Date
M T W

SECTION-II

Q NO 5: a. Solution:

Below 8 years of age = 20% . x x

number of students above 8 years =

$$\frac{2}{3} \times 48 = 16 \times 2 = 32$$

number of students 8 years of age = 48

Total number of students = x

$$x = 48 + 32 + x \times \frac{20}{100}$$

$$x = 48 + 32 + \frac{20x}{100}$$

$$x - \frac{20x}{100} = 48 + 32$$

$$\frac{100x - 20x}{100} = 80$$

$$100x - 20x = 80 \times 100$$

$$80x = 8,000$$

$$x = \frac{8,000}{80}$$

$$x = 100$$

Total number of students in school = x = 100 answer

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, 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

Date _____ 20___
M T W T F S S

QNO5. Solution:

Number of dice tossed = 2

Total outcomes when one dice is rolled = 6

number of prime number out comes when one dice is rolled = 3

probability that the total score is prime number = x = ?

	1	2	3	4	5	6
1	•	•		•		•
2	•		•		•	
3		•		•		
4	•		•			
5		•				•
6	•				•	

probability of outcome of total of prime number = successful outcome / Possible outcomes

successful outcome = total sum is of prime number = 15

possible outcome = 6 x 6 = 36

Probability = 15/36

= 15/36 = 5/12 answer.

Q no 5 b: solution

Father's age = $3x + x$

son's age = x

After 8 years Father's age = $\frac{5}{2}(x + 8)$

Further 8 years = ?

Father's age

$F = 3x + x$

$3x + x + 8 = \frac{5}{2}(x + 8)$

$2(4x + 8) = 5(x + 8)$

$8x + 16 = 5x + 40$

$8x - 5x = 40 - 16$

$3x = 24$

$x = 8$ years

3 ①

40

16

24

Father age $= 3x + x + 8 + 8$

$= 3(8) + 8 + 8 + 8$

$= 24 + 8 + 8 + 8$

Father's age $= \boxed{48}$

Date 20
M T W T F S S

Son's age = $x + 8 + 8$

$= 8 + 8 + 8$

son's age $= 24$

after further
8 years

Father's age times of sons age = $\frac{48}{24} \frac{2}{1}$

= 2 twice of his son's age after further 8 years.

Date 20
M T W T F S S

Q.NO5: d: Solution:

captain of team.C = 26 years
captain of team.C = 26 years
wicket keeper = 26+3 = 29 years
11 members in the team
average of 9 members = total average - 1

$$\text{Total average} = \frac{\text{sum of ages}}{\text{Number of players}}$$

2 players = 55

sum of 9 members = 9 (total average - 1)
= 9(x - 1)

$$x = \frac{55 + 9(x-1)}{11}$$

$$11x = 55 + 9x - 9$$
$$11x - 9x = 55 - 9$$
$$2x = 46$$
$$\boxed{x = 23}$$

average age of team

Date _____ 20___
M T W T F S S

Q NO7: q solution:

Two numbers = A and B

$$\frac{2}{3}\left(\frac{6}{100}\times A+\frac{8}{100}\times B\right)=\frac{5}{100}(A)+\frac{4}{100}(B)$$

$$\frac{2}{3}\left(\frac{6A}{100}+\frac{8B}{100}\right)=\left(\frac{5A}{100}+\frac{4B}{100}\right)$$

$$\frac{2}{3}\left(\frac{6A+8B)}{100}\right)=\left(\frac{5A+4B}{100}\right)$$

$$\frac{3}{3}\times\frac{2}{3}\left(\frac{6A+8B}{100}\right)=\left(\frac{5A+4B}{100}\right)\times 3$$

$$100\times\frac{12A+16B}{100}=\frac{15A+12B}{100}\times 100$$

$$12A+16B=15A+12B$$

$$12A-15A=12B-16B$$

$$-3A=-4B$$

$$3A=4B$$

$$\frac{A}{B}=\frac{4}{3}$$

A : B = 4 : 3
answer

Date
M T W T

Q no7 c. Solution

Sum of money = x = 5+2+4+3 = 14

A : B : C : D = 5 : 2 : 4 : 3

C's share = 1000 Rs + D

C's share = $\frac{4}{14}$

D's share = $\frac{3}{14}$

C - D share = $\frac{4}{14} - \frac{3}{14}$

C - D = $\frac{1}{}$

C - D = 1 difference

1 = 1000 Rs

1 → share

B = $\frac{2}{14}$

Total amount

B = $\frac{2}{14}$ x Total sum of shares

B = $\frac{2}{14} \times 14$

B = 2.

since = 2 x 1000 (one share)

B = 2000

Q NO 7 d. solution

Solution:

son's present age = x

Father's age now = 38 years

Father's age at the time of his son's birth = 38 - x

present age of son = x = 38 - x

x = 38 - x

x = 19 years

present son's age = 19 years

Five years back = 19 - 5

= 14 years.