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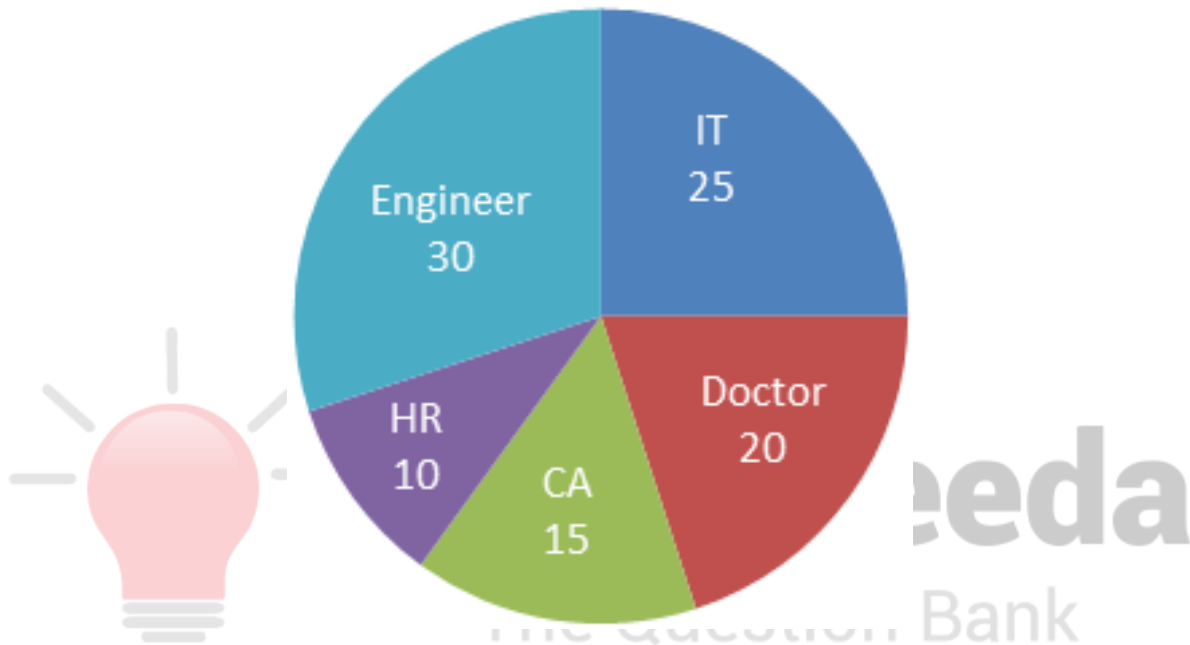
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# DI Pie Chart Questions for SBI Clerk Mains, IBPS Clerk Mains, SBI PO Pre and IBPS PO Pre Exams.

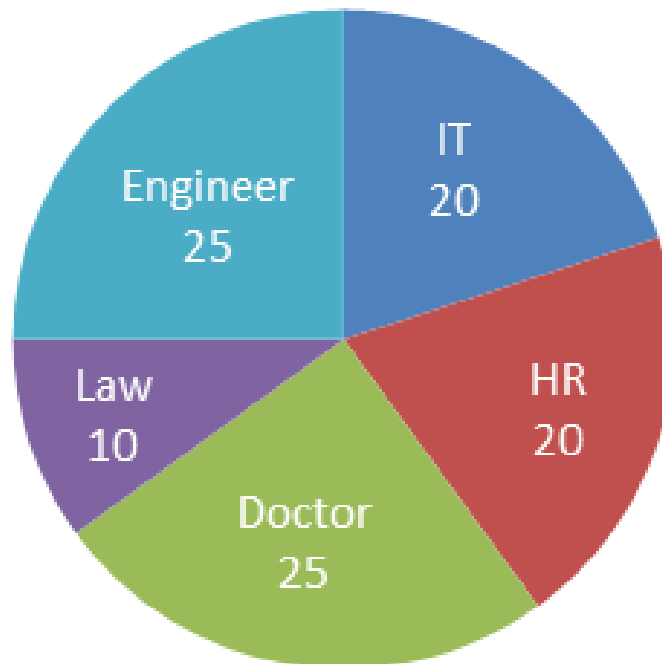
## DI Pie Chart No. 59

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

Percentage of Male job seekers 'dream profile'



Percentage of Female job seekers 'dream profile'



**Note:** The ratio of male job seekers to female job seekers is 3 : 2.

1. If the total number of male job seekers whose dream profile is HR is 54000, then what is the total number of job seekers(male + female)?

- A. 750000      B. 810000      C. 90000      D. 900000      E. None of these

2. If the total number of female job seekers whose dream profile is IT is 75000, then the total number of female job seekers whose dream profile is Law is what percentage less than the total number of male job seekers whose dream profile is IT?

- A. 73.33%      B. 39.09%      C. 67.20%      D. 51.19%      E. 79.00%

3. If 60% of female doctor job seekers equals 2160, then find the sum of female job seekers whose dream profile is HR and the number of male job seekers whose dream profile is IT?

