

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

SECTION - 6

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:

ANSWER OF PART - A:-

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

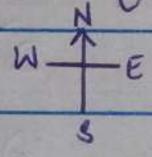
According to the given conditions, the sequence of five different houses from left to right will be as follows: So, the house will be in the middle.

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.

ANSWER OF PART - B:-

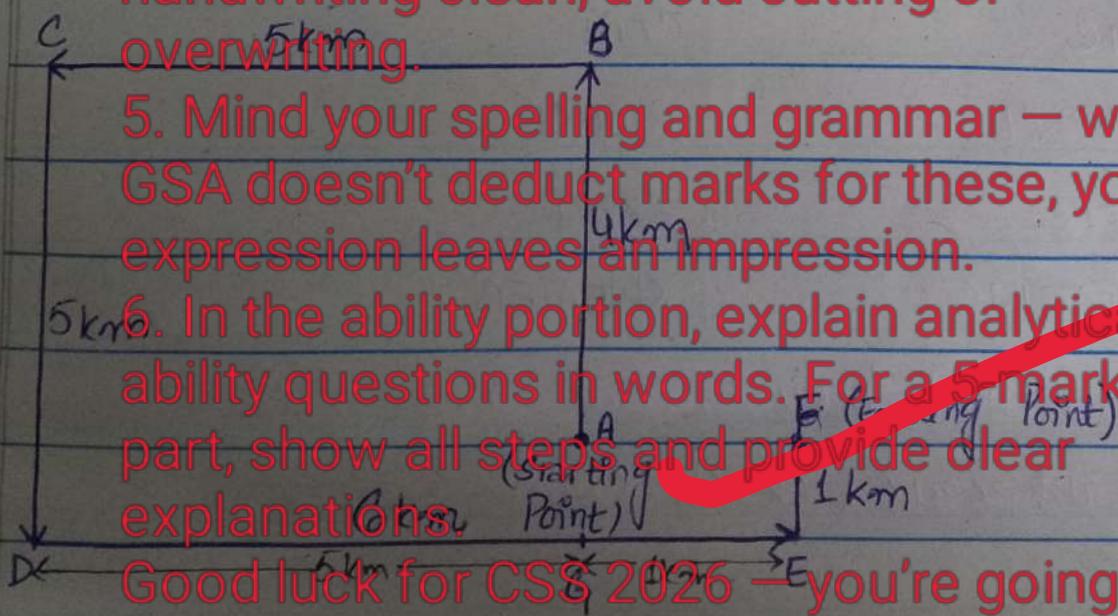
3. Make your answers look scientific, not just theoretical. Use flowcharts and diagrams wherever they add clarity. The following table can be drawn from the given information:

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 ace it, in sha Allah! ✨

- Since, \overline{CE} is equal and parallel to \overline{AF} . So, I would be 1 km from the starting point.
- While finishing, I would be running towards North.
- After taking the second turn, I would be running towards South.
- From the finishing point, if I had to reach starting point, then I would have to run towards West.

ANSWER OF PART-C :-

The correct words for these jumbled words would be as follows:

JUMBLED WORDS	CORRECT WORDS
a) THRSI	SHIRT
b) AOTC	COAT
c) EOUBSL	BLOUSE
d) KTRIS	SKIRT
e) RETAEWS	SWEATER

Since, shirt, blouse, coat and sweater covers upper body; whereas, skirt covers lower body. So,

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Skirt or 'KIRIS' is the odd one out in the given anagrams.

ANSWER OF PART-D:

Number of triangles of shape:

- a. $\triangle = 10$
- b. $\triangle = 4$
- c. $\triangle = 4$
- d. $\triangle = 10$
- e. $\triangle = 2$

So, there are total 30 triangles in the given figure.

QUESTION NO: 7

ANSWER OF PART-A:-

SOLUTION:-

Let, the first number be 'x', and the second number be 'y'; then, according to the given condition,

$$40\% \text{ of } x = \text{two-third of } y$$

(4)

$$\frac{40}{100}(x) = \frac{2}{3}(y)$$

$$\frac{4x}{10} = \frac{2y}{3}$$

$$\frac{x}{y} = \frac{2}{3} \times \frac{10^5}{4x}$$

$$\frac{x}{y} = \frac{5}{3}$$

$$x : y = 5 : 3$$

Hence,

the ratio of first number to the second number is 5 : 3.

ANSWER OF PART-C:-

SOLUTION:

Let, the present age of father be 'x', and the present age of son be 'y'; then, according to the given conditions,

$$x = y + 24 \rightarrow (1)$$

and

$$x + 2 = 2(y + 2)$$

$$x + 2 = 2y + 4$$

$$x = 2y + 4 - 2$$

$$x = 2y + 2 \rightarrow (2)$$

Equating eqn (1) and eqn (2)

$$y + 24 = 2y + 2$$

$$24 - 2 = 2y - y$$

$$22 = y$$

or $y = 22$

Hence,

the present age of son is 22 years.

ANSWER OF PART-B:-

DATA GIVEN:

Sale Price of 17 balls = Rs. 720

Loss on selling 17 balls = Cost Price of 5 balls.

