

Dos and Don'ts for the General Science & Ability Paper Part II

Hi there – you've prepared well! 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.

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.

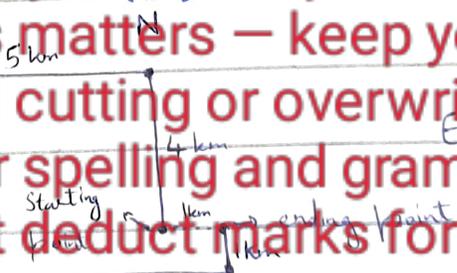
3. Make your answers look scientific, not just theoretical. Use flowcharts and diagrams wherever they add clarity.

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.

Good luck for CSS 2026 – you're going to



- Km from the place
- Direction in which I'll be running = North
- After 2nd then I'll be running in direction ~~West~~ South

4. Directions which will have a run

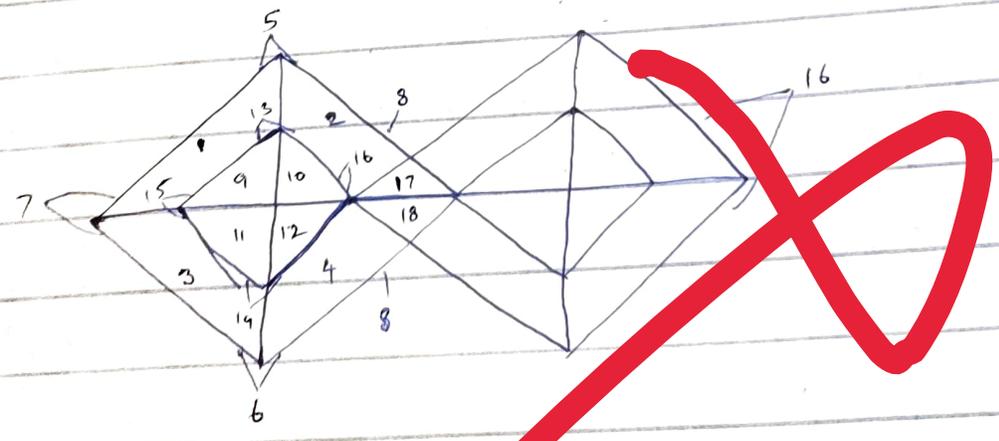


(C)

- (a) SHIRT SHIRT
- (b) COAT
- (c) BLOUSE
- (d) SKIRT
- (e) SWEATER

The odd one is the SKIRT as all other garments are upper body garments while SKIRT is a lower body garment.

(D)



So total no. of triangles in the above figure = $16 + 2 + 16 = 34$ triangles.

AC

(A)

Woman $\xrightarrow{\text{nee}}$ Granddaughter \leftarrow Daughter
of brother

Since the woman is the grandmother
of his brother's daughter, so the
woman towards which Ahsan is
pointing is his mother.



(B)

Ratio of length and Breadth = 3:2

Speed = 12 km/hr \neq 12

Time = 8 min = $\frac{8}{60}$ hr = $\frac{2}{15}$ hr

Distance = Speed \times Time

$$= \frac{12 \text{ km}}{\text{hr}} \times \frac{2 \text{ hr}}{15} = \frac{8}{5} = 1.6 \text{ km}$$
$$= 1600 \text{ m}$$

That is the Perimeter of one round.

$$P = 2(L+B)$$

Let,

$$L = 3x, \quad B = 2x$$

$$P = 2(3x + 2x)$$

$$= 2(5x)$$

$$P = 10x$$

Putting value of P;

$$10x = 1600 \text{ m}$$

$$x = 160$$

Now,

$$L = 3x = 3(160 \text{ m}) = 480 \text{ m}$$

$$B = 2x = 2(160 \text{ m}) = 320 \text{ m}$$

$$\begin{aligned} \text{Area of a rectangle} &= \text{Length} \times \text{Breadth} \\ &= 480 \text{ m} \times 320 \text{ m} \\ &= 153600 \text{ m}^2 \end{aligned}$$



(C)

- Unit digit exceeds tens digit by 2
- Product of number and sum of its digits = 144

Now,

$$\text{Let, Unit digit} = x+2$$

$$\text{Tens digit} = x$$

Then,

$$\text{Number} = 10x + (x+2) = 11x+2$$

$$\text{Sum of numbers} = x + (x+2) = 2x+2$$

According to question,

$$(11x+2)(2x+2) = 144$$

$$(11x+2) \cdot 2(x+1) = 144$$

$$(11x+2)(x+1) = \frac{144}{2} = 72$$

$$11x^2 + 11x + 2x + 2 = 72$$

$$11x^2 + 13x + 2 = 72$$

Trying, $x=2$

$$(22+2)(2+1) = 72$$

$$24 \times 3 = 72$$

So,

Tens digit = 2

Units digit = 4

~~The product~~

The required number is 24.

