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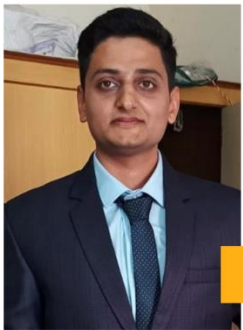
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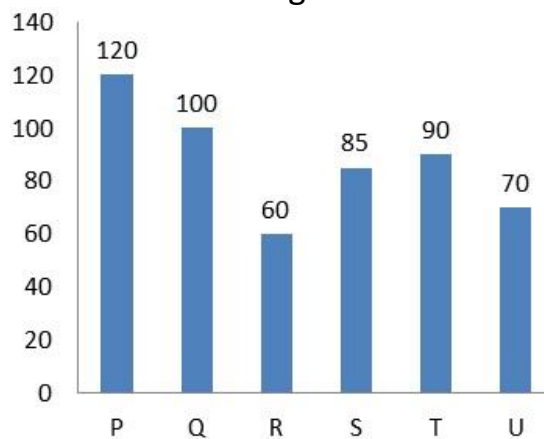


DI Bar Chart Questions for SBI Clerk Pre, IBPS Clerk Pre, LIC Assistant Pre and IBPS RRB Assistant Pre Exams.

DI Bar Chart No.76

Directions: Study the following bar chart carefully and answer the questions given beside.

Given bar graph shows the number of students passed in B.E. final year from six different colleges.



- Pass percentage of college R is equal to that of college T. Find total strength of college T is what percentage more than that of college R?
A. 34% B. 45% C. 55% D. 60% E. 50%
- If fail percentage of college U is 65% then, find number of students failed from college U is what percentage of number of students passed from college Q?
A. 120% B. 110% C. 115% D. 130% E. 140%
- If ratio between total student who passed to who failed from all colleges is 7 : 3, then find the total number of failed students from all colleges together?
A. 220 B. 255 C. 225 D. 250 E. 245
- Students passed from colleges U, T, P and Q together is how much more than that of college S and R together?
A. 234 B. 235 C. 243 D. 265 E. 225
- Failed students of college P is 15 more than that of college S. If ratio between total strength of college P to college S is 3 : 2, then find total number of failed students from both colleges together?
A. 45 B. 55 C. 35 D. 65 E. 75

Correct Answers:

1	2	3	4	5
E	D	C	B	A



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Explanations :

1.

$$\text{Pass\%} = \frac{\text{Pass students} \times 100}{\text{total students}}$$

According to the question,

Let us equate the pass percentage of college R and T.

$$\frac{60 \times 100}{R} = \frac{90 \times 100}{T}$$

$$\rightarrow \frac{T}{R} = \frac{3}{2}$$

$$\text{Reqd. \%} = \frac{(T - R) \times 100}{R} = \frac{(3 - 2) \times 100}{2} = 50\%$$

Hence, option E is correct.

2. Fail percentage in college U = 65%

Pass percentage in college U = 35% = 70

1% = 2

Failed students in college U = 65% = 130

Passed students in college Q = 100

$$\text{Reqd. \%} = \frac{130 \times 100}{100} = 130\%$$

Hence, option D is correct.

3. Total passed students from all the colleges together = 70 + 90 + 5 + 60 + 100 + 120 = 525

The given ratio between passed and failed students = 7 : 3

7 corresponds to 525

$$3 \text{ will correspond to } = 525 \times \frac{3}{7} = 225$$

Hence, option C is correct.

4. Students passed from colleges U, T, P and Q = $70 + 90 + 120 + 100 = 380$

Students passed from colleges S and R = $85 + 60 = 145$

Required difference = $380 - 145 = 235$

Hence, option B is correct.

5. Passed students in college P = 120

Passed students in college S = 85

Failed students in college in college P = 15 + failed students in college S.

Total students in college P/total students in college S = $3/2$

Let us denote failed students in college P and S by PF and SF

Total strength of college P = $120 + 15 + SF$

$$\frac{120 + 15 + SF}{85 + SF} = \frac{3}{2}$$

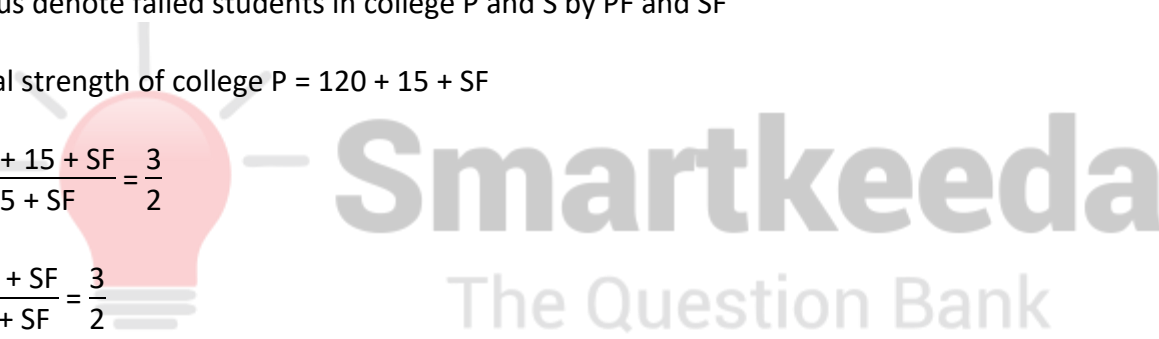
$$\frac{135 + SF}{85 + SF} = \frac{3}{2}$$

$$SF = 270 - 255 = 15$$

$$PF = 15 + 15 = 30$$

$$\text{Total failed students} = 15 + 30 = 45$$

Hence, option A is correct.





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