REQUIRED:

Cost price of a ball = ?

SOLUTION:

Let, the cost price of a ball be 'x'.

As we know that

$$\text{Loss} = \text{C.P.} - \text{S.P.}$$

$$5x = 17x - 720$$

$$17x - 5x = 720$$

$$12x = 720$$

$$x = \frac{720}{12}$$

$x = 60$

Hence,

the cost price of a ball is Rs 60.

ANSWER OF PART-D:-

SOLUTION:

- As Rashid takes 6 hrs to type 32 pages.
 In one hour, Rashid will type = $\frac{32}{6}$ page
 In one hour, Rashid will type = $\frac{16}{3}$ pages
- Similarly,
 Kamran takes 5 hrs to type 40 pages
 In one hour, Kamran will type = $\frac{40}{5}$ pages.
 In one hour, Kamran will type = 8 pages
- If they work together,
 In one hour they type pages = $(\frac{16}{3} + 8)$ pages
 $= \frac{16}{3} + \frac{24}{3}$
 $= \frac{40}{3}$ pages.

40 Pages are typed in = 1 hr
3

$$\begin{aligned}
 110 \text{ Pages would be typed in} &= \frac{110 \text{ Pages} \times 1 \text{ hr}}{40/3 \text{ Pages}} \\
 &= \left(\frac{110 \times 3}{40} \right) \text{ hr} \\
 &= \left(\frac{110 \times 3}{40} \right) \text{ hr} \\
 &= \frac{8.25}{4} \text{ hr} \\
 &= \frac{33}{4} \text{ hr}
 \end{aligned}$$

Hence,

Working together on two different computers to type an assignment of 110 pages, Rashid and Kamran will take 8.25 hrs or 8 hrs 15 min.

SECTION-B

QUESTION NO: 4

ANSWER OF PART-A:-

ROLE OF HEART AND BLOOD VESSELS IN CIRCULATION:

Heart is a muscular organ that pumps blood. It supplies blood to all parts of the body via blood vessels.

2. Role of Heart:

Heart consists of 4 chambers: 2 atria and 2 ventricles. The right and left side of the heart is separated by septum. Heart is enclosed in 3 membranes: endocardium (inner), myocardium (middle) and pericardium (outer).

When atria contract, blood is pumped towards ventricles. When ventricle contract, the blood is pumped to the lungs and other parts of the body. Bicuspid valve between left atrium and left ventricle, and Tricuspid valve between right atrium and right ventricle prevents the back-flow of the blood. Aorta arises from left ventricle which provides oxygenated blood to all parts of the body. Deoxygenated blood is received from the body by right atrium via vena

causa. The deoxygenated blood is pumped to lung by right ventricle via pulmonary artery, whereas left atrium received oxygenated blood via pulmonary vein.

b. Role of blood vessel

Blood vessels provide passage or path for the flow of blood. The blood vessels include arteries, capillaries and veins.

ARTERIES:

Arteries are the blood vessels that carries blood from heart to body. All arteries except pulmonary artery contains oxygenated blood. The pressure of blood remains highest in arteries.

VEINS:

Veins are the blood vessels that carries blood from body back to heart. All veins except pulmonary vein contains deoxygenated blood. The pressure of blood remains comparatively low in veins.

CAPILLARIES:

Capillaries are single cell thick for facilitating efficient gaseous exchange. The pressure of blood is least in the capillaries.

ANSWER OF PART-B:-

CYCLONE:

Cyclone is a system of rotating winds around a low pressure core due to pressure gradient and Coriolis effect of spin motion of the earth.

FORMATION OF CYCLONE:

Two factors are responsible for the formation of cyclone: pressure gradient and Coriolis effect.

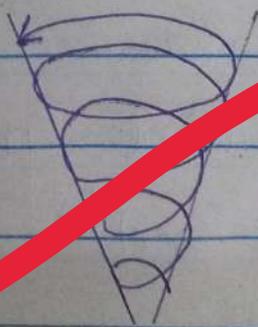
a. Pressure gradient:

The movement of air molecules from higher to lower pressure is known as pressure gradient.

b) Coriolis effect:

A force which tends to move the objects to the right in the northern hemisphere and to the left in the southern hemisphere due to spin motion of the earth.

Cyclone.



(11)

ANSWER OF PART-C:-

i) FUNCTIONS OF CARBOHYDRATES:

- Carbohydrates are the major source of energy in human body.
- Carbohydrates are essential for the proper working of human brain, human heart, kidneys, lungs etc.

ii) FUNCTIONS OF PROTEINS:

- Proteins are the source of energy, and are essential for muscle building and tissue building.
- Proteins boost up immune system, and plays role in maintaining fluid balance of the body.

iii) FUNCTIONS OF FATS:

- Fats are also the source of energy, and are essential for transport of fat-soluble vitamins.
- Fats are essential for insulation of vital organs in the body.

iv) FUNCTIONS OF CALCIUM:

- Calcium is essential for bone growth, teeth, blood clotting, muscles, and nerve functioning.

v) FUNCTIONS OF IRON:

- Iron is essential for blood (haemoglobin), heart balance, fluid balance, and proper and normal functioning of the nerves.