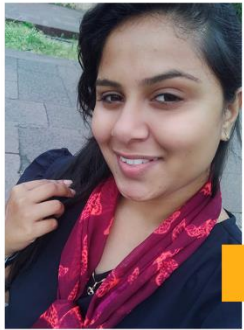




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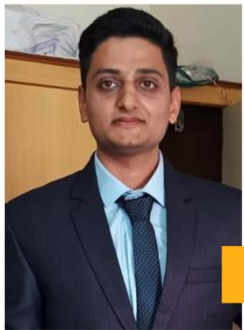
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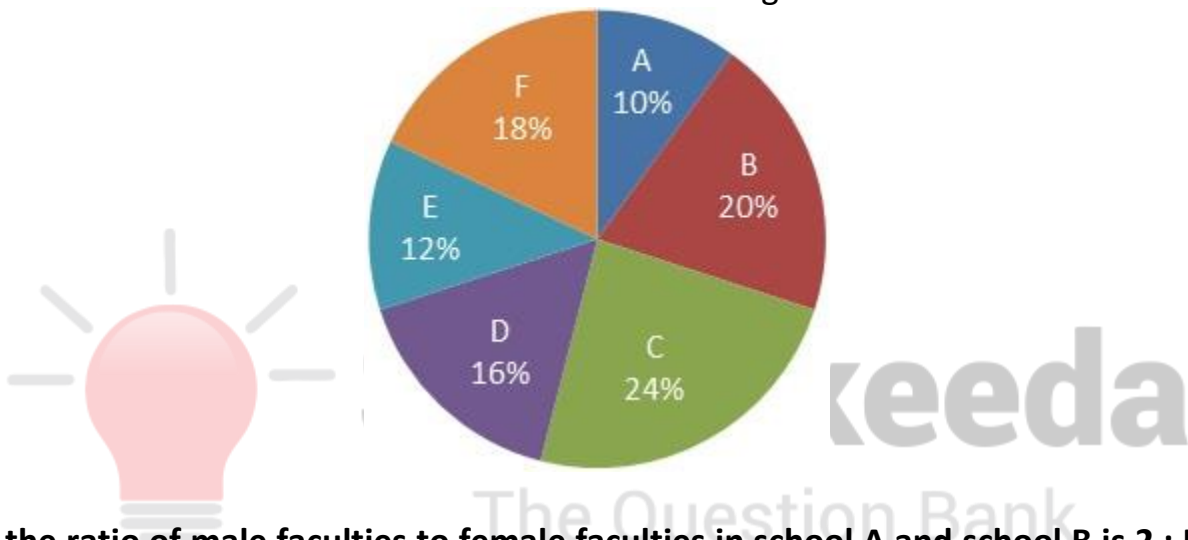
# DI Pie Chart Questions for SBI Clerk Pre, IBPS Clerk Pre, IBPS RRB Assistant Pre and LIC Assistant Pre Exams.

## DI Pie Chart No. 68

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

Pie chart given below shows the percentage distribution of total number of male faculties in six different schools.

Total male faculties in all schools together = 8400



- 1. If the ratio of male faculties to female faculties in school A and school B is 2 : 5 and 4 : 3 respectively. Then find the difference of total female faculties in school A and school B?**  
A. 420                      B. 840                      C. 640                      D. 530                      E. 620
- 2. If total number of faculties in school F is 1820. Then female faculties in school F are what percentage more/less than total male faculties in school B?**  
A. 78.67%                      B. 83.67%                      C. 81.67%                      D. 84.67%                      E. 79.67%
- 3. What is the average of total number of male faculties in school A, C and F?**  
A. 1256                      B. 1346                      C. 1546                      D. 1456                      E. 1686
- 4. If total number of faculties in school A is 1340. The number of female faculties in school B is 80 more than female faculties in school A. Calculate female faculties in school B is what percentage of male faculties in school A?**  
A. 69.04%                      B. 59.04%                      C. 56.04%                      D. 45.04%                      E. 66.04%

5. The number of female faculties in schools A and B both is 20% more than male faculties. The number of female faculties in school C is 50% more than male faculties. Then calculate total number of female faculties in school A, B and C?

A. 6054

B. 6078

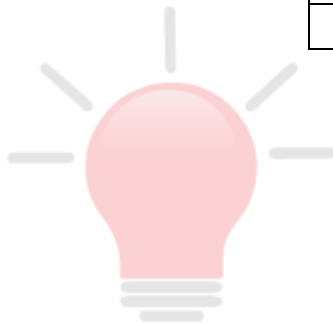
C. 6068

D. 6058

E. 6048

Correct Answers:

1	2	3	4	5
B	C	D	A	E



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## Explanations :

1. Let us take percentage as number of male faculties for faster calculation.

School A : Male = ratio 2 corresponds to 10

Ratio 5 will correspond =  $\frac{10 \times 5}{2} = 25$  i.e., females faculties

School B : Male = ratio 4 corresponds to 20

Ratio 3 will correspond =  $\frac{20 \times 3}{4} = 15$  i.e., female faculties

Difference = between total female faculties in school A and B =  $25 - 15 = 10\%$  of  $8400 = 840$

Hence, option B is correct.

2. School F : Male faculties =  $18 \times 84 = 1512$

Female faculties =  $1820 - 1512 = 308$

School B : Male faculties =  $20 \times 84 = 1680$

Reqd. % =  $\frac{\{1680 - 308\} \times 100}{1680} = 81.67\%$

Hence, option C is correct.

3. Total number of male faculties in school A, C and F =  $\{10 + 24 + 18\} \times 84 = 52 \times 84$

Reqd. average =  $\frac{52 \times 84}{3} = 1456$

Hence, option D is correct.



4. School A : total faculties = 1340

Male faculties =  $10 \times 84 = 840$

Female faculties =  $1340 - 840 = 500$

Female faculties in school B =  $500 + 80 = 580$

Reqd. % =  $\frac{580 \times 100}{840} = 69.04\%$

Hence, option A is correct.

5. School A: Male faculties =  $10 \times 84 = 840$

Female faculties =  $840(1.2) = 1008$

School B : Male faculties =  $20 \times 84 = 1680$

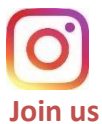
Female faculties =  $1680(1.2) = 2016$

School C : Male faculties =  $24 \times 84 = 2016$

Female faculties =  $2016(1.5) = 3024$

Total female faculties in school A, B and C =  $1008 + 2016 + 3024 = 6048$

Hence, option E is correct.





Presents

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