Difficulty : Moderate

Average Time : 52 Seconds

Options :



7

2. 18

3. 10

4. 6

Solution :

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

Concept used:

When the numbers are in fraction, we take the LCM of numerator and HCF of denominator

Calculations:

LCM of $\frac{3}{7}$ and $\frac{18}{5}$

LCM of 3 and 18 = 18

HCF of 7 and 5 = 1

Hence, the LCM of $\frac{3}{7}$ and $\frac{18}{5}$ is 18.

Question 60 :

A's monthly salary is 20% more than B's monthly salary. C's monthly salary is ₹ 25,000 more than B's monthly salary. Their total monthly salary is ₹ 2,65,000. The salary of C is what percentage more than that of A's salary?

Difficulty : Moderate**Average Time : 51 Seconds****Options :**1. $13\frac{1}{9}\%$ 2. $19\frac{1}{5}\%$ 3. $11\frac{1}{9}\%$ 4. $5\frac{1}{5}\%$ **Solution :**

The correct answer is **option 3** i.e. $11\frac{1}{9}\%$.

Given:

A's monthly salary is 20% more than B's monthly salary.



C's monthly salary is $\hat{a},^1$ 25,000 more than B's monthly salary.

Their total monthly salary is $\hat{a},^1$ 2,65,000

Calculations:

Let the salary of B be x

Salary of A = $1.2x$

Salary of C = $x + 25000$

Now, according to the question;

$$x + 1.2x + x + 25000 = 265000$$

$$3.2x = 240000$$

$$x = 75000$$

Salary of A = $1.2 \times 75000 = 90000$

Salary of C = $75000 + 25000 = 100000$

Required percentage = $[(100000 - 90000)/90000] \times 100$

$$11(1/9)\%$$

Question 61 :

If 782 is divided in the ratio of $1/2 : 2/3 : 3/4$, then the first part will be:

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 204
2. 144
3. 156
4. 324

Solution :

The correct answer is **option 1** i.e. **204**.

Calculations:

Let the three numbers be x, y and z

Ratio of x, y and z = $1/2 : 2/3 : 3/4$

6 : 8 : 9

Total sum = 23 units

782 = 23 units

1 unit = 34

1st number = $34 \times 6 = 204$

Question 62 :

The profit earned after selling an article for ₹ 5800 is the same as the loss incurred after selling the article for ₹ 2,200.

The profit (in Rs.) is:

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 2,100
2. 1,500
3. 1,200
4. 1,800

Solution :

The correct answer is **option 4** i.e. **1,800**.

Given:

The profit earned after selling an article for ₹ 5800 is the same as the loss incurred after selling the article for ₹ 2,200

Formula used:

Profit = selling price - cost price

Loss = Cost price - selling price

Calculations:

According to the question;

$$5800 - \text{Cost price} = \text{Cost price} - 2200$$

$$2 \times \text{Cost price} = 8000$$



Cost price = 4000

Profit = Selling price - Cost price

$5800 - 4000 = 1800$

Question 63 :

The income of A is 80% more than that of B, and the income of C is 25% more than 20% of the combined income of A and B. By what percentage is the income of C less than the income of A?(correct to one decimal place)

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 61.1%
2. 82.8%
3. 62.6%
4. 157.1%

Solution :

The correct answer is **option 1** i.e. **61.1%**.

Calculations:

According to the question;

Let the income of B = 100

Income of A = 180% of 100 = 180

Income of C = 125% of (20% of (A + B))

125% of (20% of 280)

125% of 56

70

Required percent = $((A - C)/A) \times 100$

$((180 - 70)/180) \times 100 = 61.1\%$

Question 64 :

$6 \times (4 \times 52) \div 3 + 7 - 8 = ?$



Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 199
2. 299
3. 189
4. 200

Solution :

The correct answer is **option 1** i.e. **199**.