- A. 8100      B. 8280      C. 6500      D. 7135      E. None of these

4. If 80% of male job seekers whose dream profile is CA is 2400, then what is the ratio of 40% of the male job seekers whose dream profile is Engineer to 60% of the female job seekers whose dream profile is Law?

- A. 1 : 1      B. 4 : 5      C. 1 : 3      D. 3 : 1      E. None of these

5. If the total number of male job seekers whose dream profile is Engineer is 14400, then what is the difference between total number of male job seekers whose dream profile is IT and the total number of female job seekers whose dream profile is HR?

- A. 5600      B. 6400      C. 7300      D. 8100      E. None of these

6. If the total number of male job seekers whose dream profile is Doctor is 3000, then what is the average number of total job seekers (average of males and females) whose dream profile are Engineer and IT?

- A. 5375      B. 6345      C. 6375      D. 7375      E. None of these

**Correct Answers:**

1	2	3	4	5	6
D	A	B	D	A	C

## Explanations :

1.

$$\text{Total male} = \frac{54000 \times 100}{10} = 540000$$

$$\text{Total female} = \frac{540000 \times 2}{3} = 360000$$

$$\text{Total} = (360000 + 540000) = 900000$$

Hence, option D is correct.

2. Total number of female job seekers whose dream profile is IT = 75000

$$\text{Total number of female job seekers} = \frac{75000}{20} \times 100 = 375000$$

$$\text{Total number of female job seekers whose dream profile is Law} = \frac{375000}{10} \times 100 = 37500$$

$$\text{Total number of male job seekers} = 375000 \times \frac{3}{2} = 562500$$

$$\text{Total number of male job seekers whose dream profile is IT} = 562500 \times \frac{25}{100} = 140625$$

$$\text{Reqd. \%} = \frac{140625 - 37500}{140625} \times 100 = 73.33\%$$

Hence, option A is correct.

3.

$$\text{Total Female Doctor Aspirants} = \frac{2160}{60} \times 100 = 3600$$

$$\text{Total job seekers in female} = \frac{3600}{25} \times 100 = 14400$$

$$\text{Female HR} = \text{Total job seekers in female} \times \frac{20}{100} = \frac{14400}{5} = 2880$$

$$\text{Total number of job seekers in male} = 14400 \times \frac{3}{2} = 21600$$

$$\text{Male IT job seekers} = 21600 \times \frac{25}{100} = 5400$$

$$\text{Required sum} = (2880 + 5400) = 8280$$

Hence, option B is correct.

4. 80% of CA = 2400

Total CA = 3000

$$40\% \text{ of engineer} = \frac{(3000/15) \times 30 \times 40}{100} = 2400$$

$$60\% \text{ of female law} = \frac{3000}{15} \times 100 \times \frac{2}{3} \times \frac{10}{100} \times \frac{60}{100} = 800$$

Required ratio = 2400 : 800 = 3 : 1

Hence, option D is correct.

5.

$$\text{Male IT} = \frac{14400}{30} \times 100 \times \frac{25}{100} = 12000$$

$$\text{Female HR} = \frac{14400}{30} \times 100 \times \frac{2}{3} \times \frac{20}{100} = 6400$$

$$\text{Required difference} = (12000 - 6400) = 5600$$

Hence, option A is correct.

6. 20% of male doctor job seekers = 3000

$$\text{Total male} = \frac{3000}{20} \times 100 = 15000$$

Male : female = 3 : 2

$$\text{Female} = 15000 \times \frac{2}{3} = 10000$$

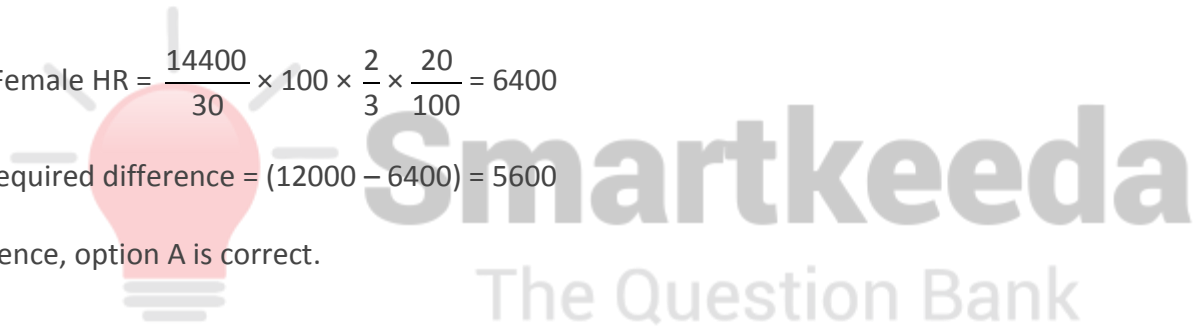
$$\text{Male (30 + 25)} = \frac{15000 \times 55}{100} = 8250$$

$$\text{Female (25 + 20)} = 45$$

$$10000 \times \frac{45}{100} = 4500$$

$$\text{Total average} = \frac{8250 + 4500}{2} = 6375$$

Hence, option C is correct.





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