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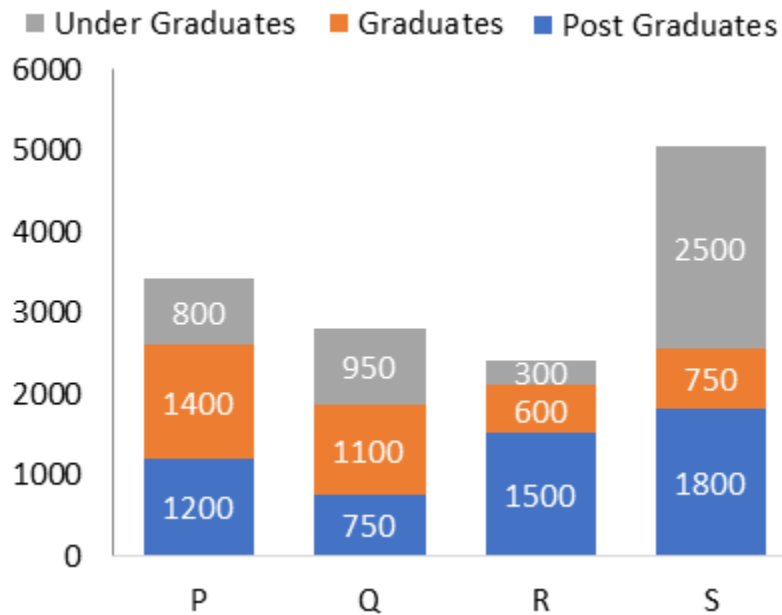
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Date Interpretation Bar Graph Questions for IBPS PO Pre, RRB Scale I Pre, SBI PO Pre, IBPS Clerk Mains, IBPS SO Pre, Canara Bank PO, Syndicate Bank PO and SBI Clerk Mains Exams.

DI Bar Chart Quiz 50

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

The following bar graph gives the information about the number of post graduates, graduates, and under graduates employed in various banks P, Q, R, and S.



1. The difference between graduates and undergraduates employed in the bank R forms what percentage of the total number of people employed in that bank?

- A. 15% B. 25% C. 12.5% D. 10.25% E. None of these

2. What is the average number of post graduates employed in all the banks together?

- A. 1285.5 B. 1302.5 C. 1312.5 D. 1325.5 E. None of these

3. The number of under graduates employed in all the banks together is how much more than the number of graduates employed in all the banks together?

- A. 650 B. 750 C. 600 D. 700 E. None of these

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4. If the number of post graduates employed, increased by 10% in each bank and the number of under graduates employed, increased by 20% in each bank then what will be the difference between the sum of the number of post graduates and under graduates of all the banks together after increasing its number and, the total number of graduates employed in all the given banks together?

- A. 7465 B. 7385 C. 7275 D. 7365 E. None of these

5. In the bank P, the number of post graduates increased by 15%, the number of graduates was increased by 12% and, the number of under graduates was increased by 33% then what will be the increase in the total number of employees in that bank?

- A. 4012 B. 724 C. 722 D. 612 E. None of these

Correct Answers:

| | | | | |
|----------|----------|----------|----------|----------|
| 1 | 2 | 3 | 4 | 5 |
| C | C | D | B | D |

Explanations:

1. The difference between graduates and undergraduates employed in the bank R = $600 - 300 = 300$

The total number of people employed in the bank R = $300 + 600 + 1500 = 2400$

$$\text{The reqd. \%} = \frac{300 \times 100}{2400} = \frac{100}{8} = 12.5\%$$

Hence, option C is correct.

2. The sum of the number of post graduates employed in all the banks together = $1200 + 750 + 1500 + 1800 = 5250$

$$\text{The reqd. average} = \frac{5250}{4} = 1312.5$$

Hence, option C is correct.

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3. The number of under graduates employed in all the banks together = $800 + 950 + 300 + 2500 = 4550$

The number of graduates employed in all the banks together = $1400 + 1100 + 600 + 750 = 3850$

The required difference = $4550 - 3850 = 700$

Hence, option D is correct.

4. If the number of post graduates employed, increased by 10% in each bank then the sum will also increase by 10%

The sum of the number of post graduates employed in all the banks together = $1200 + 750 + 1500 + 1800 = 5250$

The new sum after it was increased by 10% in each bank = $(100 + 10)\%$ of $5250 = 110\%$ of 5250

$$= 110 \times \frac{5250}{100} = 11 \times 525 = 5775$$

Similarly, if the number of under graduates employed, increased by 20% in each bank then the sum will also increase by 20%

The number of under graduates employed in all the banks together = $800 + 950 + 300 + 2500 = 4550$

The new sum after it was increased by 20% in each bank = $(100 + 20)\%$ of $4550 = 120\%$ of 4550

$$= 120 \times \frac{4550}{100} = 12 \times 455 = 5460$$

the sum of the number of post graduates and under graduates of all the banks together after increasing its number = $5775 + 5460 = 11235$

the number of graduates employed in all the banks together = $1400 + 1100 + 600 + 750 = 3850$

The required difference = $11235 - 3850 = 7385$

Hence, option B is correct.

5. In the bank P, the number of post graduates = 1200

The number of graduates = 1400

The number of under graduates = 800

The new number of employees in that bank = 115% of $1200 + 112\%$ of $1400 + 133\%$ of $800 = 1380 + 1568 + 1064 = 4012$

The required increase = $4012 - (1200 + 1400 + 800) = 612$

Hence, option D is correct.



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