Concept:

BODMAS rule

Calculations:

$$6 \times (4 \times 5^2) \div 3 + 7 - 8 = ?$$

$$6 \times (4 \times 25) \div 3 - 1 = ?$$

$$6 \times (100) \div 3 - 1 = ?$$

$$6 \times (100/3) - 1 = ?$$

$$2 \times 100 - 1 = ?$$

$$? = 199$$

Question 65 :

A shopkeeper sells a fan for ₹ 912 at a gain of 14% and another fan for ₹ 1,012 at a loss of 8%. What is his overall gain or loss percentage?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. $1(5/19)\%$ gain
2. $1(4/9)\%$ loss
3. $1(2/5)\%$ loss
4. $1(3/11)\%$ gain

**Solution :**

The correct answer is **option 1** i.e. **1(5/19)% gain.**

Given:

A shopkeeper sells a fan for ₹ 912 at a gain of 14% and another fan for ₹ 1,012 at a loss of 8%

Formula used:

Selling price = Cost price ± profit/loss

Calculations:

Cost price of first fan = $912/114 \times 100 = 800$

Cost price of second fan = $1012/92 \times 100 = 1100$

Total cost price = $1100 + 800 = 1900$

Total selling price = $912 + 1012 = 1924$

Gain% = $(1924 - 1900)/1900 \times 100 = 24/19\%$ or $1(5/19)\%$

Question 66 :

Three persons namely govinda, Raheem and sudhir can complete a work in 8, 12 and 15 days, respectively. The time taken to complete the work when they worked together is:

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 40/11 days
2. 4 days
3. 53/11 days
4. 6 days

Solution :

The correct answer is **option 1** i.e. **40/11 days.**

Given:

Three persons namely govinda, Raheem and sudhir can complete a work in 8, 12 and 15 days

Calculations:

Total work (LCM of 8, 12 and 15) = 120 units



Efficiency of govinda for one day = $120/8 = 15$ units

Efficiency of Raheem for one day = $120/12 = 10$ units

Efficiency of sudhir for one day = $120/15 = 8$ units

Total efficiency = $15 + 10 + 8 = 33$ units

Required number of days = $120/33 = 40/11$ days

Question 67 :

What price should a shopkeeper mark on an article, costing him ₹ 210, to gain 16%?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. ₹ 290
2. ₹ 210
3. ₹ 270
4. ₹ 250

Solution :

The correct answer is **option 1** i.e. ₹ 290.

Given:

Cost price = 210

Gain = 16%

Formula used:

Marked price = Cost price + Cost price \times gain%

Selling price = Cost price + cost price \times gain%

Calculations:

Selling price = $210 + 210 \times 16/100 = 243.6$

Let the marked price be x

$$x - x \times 16\% = 243.6$$

$$0.84x = 243.6$$



$x = 290$

Question 68 :

A car takes 4 hours to cover a distance if it travels at a speed of 60 km/h. What should be its speed (in km/h) to cover the same distance in 1.5 hours?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 150
2. 165
3. 180
4. 160

Solution :

The correct answer is **option 4** i.e. **160**.

Given:

A car takes 4 hours to cover a distance if it travels at a speed of 60 km/h

Formula used:

Speed = distance/time ---- (1)

Calculations:

Distance covered in 4 hours at 60 km/h = $60 \times 4 = 240$ km

Speed when time taken is 1.5 hours = $240/1.5 = 160$ km/h

Question 69 :

Two positive numbers A and B ($A > B$) are in the ratio 11 : 8. If the difference between 7 times of A 4 times of B is 225, then the value of $2A + 3B$ is:

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 330
2. 220
3. 230

**320****Solution :**

The correct answer is **option 3** i.e. **230**.

Calculations:

Let the two numbers A and B be $11x$ and $8x$

According to the question;

$$7 \times 11x - 4 \times 8x = 225$$

$$77x - 32x = 225$$

$$45x = 225$$

$$x = 5$$

The two numbers A and B are 55 and 40

$$2A + 3B = 2 \times 55 + 3 \times 40$$

$$110 + 120 = 230$$

Question 70 :

The average weight of some persons in a group is the 70 kg. When 15 persons with average weight 60 kg leave the group over 15 persons with average weight 87.5 kg join the group, then the average weight of persons in the group in both the cases is equal. How many persons were there in the group, initially?

