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

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, poor 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.

Here's a brief key/sample of your Ability questions

Q.6

a) Candy ratio problem

Given: Packets in flavors Apple : Berry : Cherry : Date = 3 : 6 : 2 : 5.

Asked: If Apple candies exceed Date candies by 35, how many Berry candies are there?

Note (consistency check): The ratio shows Apple = 3 parts and Date = 5 parts, so Date is larger than Apple in the ratio. The statement "Apple candies exceed Date candies by 35" contradicts the ratio (Apple cannot exceed Date if ratio is 3:5). Two ways to handle this:

1. If the problem truly intends Apple − Date = 35, that's impossible with the given ratio (would require negative common factor).

2. Most likely the intended meaning is Date exceeds Apple by 35 (i.e. Date − Apple = 35). I will solve that reasonable interpretation.

M T W T F S Date

Volume of Sphere = 1437.33 Cm^3

(b) Five friends total Savings = 25000 Rs.

Ratio: 1 : 2 : 3 : 4 : 5

Smallest Share = ?

Sol:-

The Smallest ratio will give the Smallest Share

ratios are 1 : 2 : 3 : 4 : 5

So, 1 will give the Smallest Share

So,

$$\text{Smallest Share}(1) = \frac{\text{Total saving} \times (\text{Share})}{\text{Total ratio}}$$

$$= \frac{25000}{1+2+3+4+5}$$

$$= \frac{25000}{15}$$

1666.6

15 | 25000

5

100

90

100

90

100

90

100

Smallest Share = 1666.66 Rs

Date:

(c) Spot error / Complete the series

i- 2, 6, 18, 54, 162, 486

$2 \times 3 = 6$

$6 \times 3 = 18$

$18 \times 3 = 54$

$54 \times 3 = 162$

$162 \times 3 = 486$

So, all the number are fit

b ii- 3, 5, 7, 11, 13, ____

all number are prime

So, the series is

3, 5, 7, 11, 13, 17

d- A triangle with sides 5cm, 12cm and 13cm. Find all angles

Soln- Check if it is a right angle triagle

$H = \sqrt{B^2 + P^2}$

$13 = \sqrt{5^2 + 12^2}$

$= \sqrt{25 + 144}$

$= \sqrt{169}$

$= \sqrt{13^2}$

$13 = 13$

So, it is a right angle triagle

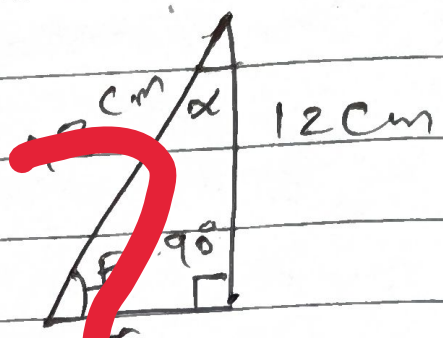
M T W T F S

Date:

$$\sin\alpha = \frac{\text{Per}}{\text{Hyp}}$$

$$\sin\alpha = \frac{12}{13}$$

$$\alpha = \sin^{-1}(12/13)$$



We know

$$\alpha + \beta + 90 = 180$$

$$\beta = 180 - 90 - \alpha$$

OR $\cos\beta = \frac{\text{base}}{\text{HYP}}$

$$= \frac{5}{13}$$

$$\beta = \cos^{-1}(5/13)$$

Q-6 (b) A Camera priced 200 $ get 25% off plus 6% tax. Calculate total amount paid

50% Discount = 25% of 200

Discount = 0.25 x 200 = 50

Discount = 50 $

price after 25% discount = 200 - 50

= 150 $

Tax 6% of 150

= 0.06 x 150

= 9 $

So, total amount Paid = 150 + 9

= 159 $

M T W T F S Date:

(c) A bicycle covers 36Km at 18Km/h starting at 1Pm, what time does it reach=?

Sol:-

Distance = 36 Km

Speed = 18Km/h

$$\text{Time taken} = \frac{\text{Distance}}{\text{speed}}$$

$$= \frac{36\ \text{km}}{18\ \frac{\text{km}}{\text{h}}}$$

$$= 2\text{h}$$

So, Starting at 1 pm, it will take 2 hours to reach

1pm + 2 hour = 3pm

So, he will reach at 3pm.

(d-) Unscramble these maths terms

i - STSTAICITS

Correct: STATISTICS

ii - GEBMAR

Correct ALGEBRA (GAMBLER)