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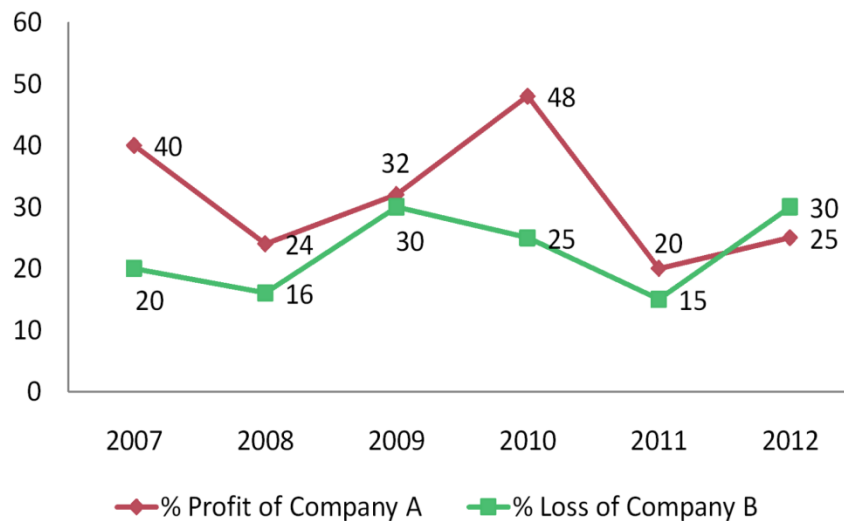
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Date Interpretation Line Chart Questions for Bank PO Exams.

DI Line Chart Quiz 10

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

The following line graph shows the percentage profit of company A and the percentage loss of company B over the years.



1. If the expenditures of Company A and B are equal in the year 2008, and they are 75 lakh each, what is the difference between the income of Company A and the income of Company B in that year?

- A. 24 lakh B. 30 lakh C. 36 lakh D. 40 lakh E. 44 lakh

2. If the incomes of company A in the year 2007 and 2011 are equal and they are Rs. 84 lakh each, what is the difference between its expenditures in the year 2011 and 2007?

- A. 10 lakh B. 12 lakh C. 14 lakh D. 16 lakh E. 16 lakh

3. If the expenditure of Company A in the year 2012 and Company B in the year 2010 are equal, what is the ratio of the income of Company B in year 2010 to the income of Company A in year 2010?

- A. 1 : 1 B. 2 : 5 C. 3 : 5 D. 4 : 5 E. None of these

4. What is the percentage increase in the percentage profit of Company A from year 2008 to 2009?

- A. 6% B. 20% C. 24% D. 25% E. 33.33%

5. If the expenditure of Company A in the year 2008 and 2010 are Rs. 55 lakh and Rs. 35 lakh respectively then what is the profit of Company A in the year 2008 and 2010 together?

A. Rs 24 lakh

B. Rs 28 lakh

C. Rs 30 lakh

D. Rs 32 lakh

E. Rs 36 lakh

Correct Answers:

1	2	3	4	5
B	A	C	E	C

Explanations:

1.

$$\text{Income}_A = 75 + 75 \times \frac{124}{100} = 93 \text{ lakh}$$

$$\text{Income}_B = 75 - 75 \times \frac{16}{100} = 63 \text{ lakh}$$

$$\therefore \text{Difference} = 93 - 63 = 30 \text{ lakh}$$

Hence, option B is correct.

2.

$$\text{Expenditure}_{2007} = 84 \times \frac{100}{140} = 60 \text{ lakh}$$

$$\text{Expenditure}_{2006} = 84 \times \frac{100}{120} = 70 \text{ lakh}$$

$$\therefore \text{Difference} = 70 - 60 = 10 \text{ lakh}$$

Hence, option A is correct.

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3. Let their Expenditure be x each.

$$\text{Income}_A = x \times \frac{125}{100} = \frac{5x}{4}$$

$$\text{Income}_B = x \times \frac{75}{100} = \frac{3x}{4}$$

$$\therefore \text{Ratio} = \frac{3x}{4} \times \frac{4}{5x} = \frac{3}{5} = 3 : 5$$

Hence, option C is correct.

4.

$$\text{Reqd. \%} = \frac{32 - 24}{24} \times 100$$

$$= \frac{800}{24}$$

$$= 33.33\%$$

Hence, option E is correct.

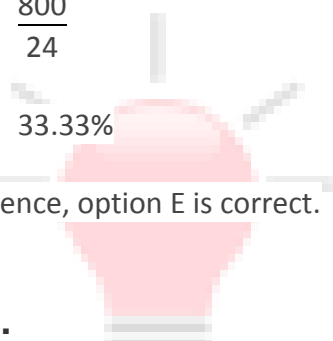
5.

$$\text{Profit of } A_{2008} = 55 \times \frac{24}{100} = 13.2 \text{ lakh}$$

$$\text{Profit of } A_{2010} = 35 \times \frac{48}{100} = 16.8 \text{ lakh}$$

$$\therefore \text{Total profit} = 13.2 + 16.8 = 30 \text{ lakh}$$

Hence, option C is correct.



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