Difficulty : Moderate**Average Time : 58 Seconds****Options :****1. 35****2. 45****3. 55****4. 65****Solution :**

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

Given:

The average weight of some persons in a group is the 70 kg.



When 15 persons with average weight 60 kg leave the group over 15 persons with average weight 87.5 kg join the group. The average weight of persons in the group in both the cases is equal

Formula used:

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

Calculations:

Let the number of persons be N.

Initial total weights = 70N

According to the question,

$$(70N + 15 \times 87.5)/(N + 15) = (70N - 15 \times 60)/(N - 15)$$

$$(70N + 1312.5)(N - 15) = (70N - 900)(N + 15)$$

Solving the above equation;

$$N = (140N + 412.5)/(147.5)$$

$$147.5N = 140N + 412.5$$

$$7.5N = 412.5$$

$$N = 55$$

Question 71 :

In how much time will a sum of money double itself at 12% p.a. simple interest?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 6 years 2 months
2. 8 years 1 month
3. 6 years 4 months
4. 8 years 4 months

Solution :

The correct answer is **option 4** i.e. **8 years 4 months**.

Given:



Rate = 12%

Formula used:

$$(n - 1) = RT/100 \quad \text{----- (1)}$$

where n = times the sum of money, R = rate and T = time

Calculations:

$$(2 - 1) = (12 \times T)/100$$

$$1 = 12T/100$$

$$T = 100/12$$

$$T = 8\frac{1}{3} \text{ years or 8 years 4 months}$$

Question 72 :

$(\frac{0.2 \div \frac{1}{2} \text{ of } \frac{2}{3} - 1 \text{ times } 2 \div 2}{0.2 \text{ times } 2 \div \frac{1}{2} \text{ of } \frac{2}{3} - 2 \text{ of } \frac{1}{2} \div \frac{1}{4}})$ On simplification, the given expression gives the result as:

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. $\frac{1}{7}$
2. -1.3
3. $-\frac{2}{19}$
4. 1.3

Solution :

The correct answer is **option 1** i.e. $\frac{1}{7}$.

Concept used:

BODMAS rule

Calculations:

$$[0.2 \div ((\frac{1}{2}) \times (\frac{2}{3})) - 1 \times \frac{1}{2}] / [0.2 \times 2 \div (\frac{1}{2} \times \frac{2}{3}) - (2 \times \frac{1}{2}) \div \frac{1}{4}]$$

$$[0.2 \div (\frac{1}{3}) - 1] / [0.2 \times 2 \times 3 - 1 \times 4]$$

$$(0.6 - 1) / (1.2 - 4)$$



$$-0.4/-2.8 = 1/7$$

Question 73 :

The average of the ages of a husband and his wife was 25 years at the time of their wedding. after 7 years they have a 2 years old child. What is the average age of the family at present?

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

1. 21 years
2. 22 years
3. 29 years
4. 25 years

Solution :

The correct answer is **option 2** i.e. **22 years**.

Given:

The average of the ages of a husband and his wife was 25 years at the time of their wedding

After 7 years they have a 2 years old child

Formula used:

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

Calculations:

Sum of the ages of husband and his wife = $25 \times 2 = 50$ years

After 7 years sum of the age of the whole family = $50 + 14 + 2 = 66$

Total family members = $2 + 1 = 3$

Required average = $66/3 = 22$ years

Question 74 :

An article is sold for ₹ 452.20, after allowing three successive discounts of 20%, 30% and 5%. If a single discount of 55% is given on the marked price, then its selling price (in ₹) will be:

Difficulty : Moderate**Average Time : 61 Seconds****Options :**



425.25

2. 382.50

3. 384.75

4. 467.50

Solution :

The correct answer is **option 2** i.e. **382.50**.

