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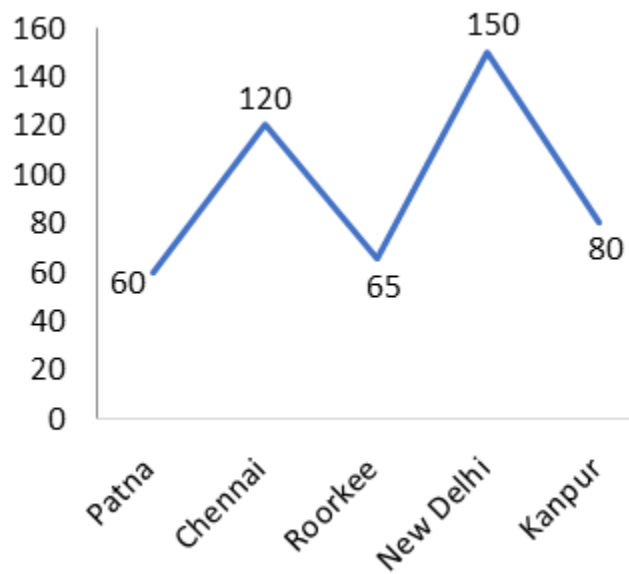
Date Interpretation Mixed Chart Questions Quiz for SBI Clerk Pre and IBPS Clerk Pre Exams.

DI Mixed Chart Quiz 48

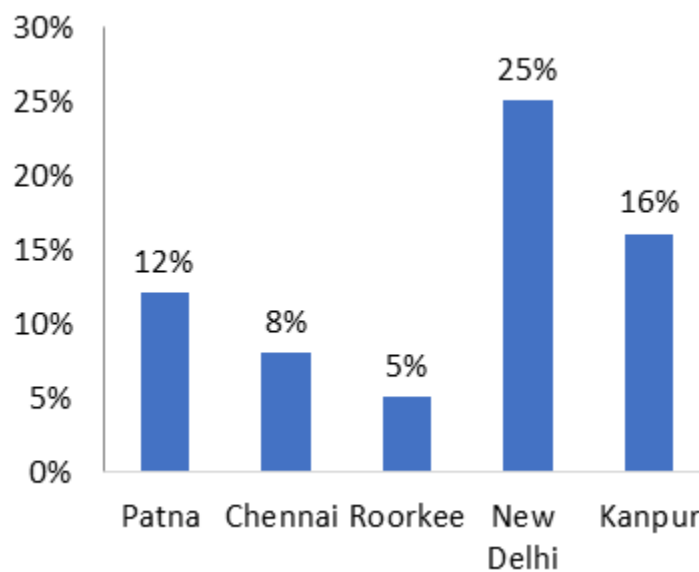
Directions : Study the following line & bar chart carefully and answer the questions given beside.

The line graph given below gives the information about the number of graduates hired by Tata Motors in five different IITs. The bar graph given below gives the information about the percentage of total graduates placed in Tata Motors from the respective IITs.

The number of graduates hired by Tata Motors



The percentage of graduates placed in Tata motors



1. The number of graduates who didn't get placed in Tata Motors, of IIT Roorkee was how many more than that of IIT Patna?

- A. 785 B. 795 C. 800 D. 675 E. None of these

2. In IIT New Delhi, the ratio of male graduates to female graduates was 5 : 3 respectively. If total of 30 female graduates from that college get placed in Tata Motor then what percentage of the total number of male graduates get placed in Tata Motors?

- A. 28% B. 30% C. 35% D. 32% E. None of these

3. In all the five IITs together, the number of female graduates is 40% of the total number of graduates then what is the total number of male graduates?

- A. 2640 B. 2520 C. 2880 D. 2760 E. None of these

4. What is the total number of graduates from all the five IITs together got placed in Tata Motors?

- A. 480 B. 465 C. 475 D. 485 E. None of these

5. In IIT Patna, 10% of the total number of female graduates get placed in Tata Motors which formed 40% of the total number of graduates got placed from IIT Patna in Tata Motors then what was the total number of male graduates in IIT Patna?

- A. 224 B. 230 C. 250 D. 260 E. None of these

Correct Answers:

1	2	3	4	5
B	D	A	C	D

Explanations:

1. In IIT Roorkee, 5% of the total number of graduates = 65

$$100\% \text{ of the total number of graduates} = \frac{65 \times 100}{5} = 1300$$

The number of graduates who didn't get placed in Tata Motors = $1300 - 65 = 1235$

In IIT Patna, 12% of the total number of graduates = 60

$$100\% \text{ of the total number of graduates} = \frac{60 \times 100}{12} = 500$$

The number of graduates who didn't get placed in Tata Motors = $500 - 60 = 440$

The required difference = $1235 - 440 = 795$

Hence, option B is correct.

2. In IIT New Delhi, The total number of graduates

$$= \frac{150 \times 100}{25} = 600$$

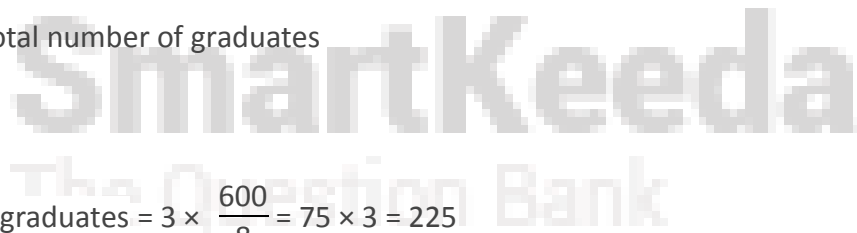
The number of female graduates = $3 \times \frac{600}{8} = 75 \times 3 = 225$

The number of male graduates = $600 - 225 = 375$

The number of male graduates get placed = $150 - 30 = 120$

$$\text{The reqd. \%} = \frac{120 \times 100}{375} = 32\%$$

Hence, option D is correct.



3. In IIT Patna,

In IIT Patna, 12% of the total number of graduates = 60

$$100\% \text{ of the total number of graduates} = \frac{60 \times 100}{12} = 500$$

$$\text{In IIT Chennai, the total number of graduates} = \frac{120 \times 100}{8} = 1500$$

$$\text{In IIT Roorkee, the total number of graduates} = \frac{65 \times 100}{5} = 1300$$

$$\text{In IIT New Delhi, the total number of graduates} = \frac{150 \times 100}{25} = 600$$

$$\text{In IIT Kanpur, the total number of graduates} = \frac{80 \times 100}{16} = 500$$

the total number of graduates = $500 + 1500 + 1300 + 600 + 500 = 4400$

The total number of male graduates = $(100 - 40)\%$ of $4400 = 60\%$ of $4400 = 2640$

Hence, option A is correct.

4. The required answer = $60 + 120 + 65 + 150 + 80 = 475$

Hence, option C is correct.

5. In IIT Patna, 40% of $60 = 24$

It means, 24 female graduates got placed which was 10% of the total number of female graduates

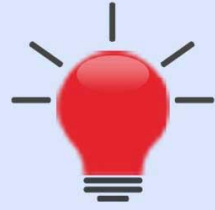
The total number of female graduates = $24 \times 10 = 240$

In IIT Patna, 12% of the total number of graduates = 60

$$100\% \text{ of the total number of graduates} = \frac{60 \times 100}{12} = 500$$

The required answer = $500 - 240 = 260$

Hence, option D is correct.



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