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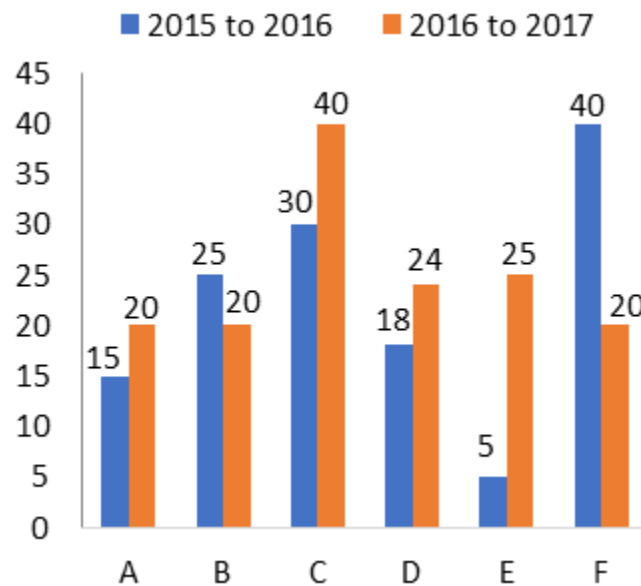
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Date Interpretation Mixed Chart Questions Quiz for LIC AAO, SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Mixed Chart Quiz 47

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

The following bar chart gives the information about the percentage increase in turnover of six different companies from 2015 to 2016 and from 2016 to 2017



The following table chart gives the partial information about the actual turnover (In crores) of these companies in three different years.

Companies/Year	2015	2016	2017
A	-----	-----	1800
B	1200	-----	-----
C	-----	850	-----
D	950	-----	-----
E	-----	-----	1700
F	-----	650	-----

1. What is the difference between the actual turnover of company A in 2016 and the actual turnover of company F in 2017?

- A. Rs. 780 crores B. Rs. 720 crores C. Rs. 750 crores D. Rs. 740 crores E. None of these

2. Find the respective ratio of the actual turnover of company A and B in 2016?

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

3. The actual turnover of company F in 2015 is approximately what percent of the actual turnover of company E in 2015?

- A. 32.55% B. 33.45% C. 38.65% D. 35.85% E. None of these

4. Find the sum of the turnover of company B in three different years?

- A. Rs. 4500 crores B. Rs. 4400 crores C. Rs. 4200 crores D. Rs. 4600 crores E. None of these

5. The actual turnover of company C in 2015 is approximately what percent less than the actual turnover of company E in 2015?

- A. 52.5% B. 49.5% C. 40.5% D. 60.5% E. None of these

Correct Answers:

1	2	3	4	5
B	A	D	A	B

Explanations:

1. The actual turnover of company A in 2017 = 1800

Let in 2016, it was x then 120% of x = 1800

$$x = \frac{1800 \times 100}{120} = 1500$$

The actual turnover of company F in 2016 = 650

Therefore, the actual turnover of Company F in 2017 = 120% of 650 = 780

The required difference = 1500 – 780 = 720 crores

Hence, option B is correct.

2. The actual turnover of company A in 2016

$$= \frac{1800 \times 100}{120} = 1500$$

The actual turnover of company B in 2016 = 125% of 1200 = 1500

The required ratio = 1 : 1

Hence, option A is correct.

3. Let the turnover of company F in 2015 = x

Then, 140% of x = 650,

$$x = \frac{650 \times 100}{140} = \frac{3250}{7}$$

Let the turnover of company E in 2015 = y then, (105% of y) of 125% = 1700

$$Y \times \frac{105}{100} \times \frac{125}{100} = 1700$$

$$Y = \frac{1700 \times 16}{21}$$

$$\text{The reqd. \%} = \frac{(3250/7) \times 100}{(1700 \times 16/21)}$$

$$= \frac{3250 \times 3}{17 \times 16} = \text{approximately } 35.85\%$$

Hence, option D is correct.

4. The turnover of company B in 2015 = 1200

The turnover of company B in 2016 = 125% of 1200 = 1500

The turnover of company B in 2017 = 120% of 1500 = 1800

The required sum = 1200 + 1500 + 1800 = Rs. 4500 crores

Hence, option A is correct.

5. Let the actual turnover of company C in 2015 = x

Then, 130% of x = 850

$$x = \frac{850 \times 100}{130} = \frac{8500}{13}$$

= approximately 653.85 crores

Let the turnover of company E in 2015 = y then, (105% of y) of 125% = 1700

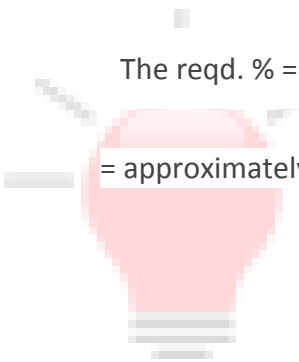
$$y \times \frac{105}{100} \times \frac{125}{100} = 1700$$

$$y = \frac{1700 \times 16}{21} = \frac{27200}{21}$$

= approximately 1295.24 crores

$$\text{The reqd. \%} = \frac{(1295.24 - 653.85) \times 100}{1295.24}$$

= approximately 49.5% Hence, option B is correct.



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