

Dos and Don'ts for General Science & Ability Paper

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Hi there, you've done well. Know that acquiring knowledge is one thing and reproducing it in paper according to what's asked is another. There are a few things I would like to highlight.

(SECTION - II)

QUESTION # 6 B:

1. A 5 marks part requires at least 2 and at max 3 sides of a paper. Know that there can be two or three parts of a question and their marks are divided accordingly. So, address all of them in a just manner.

2. Focus on time management. You get 35 minutes to solve one question and about 8 minutes per 5 mark part. Manage your time accordingly.

3. You need to understand that your paper is supposed to look more scientific than theoretical. So, add flowcharts and diagrams where required.

4. Your handwriting and neatness can be really impactful. Avoid cutting and overwriting.

5. Focus on your spellings and your grammar. Here, in GSA there's no deduction in marks but your expression will definitely create an impact.

6. In ability portion, give explanation for analytical ability question in words. You need to understand that a 5 mark part requires all steps written and explained.

Good luck for CSS 2025. You're gonna rock in sha Allah. :)

Original price = 80 \$
Discount rate = 25%

Sales tax = 10%
Final price = 72

$$\text{Discount amount} = \left(\frac{\text{Original Price}}{\text{Price}} \right) \times \left(\frac{\text{Discount}}{\text{Rate}} \right)$$

$$D.A = 80 \times 0.25 = 20$$

$$\left(\frac{\text{Price after Discount}}{\text{Price}} \right) = \left(\frac{\text{Original Price}}{\text{Price}} \right) - \left(\frac{\text{Discount}}{\text{Amount}} \right)$$

$$\left(\frac{\text{Price after Discount}}{\text{Price}} \right) = \frac{80 - 20}{80} = \frac{60}{80}$$

$$\text{Sales tax} = \left(\frac{\text{Price After}}{\text{Price}} \right) \times \left(\frac{\text{Sales tax rate}}{\text{Rate}} \right)$$

$$= 60 \times 0.10 = 6$$

Date: ___/___/20

$$\text{Sales tax} = 6.8$$

$$\text{Final price} = \left[\begin{array}{l} \text{price after} \\ \text{Discount} \end{array} \right] + \left(\begin{array}{l} \text{sales} \\ \text{tax} \end{array} \right)$$

$$= 68 + 6.8$$
$$\left[\begin{array}{l} \text{Final} \\ \text{price} \end{array} \right] = 74.8$$

QUESTION NO. 6C:

$$\text{Distance} = 42 \text{ Km}$$

$$\text{avg. time} = 36 \text{ km/hr.}$$

$$\text{Travel time} = ?$$

$$\text{Travel time} = \frac{\text{Distance}}{\text{avg. time}}$$

$$= \frac{42}{36}$$

$$\text{Travel time} = 1.1667 \text{ hrs}$$

which is approximately 1 hr and 10 min.

Determine the arrive time.

Departure time = 4 pm
Arrive time = 1 hr 10 min.

which means

Arrive time = 5:10 pm

QUESTION # 6A:

$A : B : C : D = 4 : 7 : 3 : 1$
which means

$4x, 7x, 3x, x$

From the statement, we know:

$$4x = 3x + 50$$

$$4x - 3x = 50$$

$$x = 50$$

Now we can calculate the types of block.

$$4x = 50$$

$$x =$$

QUESTION # 4B:

Role of kidney in Excretion.

The kidney play a crucial role in the excretion process, which involves the removal of waste products and excess substances from the blood.

Add diagram of nephron

Functions:

1- Filtration:

Blood enters the kidneys through the renal arteries and is filtered in the nephrons, the functional units of the kidneys.

Each nephron contains a glomerulus, a network of capillaries where blood filtration begins.

2- Reabsorption:

As the filtered fluid, known as filtrate, moves through the tubules of the nephron, essential substances such as glucose, certain ions and

and water are reabsorbed back into bloodstream. This process ensures that the body retains necessary nutrients and maintains electrolyte balance.

3- Secretion:

The tubules also actively secrete additional waste products and excess ions from the blood and excess ions from the blood into the filtrate. This process helps in regulating blood pH and removing substances that are not initially filtered out by the glomerulus.

4- Excretion:

The remaining filtrate, now called urine, consists of waste products like urea, creatinine and excess ions. Urine collects in the ureters and is stored in the bladder until it is excreted from the body through the urethra.

Explain through diagrams as well