Given:

An article is sold for ₹ 452.20, after allowing three successive discounts of 20%, 30% and 5%

Single discount = 55%

Calculations:

Let the marked price be x

Resultant discount after two discounts = $20 + 30 - (20 \times 30/100) = 44\%$

Final discount after three discounts = $44 + 5 - (44 \times 5/100) = 46.8\%$

$$x - x \times 46.8\% = 452.20$$

$$x \times 0.532 = 452.2$$

$$x = 850$$

Now, when 55% discount is allowed on the marked price

$$850 \times (100 - 55)\%$$

$$850 \times 45/100 = 382.5$$

Question 75 :

Divide 2310 people in three parties such that half in the first party, one-third in the second party and one-sixth in the third party are all equal.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 420, 650, 1240

2. 420, 600, 1290

$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$
 $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$
 $\frac{1}{6} + \frac{1}{12} = \frac{2}{12} + \frac{1}{12} = \frac{3}{12} = \frac{1}{4}$
 $\frac{1}{8} + \frac{1}{16} = \frac{2}{16} + \frac{1}{16} = \frac{3}{16}$
 $\frac{1}{10} + \frac{1}{20} = \frac{2}{20} + \frac{1}{20} = \frac{3}{20}$

Question 78 :

$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$
 $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$
 $\frac{1}{6} + \frac{1}{12} = \frac{2}{12} + \frac{1}{12} = \frac{3}{12} = \frac{1}{4}$
 $\frac{1}{8} + \frac{1}{16} = \frac{2}{16} + \frac{1}{16} = \frac{3}{16}$
 $\frac{1}{10} + \frac{1}{20} = \frac{2}{20} + \frac{1}{20} = \frac{3}{20}$

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$
2. $\frac{1}{4} + \frac{1}{5} = \frac{9}{20}$
3. $\frac{1}{6} + \frac{1}{12} = \frac{1}{4}$
4. $\frac{1}{8} + \frac{1}{16} = \frac{3}{16}$

Solution :

$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$
 $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$
 $\frac{1}{6} + \frac{1}{12} = \frac{2}{12} + \frac{1}{12} = \frac{3}{12} = \frac{1}{4}$
 $\frac{1}{8} + \frac{1}{16} = \frac{2}{16} + \frac{1}{16} = \frac{3}{16}$
 $\frac{1}{10} + \frac{1}{20} = \frac{2}{20} + \frac{1}{20} = \frac{3}{20}$

Comprehension :

$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$
 $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$
 $\frac{1}{6} + \frac{1}{12} = \frac{2}{12} + \frac{1}{12} = \frac{3}{12} = \frac{1}{4}$
 $\frac{1}{8} + \frac{1}{16} = \frac{2}{16} + \frac{1}{16} = \frac{3}{16}$
 $\frac{1}{10} + \frac{1}{20} = \frac{2}{20} + \frac{1}{20} = \frac{3}{20}$

Question 79 :

$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$
 $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$
 $\frac{1}{6} + \frac{1}{12} = \frac{2}{12} + \frac{1}{12} = \frac{3}{12} = \frac{1}{4}$
 $\frac{1}{8} + \frac{1}{16} = \frac{2}{16} + \frac{1}{16} = \frac{3}{16}$
 $\frac{1}{10} + \frac{1}{20} = \frac{2}{20} + \frac{1}{20} = \frac{3}{20}$



असंख्य संख्याओं में से एक संख्या का चयन करना है।

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. असंख्य संख्याओं में से एक संख्या का चयन करना है।
2. संख्याओं में से एक संख्या का चयन करना है।
3. असंख्य संख्याओं में से एक संख्या का चयन करना है।
4. संख्याओं में से एक संख्या का चयन करना है।

Solution :

असंख्य संख्याओं में से एक संख्या का चयन करना है।

असंख्य संख्याओं में से एक संख्या का चयन करना है।

Comprehension :

