

Q No 7

(A)

Given data:-

Total people = 100

Watch cricket = 65

Watch hockey = 40

Watch neither hockey nor cricket = 20

To Find:-

Number of people who watch both cricket and hockey = ?

Formula

$$\text{Both} = \text{Cricket} + \text{Hockey} - (\text{Total} - \text{Neither})$$

Solution:-

Number of People who watch both cricket and hockey = N

$$\text{Total who watch at least one} = 100 - 20 = 80$$

$$N = C + H - (T - N)$$

$$N = 65 + 40 - (100 - 20)$$

$$N = 65 + 40 - (80)$$

$$N = 65 + 40 - 80$$

$$\boxed{N = 25}$$

Answer:-

⇒ 25 people watch both cricket and hockey.

DAY:

DATE:

Dos and Don'ts for the General Science & Ability Paper (Q-R(B))

Hi there — you've prepared well!

Given data:-

Remember, knowing the content is one thing, but presenting it in the paper exactly as required is another. Here are a few key points to keep in mind:

1. For a 5-mark part, aim to write at least 2 and at most 3 sides of the answer sheet.

To Find:-

Often, a question has two or three parts, and the marks are divided accordingly — so address each part fairly.

2. Manage your time wisely — you have about 35 minutes per full question, which comes down to around 8 minutes for each 5-mark part. Stick to this to avoid rushing later.

Solution:-

3. Make your answers look scientific, not just theoretical. Use flowcharts and diagrams wherever they add clarity.

4. Neatness matters — keep your handwriting clean, avoid cutting or overwriting.

5. Mind your spelling and grammar — while GSA doesn't deduct marks for these, your expression leaves an impression.

6. In the ability portion, explain analytical ability questions in words. For a 5-mark part, show all steps and provide clear explanations.

⇒ By

putting width in length formula

Good luck for CSS 2026 — you're going to ace it, in sha Allah! ✨

$$l = 20 \text{ m}$$

$$\text{Volume} = l \times w \times h$$

By putting values

$$V = 20 \times 16 \times 2.5$$

$$V = 20^2 \times 16 \times 2.5$$

$$V = 32 \times 25$$

$$V = 800 \text{ m}^3$$

Answer:-

$$V = 800 \text{ m}^3$$

Q.7

(c)

Given data:-

Speed of train A = 60 km/h

Speed of train B = 40 km/h

Distance between two cities = 400 m

Both train starts at = 8:00 am

To Find:-

Time when both meet = ?

Solution:-

Relative speed $S_1 + S_2$

$$S = 60 + 40$$

$$S = 100 \text{ km/h}$$

DAY: _____

DATE: _____

$$\text{Speed} = \frac{\text{distance}}{\text{Time}}$$

$$\text{Time} = \frac{\text{distance}}{\text{Speed}}$$

By putting values:

$$T = \frac{400}{100}$$

$$T = 4 \text{ hour}$$

They meet at 8:00 + 4h

$$= 8:00 + 4h$$

$$= 12:00 \text{ noon}$$

$$T = 12:00 \text{ pm}$$

Q.7

(D)

Given data:

Let Father = F

Son = S

$$F + S = 75$$

To find:-

Current age:-?

Solution:-

Ten years later

$$F-10 = 4(S-10)$$

$$F-10 = 4S-40$$

$$F-4S = -40+10$$

$$F-4S = -30$$

$$F = -30+4S$$

$$\Rightarrow \mathbf{F = 4S-30}$$

As we know

$$F+S=75 \rightarrow (1)$$

By putting value of F in eq(1),

$$4S-30+S=75$$

$$5S-30=75$$

$$5S=75+30$$

$$5S=105$$

$$S = \frac{105}{5}$$

$$\boxed{S = 21 \text{ years}}$$

$$F+S=75$$

$$F+21=75$$

$$F=75-21$$

$$\boxed{F = 54 \text{ years}}$$

DAY: _____

DATE: _____

Answer:-

The current age of
father is **54 years** while son
is **21 years**.

Q. 8

(A)

Given data:-

ROAD coded as UDN

To Find:-

Code for LAKE = ?

