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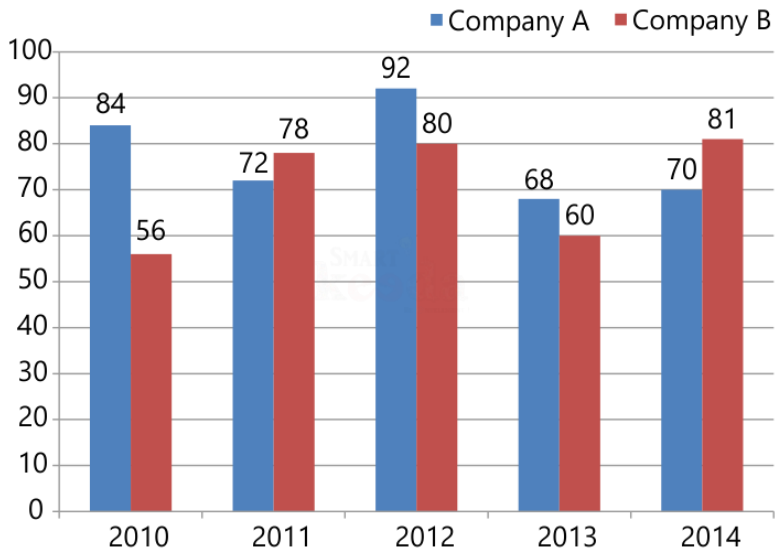
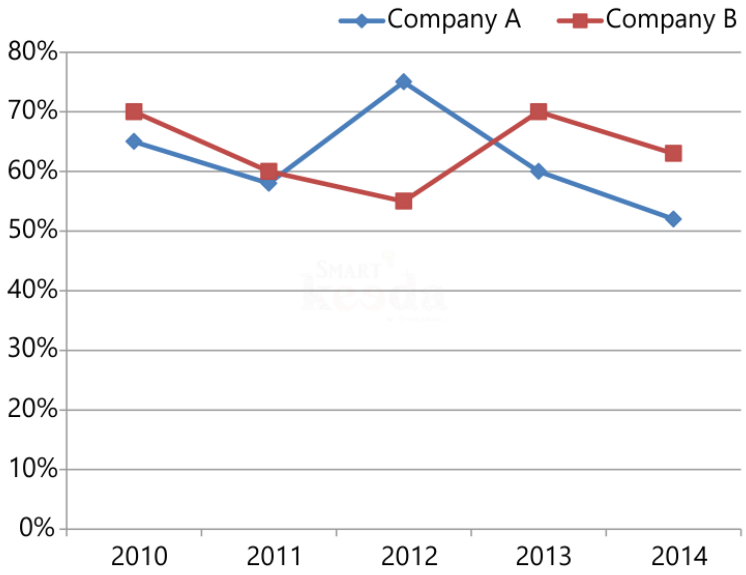
Date Interpretation Mixed Chart Questions Quiz for Bank PO Exams.

Data Interpretation Mixed Chart Quiz 5

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

The following bar chart shows the production (in thousands) of motorcycles by two companies A and B from 2010 to 2014 and the line graph shows the percentage sale of these companies in respective years.





1. What is the total number of motorcycles sold by Company A and Company B together in 2010?

A. 91200 B. 92700 C. 93800 D. 94500 E. 95600

2. What is ratio of the total number of motorcycles sold by Company B in 2011 to that sold by Company A in 2013?

A. 27 : 23 B. 31 : 29 C. 37 : 33 D. 39 : 34 E. None of these

3. The total no. of motorcycles sold by Company A in 2014 is approximately what per cent of that produced by Company B in that year?

A. 36% B. 45% C. 54% D. 62% E. None of these

4. What is the average number of motorcycle sold by Company B in the given five years?

A. 39645 B. 41315 C. 42408 D. 43255 E. 44606

5. What is the approximate percentage rise/fall in the sale of Company A from 2011 to 2012?

A. 63.5% B. 65% C. 67.8% D. 69.4% E. None of these

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Correct Answers:

1	2	3	4	5
C	D	B	E	B

Explanations:

1.

Total sale of A = $84000 \times \frac{65}{100} = 54600$

Total sale of B = $56000 \times \frac{70}{100} = 39200$

Total sale of A and B = 54600 + 39200 = 93800.

Hence, option C is correct.

2.

Sale of B in 2011 = $78000 \times \frac{60}{100} = 780 \times 60$

Sale of A in 2013 = $68000 \times \frac{60}{100} = 680 \times 60$

$\therefore$ Ratio = $\frac{780}{680} = \frac{39}{34} = 39 : 34.$

Hence, option D is correct.

3.

Sale of A = $70000 \times \frac{52}{100} = 36400$

Total no. of motorcycles produced by B = 81000

Reqd. % = $\frac{36400}{81000} \times 100 = 44.938 \approx 45\%$

Hence, option B is correct.

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4.

Total no. of motorcycle sold by B = $56k \times \frac{70}{100} + 78k \times \frac{60}{100} + 80k \times \frac{55}{100} + 60k \times \frac{70}{100} + 81K \times \frac{63}{100}$

= 39200 + 46800 + 44000 + 42000 + 51030 = 223030

So, Average of motorcycles sold by Company B = $\frac{223030}{5} = 44606.$

Hence, option E is correct

5.

Total value of A in 2011 = $72000 \times \frac{58}{100} = 41760$

Total value of A in 2012 = $92000 \times \frac{75}{100} = 69000$

$\therefore$ Rise % = $\frac{69000 - 41760}{41760} \times 100 = \frac{27240 \times 100}{41760} = 65.229 \approx 65\%$

Hence, option B is correct.

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