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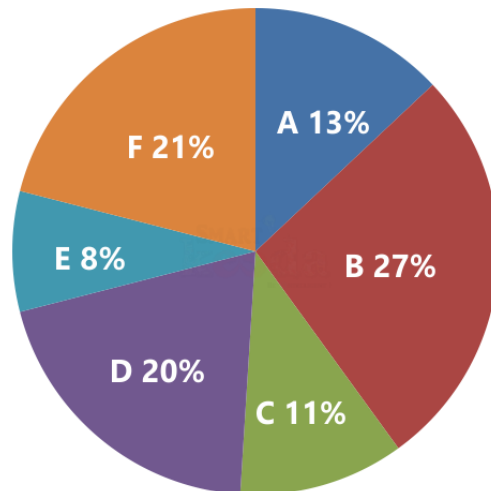
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# Date Interpretation Mixed Chart Questions Quiz for Bank PO Exams.

## Data Interpretation Mixed Chart Quiz 6

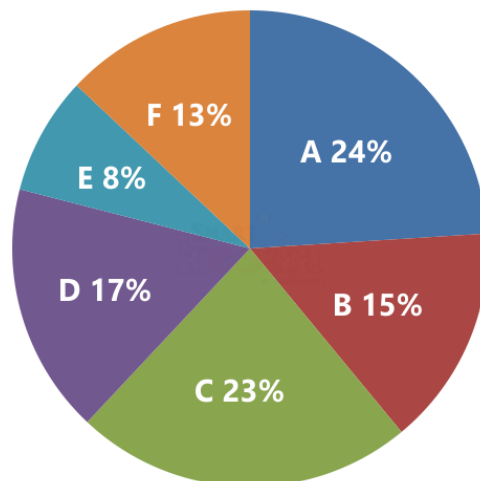
**Direction: Study the following table carefully and answer the questions based on it.**

The following pie-charts show the percentage distribution of total selected candidates in an entrance examination from six different cities during the year 2013 and 2014 and the table shows the ratio of male to female candidates among the selected candidates.



**Year 2013**

**Total selection = 19000**



**Year 2014**

**Total selection = 23000**

City	2013	2014
	Male : Female	Male : Female
A	8 : 5	5 : 7
B	11 : 8	12 : 11
C	7 : 4	15 : 8
D	2 : 3	8 : 9
E	5 : 3	1 : 3
F	13 : 8	5 : 8

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?

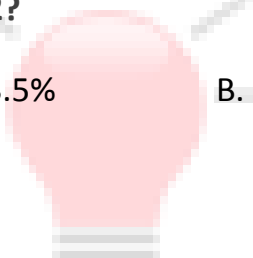
- A. 36%                      B. 45%                      C. 54%                      D. 62%                      E. None of these

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:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
C	D	B	E	B

**Explanations:**

**1.**

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

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

$$\text{Total sale of A and B} = 54600 + 39200 = 93800.$$

Hence, option C is correct.

2.

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

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

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

Hence, option D is correct.

3.

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

Total no. of motorcycles produced by B = 81000

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

Hence, option B is correct.

4.

$$\begin{aligned} \text{Total no. of motorcycle sold by B} &= 56k \times \frac{70}{100} + 78k \times \frac{60}{100} + 80k \times \frac{55}{100} + 60k \times \frac{70}{100} + 81K \times \frac{63}{100} \\ &= 39200 + 46800 + 44000 + 42000 + 51030 = 223030 \end{aligned}$$

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

Hence, option E is correct

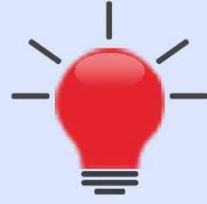
5.

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

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

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

Hence, option B is correct.



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