(D)

L.C.M of two numbers = 48

Ratio of numbers = 2:3

Let the numbers be $2x$ and $3x$

Then,

L.C.M of $2x$ and $3x = 6x$

$$6x = 48$$

$$x = \frac{48}{6} = 8$$

Now, putting values

$$2x = 16$$

$$3x = 48 - 16 = 32$$

Now, sum of numbers = $16 + 32 = 48$

10.

Section A

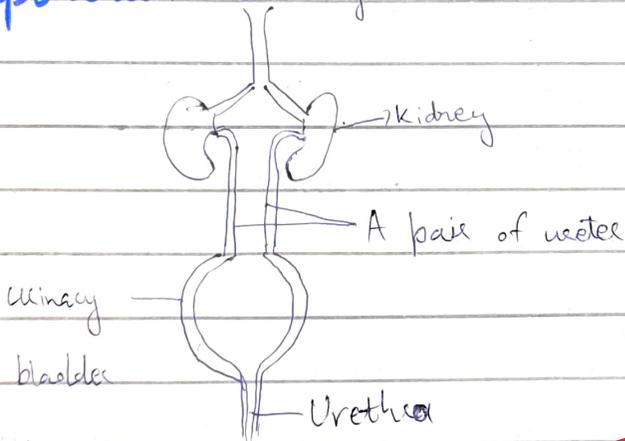
Q2

(b)

Urinary System:

The system which is responsible for the formation and removal of urine from the body is called urinary system. It is also responsible for the filtration or clearing of blood in the body (urinary system).

Components: Renal artery

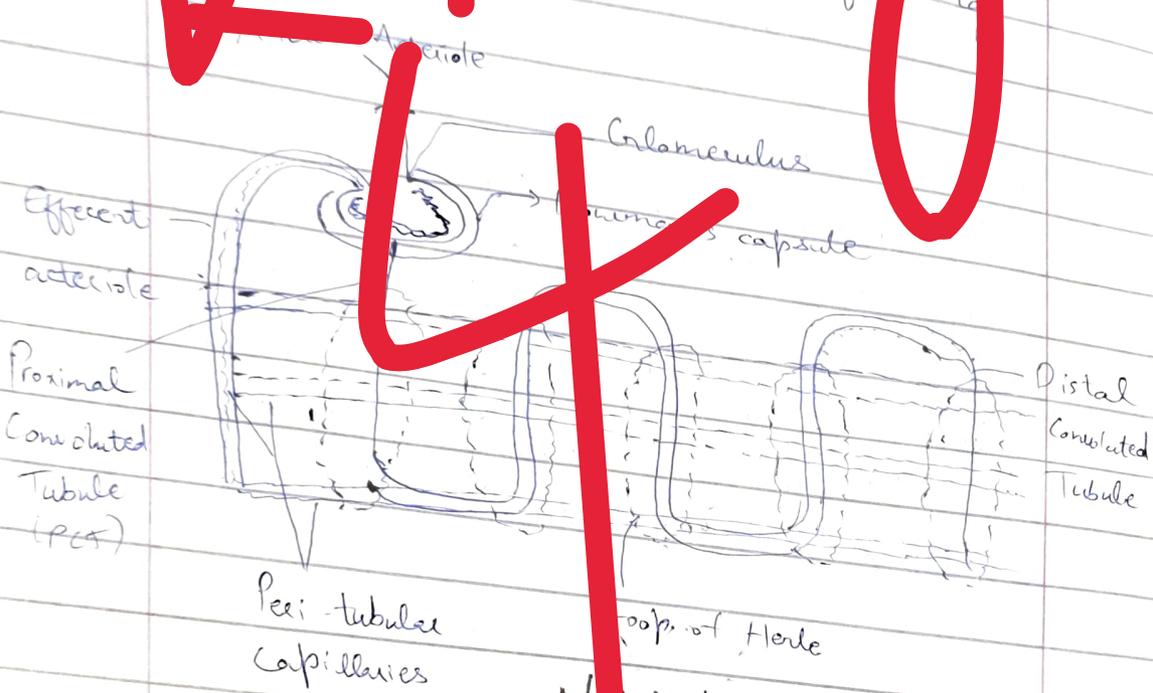


Working of a Nephron:

Nephron is the structural and functional unit of a kidney. Filtration of blood takes place in the nephrons. There are approximately 10^6

Kidney?

2 million nephrons in each kidney
 The working of a nephron is illustrated through the following diagram



* Nephron

- Afferent Arteriole - Carries blood into the nephron
- Glomerulus - Filtration of blood takes place here with the help of capillaries.
- Bowman's capsule - Supports glomerular filtrate.
- Efferent arteriole - Carries filtered blood
- Peritubular Capillaries - Reabsorption of water, salts and minerals.