असंख्य संख्याओं में से एक संख्या का चयन करना है।

Question 80 :

असंख्य संख्याओं में से एक संख्या का चयन करना है।

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. संख्याओं में से एक संख्या का चयन करना है।
2. असंख्य संख्याओं में से एक संख्या का चयन करना है।
3. असंख्य संख्याओं में से एक संख्या का चयन करना है।
4. असंख्य संख्याओं में से एक संख्या का चयन करना है।

Difficulty : Moderate

Average Time : 31 Seconds

Options :

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

Solution :

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

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

Question 90 :

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

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

Difficulty : Moderate

Average Time : 28 Seconds

Options :

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

Solution :

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

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

Question 91 :

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

ଅନୁପାଳନ କରନ୍ତୁ ଏବଂ ଉତ୍ତର ଦିଅନ୍ତୁ । ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କେଉଁଟି ତାହା ଚିହ୍ନଟି କରନ୍ତୁ ।

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।
2. ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।
3. ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।
4. ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।

Solution :

ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ । ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।

ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ । ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।

Question 92 :

ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ । ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।

Difficulty : Moderate

Average Time : 29 Seconds

Options :

1. ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।
2. ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।
3. ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।
4. ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।

Solution :

ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ । ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।

ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ । ଉପରୋକ୍ତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରେ ଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟି କରନ୍ତୁ ।

Question 93 :

$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$
 $\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$
 $\frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$
 $\frac{4}{5} \times \frac{6}{7} = \frac{24}{35}$
 $\frac{5}{6} \times \frac{7}{8} = \frac{35}{48}$
 $\frac{6}{7} \times \frac{8}{9} = \frac{48}{63} = \frac{16}{21}$
 $\frac{7}{8} \times \frac{9}{10} = \frac{63}{80}$
 $\frac{8}{9} \times \frac{10}{11} = \frac{80}{99}$
 $\frac{9}{10} \times \frac{11}{12} = \frac{99}{120} = \frac{33}{40}$
 $\frac{10}{11} \times \frac{12}{13} = \frac{120}{143}$
 $\frac{11}{12} \times \frac{13}{14} = \frac{143}{168}$
 $\frac{12}{13} \times \frac{14}{15} = \frac{168}{195} = \frac{56}{65}$
 $\frac{13}{14} \times \frac{15}{16} = \frac{195}{224}$
 $\frac{14}{15} \times \frac{16}{17} = \frac{224}{255}$
 $\frac{15}{16} \times \frac{17}{18} = \frac{255}{288} = \frac{85}{96}$
 $\frac{16}{17} \times \frac{18}{19} = \frac{288}{323}$
 $\frac{17}{18} \times \frac{19}{20} = \frac{323}{360}$
 $\frac{18}{19} \times \frac{20}{21} = \frac{360}{399} = \frac{120}{133}$
 $\frac{19}{20} \times \frac{21}{22} = \frac{399}{440}$
 $\frac{20}{21} \times \frac{22}{23} = \frac{440}{483}$
 $\frac{21}{22} \times \frac{23}{24} = \frac{483}{528} = \frac{161}{176}$
 $\frac{22}{23} \times \frac{24}{25} = \frac{528}{575}$
 $\frac{23}{24} \times \frac{25}{26} = \frac{575}{624}$
 $\frac{24}{25} \times \frac{26}{27} = \frac{624}{675} = \frac{208}{225}$
 $\frac{25}{26} \times \frac{27}{28} = \frac{675}{728}$
 $\frac{26}{27} \times \frac{28}{29} = \frac{728}{783}$
 $\frac{27}{28} \times \frac{29}{30} = \frac{783}{840} = \frac{261}{280}$
 $\frac{28}{29} \times \frac{30}{31} = \frac{840}{901}$
 $\frac{29}{30} \times \frac{31}{32} = \frac{901}{960}$
 $\frac{30}{31} \times \frac{32}{33} = \frac{960}{1023} = \frac{320}{341}$
 $\frac{31}{32} \times \frac{33}{34} = \frac{1023}{1120}$
 $\frac{32}{33} \times \frac{34}{35} = \frac{1120}{1155} = \frac{320}{330} = \frac{32}{33}$