Solution:-

(18) R $\xrightarrow{+3}$ U (21) = +3

(15) O $\xrightarrow{+2}$ Q (17) = +2

(1) A $\xrightarrow{+3}$ D (4) = +3

(4) D $\xrightarrow{+3}$ G (7) = +3

Apply same pattern for LAKE

(12) L $\xrightarrow{+3}$ O (15)

(1) A $\xrightarrow{+2}$ C (3)

(11) K $\xrightarrow{+3}$ N (14)

(5) E $\xrightarrow{+3}$ H (8)

Answer:-

So, **LAKE** is coded as

OCNH.

QNO8

(b)

Given data:

The son of my
sister's husband is the father
of your son.

To find:-

How the woman related to
the man = ?

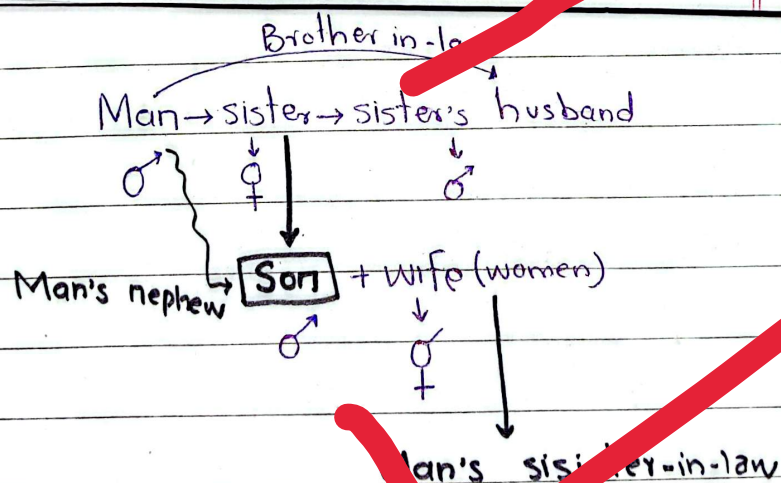
Explanation:-

Sister's husband son = nephew of

That same son father of
woman's son

Answer:-

The woman is the
niece-in-law of the man



DAY: _____

DATE: _____

Q No 8

(c)

Given data:

(i) 4, 12, 6, 18, 9, 27, —

(ii) 1, 2, 6, 24, 120, —

To find:-

Next Number = ?

(i) Pattern

$$\begin{array}{ccccccc} 4, & 12, & 6, & 18, & 9, & 27 & \\ \underbrace{} & & \underbrace{} & & \underbrace{} & & \\ 4 \times 3 = 12 & & 6 \times 3 = 18 & & 9 \times 3 = 27 & & \\ & \downarrow & & \downarrow & & & \\ & 12 \div 2 = 6 & & 18 \div 2 = 9 & & & \end{array}$$

$$4 \times 3 = 12$$

$$12 \div 2 = 6$$

$$6 \times 3 = 18$$

$$18 \div 2 = 9$$

$$9 \times 3 = 27$$

$$27 \div 2 = 13.5$$

Answer:-

(i) 4, 12, 6, 18, 9, 27, 13.5

Next number is 13.5.

(ii) 1, 2, 6, 24, 120, —

$$2 \times 2 = 2$$

$$2 \times 3 = 6$$

DAY: _____

DATE: _____

$$6 \times 4 = 24$$

$$24 \times 5 = 120$$

$$120 \times 6 = 720$$

Answer:-

(iii) 1, 2, 6, 24, 120, 720

⇒ The next number is 720.

Q No 8

(D)

Given data

(i) $P < Q$ but $P > R$

(ii) $S < T$ but $S > Q$

(iii) Shortest = 150cm

(iv) Tallest = 180cm

To find:-

Third tallest person = ?

Maximum possible range = ?

Solution:-

$$R < P < Q < S < T$$

→ Tallest = T

→ Shortest = R

→ Second tallest = S

→ Third tallest = Q

Range

$$R = 180 - 150$$

$$R = 30 \text{ cm}$$

Answer: -

 $\Rightarrow$ Third tallest = 0

$R = 30 \text{ cm}$