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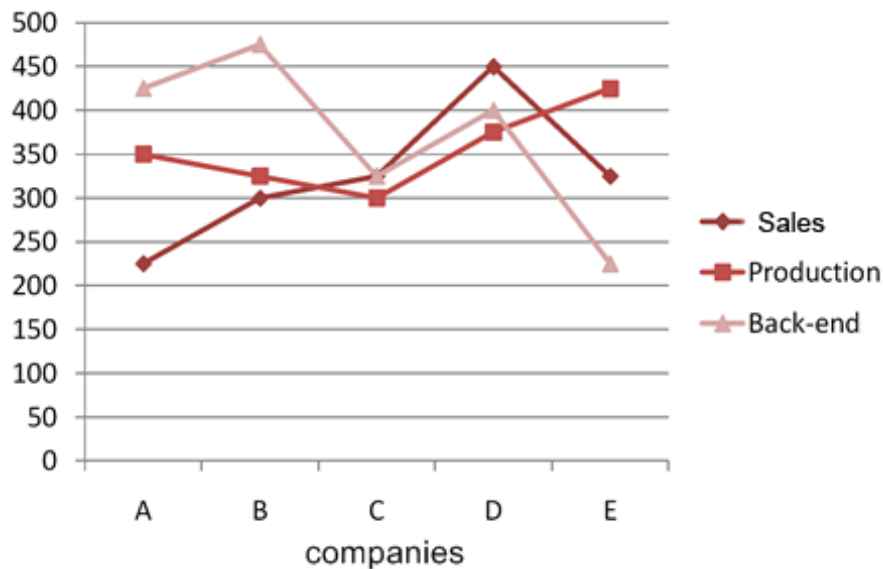
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Date Interpretation Line Chart Questions for Bank PO Pre and Clerk Mains Exams.

DI Line Chart Quiz 14

Direction : Study the following line graph carefully to answer the questions that follow.

Number of employees working in three different departments in five different companies.



1. Number of employees working in Production department in company D is approximately what per cent of the total number of employees working in Production department in all the companies together?

- A. 21% B. 25% C. 18% D. 14% E. None of these

2. What is the difference between the average number of employees working in Production department and the average number of employees working in Sales department in all the companies taken together?

- A. 50 B. 25 C. 30 D. None of these E. 65

3. What is the respective ratio of total number of employees working in Back-end in the companies C and E together with those who are working in Sales in the same companies together?

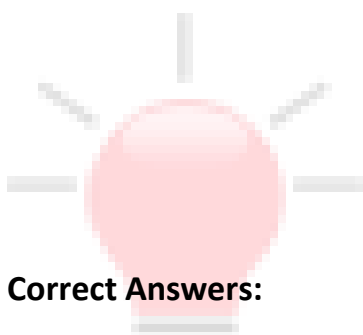
- A. 11 : 23 B. 11 : 13 C. 24 : 23 D. 13 : 27 E. None of these

4. What is the respective ratio of total number of employees working in Sales and Back-end departments in all the companies together?

- A. 74 : 69 B. 65 : 74 C. 72 : 74 D. 27 : 29 E. None of these

5. Number of employees working in company B is what per cent of the total number of employees working in company A and D together?

- A. 48.26% B. 42.29% C. None of these D. 49.43% E. 51.43%



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Correct Answers:

1	2	3	4	5
A	C	B	B	D

Explanations:

1. Number of employees working in Production department in company D = 375

Total number of employees working in Production department in all the companies together

$$= (350 + 325 + 300 + 375 + 425) = 1775$$

$$\therefore \text{Reqd. \%} = \frac{375}{1775} \times 100 = 21.12 \approx 21\%$$

Hence, option A is correct.

2. Total number of employees working in Production in all the companies together

$$= 350 + 325 + 300 + 375 + 425 = 1775$$

Total number of employees working in Sales in all the companies together

$$= 225 + 300 + 325 + 450 + 325 = 1625$$

$$\text{The difference} = 1775 - 1625 = 150$$

$$\text{Therefore, the required average difference} = \frac{150}{5} = 30$$

$$\therefore \text{Required difference} = 355 - 325 = 30$$

Hence, option C is correct.

3. Total no. of employees working in Back-end in the companies C and E together = $325 + 225 = 550$

Total no. of employees working in Sales in the companies C and E together = $325 + 325 = 650$

$$\therefore \text{Required ratio} = 550 : 650 = 11 : 13$$

Hence, option B is correct.

4. Total number of employees working in Sales department = $225 + 300 + 325 + 450 + 325 = 1625$

Total number of employees working in Back-end department = $425 + 475 + 325 + 400 + 225 = 1850$

$$\text{Therefore, required ratio} = 1625 : 1850 = 65 : 74$$

Hence, option B is correct.

5. Number of employees working in company B = $300 + 325 + 475 = 1100$

Number of employees working in company A and D together

$$= (225 + 350 + 425) + (375 + 400 + 450) = (1000 + 1225) = 2225$$

$$\therefore \text{Reqd. \%} = \frac{1100}{2225} \times 100 = 49.43\%$$

Hence, option D is correct.



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