Difficulty : Moderate

Average Time : 28 Seconds

Options :

- $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$
- $\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$
- $\frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$
- $\frac{4}{5} \times \frac{6}{7} = \frac{24}{35}$

Solution :

$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$
 $\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$
 $\frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$
 $\frac{4}{5} \times \frac{6}{7} = \frac{24}{35}$
 $\frac{5}{6} \times \frac{7}{8} = \frac{35}{48}$
 $\frac{6}{7} \times \frac{8}{9} = \frac{48}{63} = \frac{16}{21}$
 $\frac{7}{8} \times \frac{9}{10} = \frac{63}{80}$
 $\frac{8}{9} \times \frac{10}{11} = \frac{80}{99}$
 $\frac{9}{10} \times \frac{11}{12} = \frac{99}{120} = \frac{33}{40}$
 $\frac{10}{11} \times \frac{12}{13} = \frac{120}{143}$
 $\frac{11}{12} \times \frac{13}{14} = \frac{143}{168}$
 $\frac{12}{13} \times \frac{14}{15} = \frac{168}{195} = \frac{56}{65}$
 $\frac{13}{14} \times \frac{15}{16} = \frac{195}{224}$
 $\frac{14}{15} \times \frac{16}{17} = \frac{224}{255}$
 $\frac{15}{16} \times \frac{17}{18} = \frac{255}{288} = \frac{85}{96}$
 $\frac{16}{17} \times \frac{18}{19} = \frac{288}{323}$
 $\frac{17}{18} \times \frac{19}{20} = \frac{323}{360}$
 $\frac{18}{19} \times \frac{20}{21} = \frac{360}{399} = \frac{120}{133}$
 $\frac{19}{20} \times \frac{21}{22} = \frac{399}{440}$
 $\frac{20}{21} \times \frac{22}{23} = \frac{440}{483}$
 $\frac{21}{22} \times \frac{23}{24} = \frac{483}{528} = \frac{161}{176}$
 $\frac{22}{23} \times \frac{24}{25} = \frac{528}{575}$
 $\frac{23}{24} \times \frac{25}{26} = \frac{575}{624}$
 $\frac{24}{25} \times \frac{26}{27} = \frac{624}{675} = \frac{208}{225}$
 $\frac{25}{26} \times \frac{27}{28} = \frac{675}{728}$
 $\frac{26}{27} \times \frac{28}{29} = \frac{728}{783}$
 $\frac{27}{28} \times \frac{29}{30} = \frac{783}{840} = \frac{261}{280}$
 $\frac{28}{29} \times \frac{30}{31} = \frac{840}{901}$
 $\frac{29}{30} \times \frac{31}{32} = \frac{901}{960}$
 $\frac{30}{31} \times \frac{32}{33} = \frac{960}{1023} = \frac{320}{341}$
 $\frac{31}{32} \times \frac{33}{34} = \frac{1023}{1120}$
 $\frac{32}{33} \times \frac{34}{35} = \frac{1120}{1155} = \frac{320}{330} = \frac{32}{33}$

Question 94 :

