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

DI Table Chart Quiz 11

Direction: Study the following table carefully and answer the questions based on it.

The following table shows the expenditure (in Rs. crore) of three companies A, B and C and the percentage profit of these companies in different years.

Year	Company A		Company B		Company C	
	Expenditure	% Profit	Expenditure	% Profit	Expenditure	% Profit
2007	17.8	16.2%	16.5	18.5%	26	20.5%
2008	19.6	24.5%	17.4	18%	27.5	30%
2009	21.0	19%	20.5	21.8%	24.3	28.4%
2010	20.4	34.8%	23	25%	22.5	22%
2011	21.5	30%	22.6	28%	25.4	21.5%
2012	23.2	31.5%	24.8	27.5%	29.75	20%

1. What is the income (in rupee) of Company C in the year 2011?

- A. Rs. 25.461 crore B. Rs. 19.312 crore C. Rs. 30.861 crore D. Rs. 32.612 crore E. None of these

2. What is the difference between the profits of Company A and Company B in the year 2012?

- A. Rs. 42.4 lakh B. Rs. 48.8 lakh C. Rs. 51.4 lakh D. Rs. 56.2 lakh E. Rs. 57.5 lakh

3. The expenditure of Company A in the year 2007 and 2012 together is approximately what percent of the expenditure of Company C in the year 2008 and 2010 together?

- A. 64% B. 72% C. 78% D. 82% E. 86%

4. The percentage profit of Company C in the year 2009 is approximately what per cent more or less than the percentage profit of Company A in the year 2007?

- A. 72% B. 75% C. 78% D. 81% E. 89%

5. The income of Company B in the year 2010 is approximately what percent of the expenditure of Company A in the year 2009?

- A. 112% B. 123% C. 137% D. 142% E. 148%

Correct Answers:

1	2	3	4	5
C	B	D	B	C

Explanations:

1. Income = Expenditure + Expenditure \times Profit%

$$\text{Therefore, Income of Company } C_{2011} = 25.4 + 25.4 \times \frac{21.5}{100}$$

$$= 25.4 + 5.461 = \text{Rs } 30.861 \text{ crore}$$

Hence, option C is correct.

2.

$$\text{Profit of Company } A_{2012} = 23.2 \times \frac{31.5}{100} = 7.308$$

$$\text{Profit of Company } B_{2012} = 24.8 \times \frac{27.5}{100} = 6.82$$

$$\therefore \text{Difference} = 7.308 - 6.820 = 0.488 \text{ crore} = 48.8 \text{ lakh.}$$

Hence, option B is correct.

3. Expenditure of Company $A_{(2007 + 2012)} = 17.8 + 23.2 = 41$ crore

Expenditure of Company $C_{(2008 + 2010)} = 27.5 + 22.5 = 50$ crore

$$\text{Reqd. \%} = \frac{41}{50} \times 100 = 82\%$$

Hence, option D is correct.

4. % profit of Company $C_{2009} = 28.4\%$

% profit of Company $C_{2007} = 16.2\%$

$$\therefore \text{Reqd. \%} = \frac{28.4 - 16.2}{16.2} \times 100$$

$$= \frac{12.2}{16.2} \times 100 = 75.3\% = 75\%$$

Hence, option B is correct.

5. Income = Expenditure + Expenditure \times Profit%

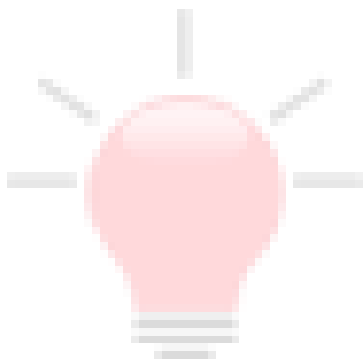
$$\text{Therefore, Income of Company B}_{2010} = 23 + 23 \times \frac{25}{100}$$

$$= 23 + 5.75 = 28.75 \text{ crore}$$

Expenditure of Company A₂₀₀₉ = 21 crore

$$\therefore \text{Reqd. \%} = \frac{28.75}{21} \times 100 = 136.9 \approx 137\%$$

Hence, option C is correct.



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