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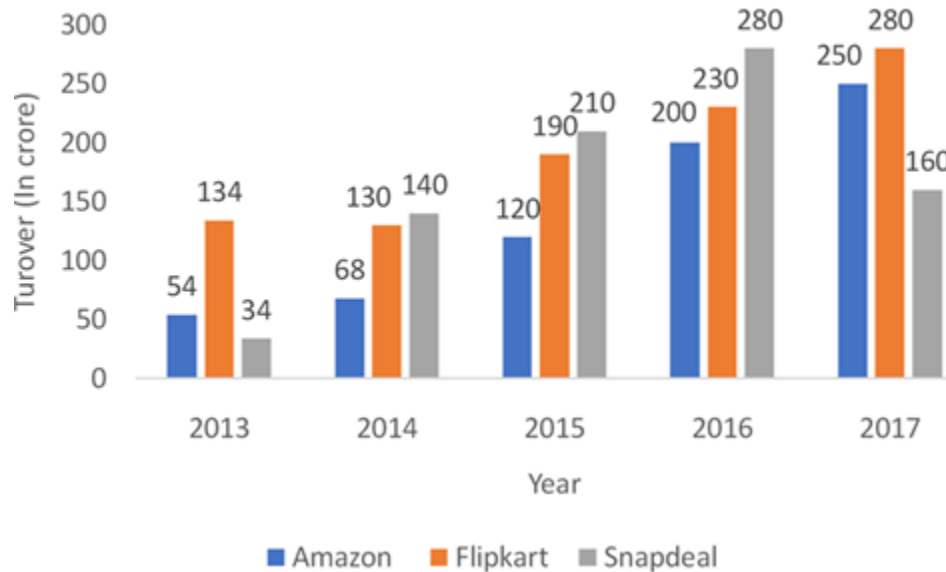
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Date Interpretation Bar Graph Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Bar Chart Quiz 37

Directions: Study the graph carefully and answer the following questions.

The following bar graph gives the information about the turnover (In crores) of top three e-commerce companies of India, for the five years from 2013 to 2017.



$$\text{A company's Market Share in one particular year} = \frac{\text{Company's turnover in that year}}{\text{Turnover of all the companies in that year}} \times 100\%$$

1. In which year was the percentage increase in the turnover of Amazon over the previous year was second highest?

- A. 2013 B. 2014 C. 2015 D. 2016 E. 2017

2. During which year was the lowest market share in the term of percentage recorded by Flipkart?

- A. 2013 B. 2014 C. 2015 D. 2016 E. 2017

3. What is the highest market share in the term of percentage recorded by any of the following company in the given year?

- A. 41.42% B. 39.43% C. 60.98% D. 40.57% E. None of the above

4. By what percent is the average annual turnover of Flipkart during the given five years more/less than that of average annual turnover of Amazon during the given five years?

- A. More than 39.31% B. Less than 39.31% C. More than 41.21% D. Less than 41.21%
E. More than 40.41%

5. By what percent is the average annual turnover of Snapdeal during the given five years more/less than its turnover in 2017?

- A. More than 3.25% B. Less than 3.25% C. More than 3% D. Less than 3%
E. More than 3.10%

Correct Answers:

1	2	3	4	5
D	D	A	A	C

Explanations:

1. In 2014, percentage increase over the year 2013

$$= \frac{68 - 54}{54} \times 100 = 25.93\%$$

In 2015, percentage increase over the year 2014

$$= \frac{120 - 68}{68} \times 100 = 76.47\%$$

In 2016, percentage increase over the year 2015

$$= \frac{200 - 120}{120} \times 100 = 66.67\%$$

In 2017, percentage increase over the year 2016

$$= \frac{250 - 200}{200} \times 100 = 25\%$$

It is second highest in 2016.

Hence, option (D) is correct.

2. In 2013, the total turnover by all the three companies = $54 + 134 + 34 = 222$

$$\text{Share of Flipkart} = \frac{134}{222} \times 100 = 60.36\%$$

In 2014, the total turnover by all the three companies = $68 + 130 + 140 = 338$

$$\text{Share of Flipkart} = \frac{130}{338} \times 100 = 38.46\%$$

In 2015, the total turnover by all the three companies = $120 + 190 + 210 = 520$

$$\text{Share of Flipkart} = \frac{190}{520} \times 100 = 36.53\%$$

In 2016, the total turnover by all the three companies = $200 + 230 + 280 = 710$

$$\text{Share of Flipkart} = \frac{230}{710} \times 100 = 32.39\%$$

In 2017, the total turnover by all the three companies = $250 + 280 + 160 = 690$

$$\text{Share of Flipkart} = \frac{280}{690} \times 100 = 40.57\%$$

It is lowest in 2016.

Hence, option (D) is correct.

3. In 2013, the total turnover by all the three companies = $54 + 134 + 34 = 222$

$$\text{Highest market share is of Flipkart that is} = \frac{134}{222} \times 100 = 60.36\%$$

In 2014, the total turnover by all the three companies = $68 + 130 + 140 = 338$

$$\text{Highest market share is of Snapdeal that is} = \frac{140}{338} \times 100 = 41.42\%$$

In 2015, the total turnover by all the three companies = $120 + 190 + 210 = 520$

$$\text{Highest market share is of Snapdeal that is} = \frac{210}{420} \times 100 = 50\%$$

In 2016, the total turnover by all the three companies = $200 + 230 + 280 = 710$

$$\text{Highest market share is of Snapdeal that is} = \frac{280}{710} \times 100 = 39.43\%$$

In 2017, the total turnover by all the three companies = $250 + 280 + 160 = 690$

$$\text{Highest market share is of Flipkart that is} = \frac{280}{690} \times 100 = 40.57\%$$

Highest market share is of Flipkart that is 60.36%

Hence, option (A) is correct.

4. Sum of the total turnover of Flipkart during the given five years = $134 + 130 + 190 + 230 + 280 = 964$

$$\text{Average} = \frac{964}{5} = 192.8$$

Sum of the total turnover of Amazon during the given five years = $54 + 68 + 120 + 200 + 250 = 692$

$$\text{Average} = \frac{692}{5} = 138.4$$

$$\text{Reqd. \%} = \frac{192.8 - 138.4}{138.4} \times 100 = +39.31\%$$

Hence, option A is correct,

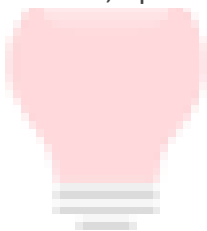
5. Sum of the total turnover of Snapdeal during the given five years = $34 + 140 + 210 + 280 + 160 = 824$

$$\text{Average} = 164.8$$

Turnover of Snapdeal in 2017 = 160

$$\text{Reqd. \%} = \frac{164.8 - 160}{160} \times 100 = 3\%$$

Hence, option C is correct.



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