$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$
 $\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$
 $\frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$
 $\frac{4}{5} \times \frac{6}{7} = \frac{24}{35}$
 $\frac{5}{6} \times \frac{7}{8} = \frac{35}{48}$
 $\frac{6}{7} \times \frac{8}{9} = \frac{48}{63} = \frac{16}{21}$
 $\frac{7}{8} \times \frac{9}{10} = \frac{63}{80}$
 $\frac{8}{9} \times \frac{10}{11} = \frac{80}{99}$
 $\frac{9}{10} \times \frac{11}{12} = \frac{99}{120} = \frac{33}{40}$
 $\frac{10}{11} \times \frac{12}{13} = \frac{120}{143}$
 $\frac{11}{12} \times \frac{13}{14} = \frac{143}{168}$
 $\frac{12}{13} \times \frac{14}{15} = \frac{168}{195} = \frac{56}{65}$
 $\frac{13}{14} \times \frac{15}{16} = \frac{195}{224}$
 $\frac{14}{15} \times \frac{16}{17} = \frac{224}{255}$
 $\frac{15}{16} \times \frac{17}{18} = \frac{255}{288} = \frac{85}{96}$
 $\frac{16}{17} \times \frac{18}{19} = \frac{288}{323}$
 $\frac{17}{18} \times \frac{19}{20} = \frac{323}{360}$
 $\frac{18}{19} \times \frac{20}{21} = \frac{360}{399} = \frac{120}{133}$
 $\frac{19}{20} \times \frac{21}{22} = \frac{399}{440}$
 $\frac{20}{21} \times \frac{22}{23} = \frac{440}{483}$
 $\frac{21}{22} \times \frac{23}{24} = \frac{483}{528} = \frac{161}{176}$
 $\frac{22}{23} \times \frac{24}{25} = \frac{528}{575}$
 $\frac{23}{24} \times \frac{25}{26} = \frac{575}{624}$
 $\frac{24}{25} \times \frac{26}{27} = \frac{624}{675} = \frac{208}{225}$
 $\frac{25}{26} \times \frac{27}{28} = \frac{675}{728}$
 $\frac{26}{27} \times \frac{28}{29} = \frac{728}{783}$
 $\frac{27}{28} \times \frac{29}{30} = \frac{783}{840} = \frac{261}{280}$
 $\frac{28}{29} \times \frac{30}{31} = \frac{840}{901}$
 $\frac{29}{30} \times \frac{31}{32} = \frac{901}{960}$
 $\frac{30}{31} \times \frac{32}{33} = \frac{960}{1023} = \frac{320}{341}$
 $\frac{31}{32} \times \frac{33}{34} = \frac{1023}{1120}$
 $\frac{32}{33} \times \frac{34}{35} = \frac{1120}{1155} = \frac{320}{330} = \frac{32}{33}$

Difficulty : Moderate

Average Time : 28 Seconds

Options :

- $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$
- $\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$
- $\frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$
- $\frac{4}{5} \times \frac{6}{7} = \frac{24}{35}$

Solution :

3. $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

3. $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

4. $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

Solution :

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

Question 99 :

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

Difficulty : Moderate

Average Time : 28 Seconds

Options :

1. $\frac{1}{10}$
2. $\frac{1}{9}$
3. $\frac{1}{8}$
4. $\frac{1}{7}$

Solution :

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

Question 100 :

$\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$ $\frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{4}{5} = \frac{1}{5}$ $\frac{1}{5} \times \frac{5}{6} = \frac{1}{6}$ $\frac{1}{6} \times \frac{6}{7} = \frac{1}{7}$ $\frac{1}{7} \times \frac{7}{8} = \frac{1}{8}$ $\frac{1}{8} \times \frac{8}{9} = \frac{1}{9}$ $\frac{1}{9} \times \frac{9}{10} = \frac{1}{10}$

Difficulty : Moderate

Average Time : 29 Seconds

Options :



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

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

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

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

Solution :

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

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

Ssc Gd Constable prelims Previous Year Question Paper Analysis

The analysis of Ssc Gd Constable prelims Previous Year Question Paper held on 2021-11-25 in the Evening 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 General Awareness, 25 questions were asked from Logical Reasoning and 25 questions were asked from Hindi Language
4. 0 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





- Ratios And Proportion - 3
- 8. Mensuration - 2
- 9. Number System - 2
- 10. Profit And Loss - 5

General Awareness

- 1. NDA GK - 25

Logical Reasoning

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



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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Further Guidance on Ssc Gd Constable prelims Previous Year Question Paper

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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.

