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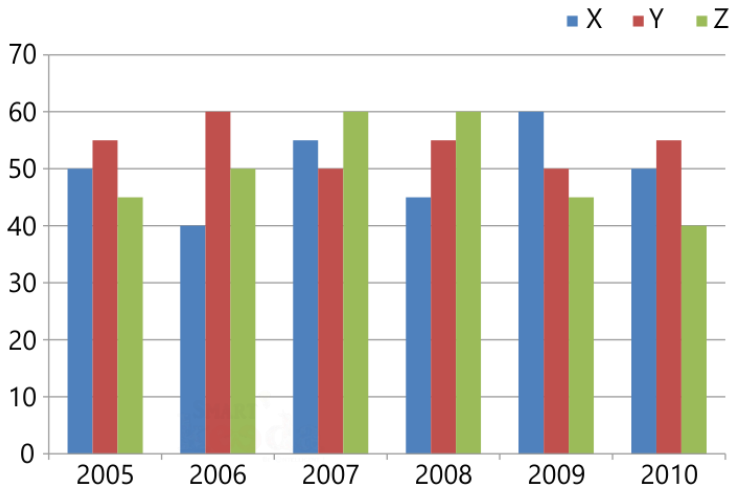
Date Interpretation Bar Graph Questions for Bank Exams.

DI Bar Chart Quiz 16

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

A soft drink company prepares drinks of three different flavours X, Y and Z. The production of three flavours over a period of six years has been expressed in the bar graph provided below.

Production of three different flavours X, Y and Z by a company over the years (in lakh bottles)



1. The total production of flavor Z in 2007 and 2008 is what per cent of the total production of flavor X in 2005 and 2006?

A. 96.67% B. 102.25% C. 115.57% D. 133.33% E. None of these

2. For which flavour was the averages annual production maximum in the give period?

A. Only X B. Only Y C. Only Z D. All are equal E. None of these

3. What is the difference between the average production of flavour X in 2005, 2006 and 2007 and the average production of flavour Y in 2008, 2009 and 2010?

A. 50000 bottles B. 80000 bottles C. 240000 bottles D. 500000 bottles E. None of these

4. What is the approximate decline in the production flavour Z in 2010 as compared to the production in 2008?

A. 50% B. 42% C. 33% D. 25% E. None of these

5. For which of the following years the percentage rise/fall in production from the previous years is the maximum for flavour Y?

A. 2006 B. 2007 C. 2008 D. 2009 E. None of these

Correct Answers:

1	2	3	4	5
D	B	D	C	B

Explanations:

1. Total production of flavour Z in 2007 and 2008 = 60 + 60 = 120 lakh bottles
Total production of flavour X in 2005 and 2006 = 50 + 40 = 90 lakh bottles

$\therefore$ Reqd. % = $\frac{120}{90} \times 100\% = 133.33\%$

Hence, option D is correct.

2. X production over the years = 50 + 40 + 55 + 45 + 60 + 50 = 300
Y production over the years = 55 + 60 + 50 + 55 + 50 + 55 = 325
Z production over the years = 45 + 50 + 60 + 60 + 45 + 40 = 300

Just from addition of the given values we can infer that the greatest average will be of company Y because the sum of values is the highest for it.

Hence, option B is correct.

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3. Average production of flavour X in 2005, 2006 and 2007
= $\frac{1}{3} \times (50 + 40 + 55)$

= $\left(\frac{145}{3}\right)$ lakh bottles

Average production of flavour Y in 2008, 2009 and 2010
= $\frac{1}{3} \times (55 + 50 + 55)$

= $\left(\frac{160}{3}\right)$ lakh bottles

$\therefore$ Reqd. difference = $\left(\frac{160}{3} - \frac{145}{3}\right) = \frac{15}{3}$

= 5 lakh bottles
Hence, option D is correct.

4. Percentage decline in the production of flavour Z in 2010 as compared to the production in 2008

$= \frac{(60 - 40)}{60} \times 100\%$

$= \frac{20}{60} \times 100 = 33.33\% \approx 33\%$

Hence, option C is correct.

5. In 2007 we can clearly observe that the fall in production from the previous year is the maximum.

Hence, option B is correct.

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