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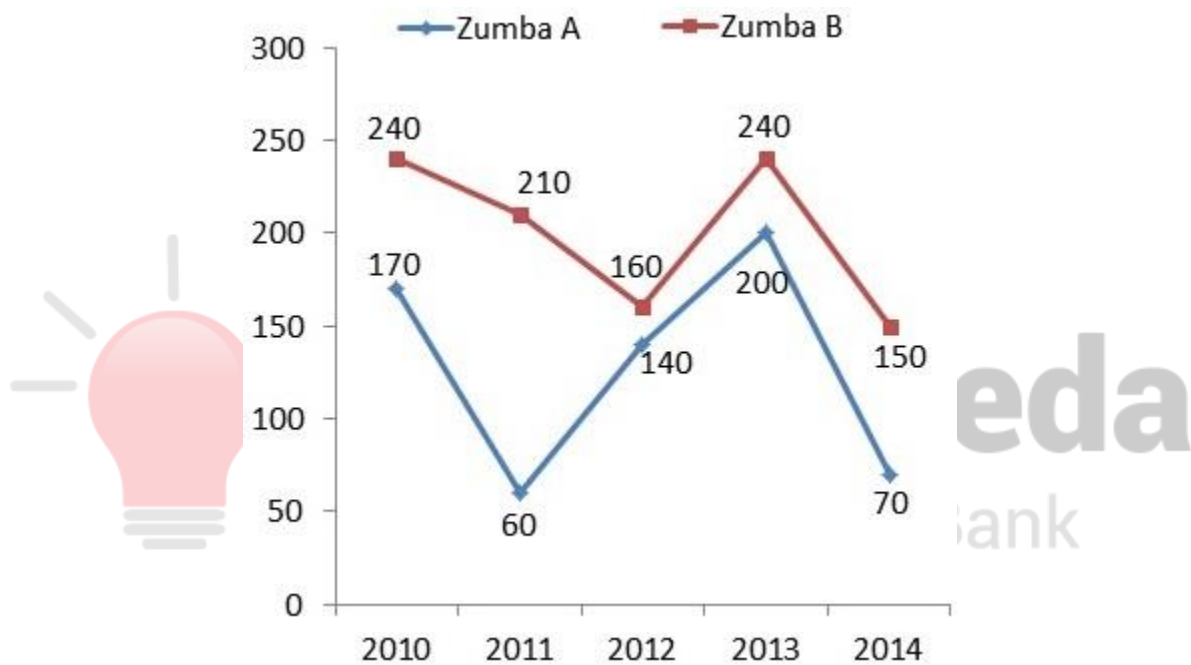
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## DI Line Chart Questions for IBPS Clerk Pre, SBI Clerk Pre, LIC Assistant Pre and IBPS RRB Assistant Pre Exams.

### DI Line Chart No 45

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

In the line graph, total members enrolled in different years from 2010 to 2014 in two Zumba classes A and B are given.



- 1. If in the year 2015, there is 20% increase in total number of members enrolled than in 2014 by both classes, then find the total number of members enrolled in 2015?**  
A. 256      B. 234      C. 284      D. 264      E. 266
- 2. Find the ratio between total members of both classes in 2011 to total members of both classes in 2014 .**  
A. 28 : 23      B. 26 : 21      C. 27 : 22      D. 25 : 23      E. 23 : 21
- 3. The number of members in Zumba A in 2011 is what percentage of the number of members in Zumba B in 2014?**  
A. 30%      B. 40%      C. 34%      D. 42%      E. 38%

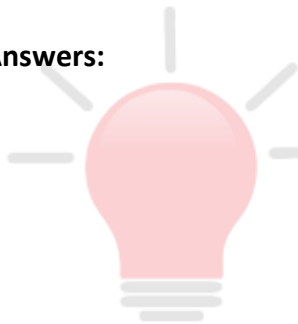
4. The total number of members enrolled in Zumba A from 2011 to 2014 together is what percentage more than the total number of members enrolled in Zumba B in 2013 and 2014 together?

A. 20.51%      B. 24.51%      C. 26.51%      D. 25.41%      E. 28.61%

5. The number of members enrolled in 2015 is 10% more than the members enrolled in 2014 in both the classes. If 40 members from Zumba A and 30 members from Zumba B cancelled their enrolment in 2015, then find the total number of members enrolled in 2015 in both the classes together?

A. 178      B. 164      C. 180      D. 176      E. 172

Correct Answers:



1	2	3	4	5
D	C	B	A	E

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## Explanations :

**1.** In Zumba A

In 2014, number of members enrolled = 70

In 2015, number of members enrolled =  $70 (1.2) = 84$

In Zumba B,

In 2014, number of members enrolled = 150

In 2015, number of members enrolled =  $150 (1.2) = 180$

Total =  $84 + 180 = 264$

Hence, option D is correct.

**2.** In 2011, total members =  $60 + 210 = 270$

In 2014, total members =  $70 + 150 = 220$

Required ratio =  $270 : 220 = 27 : 22$

Hence, option C is correct.

**3.** The number of members enrolled in Zumba A in 2011 = 60

The number of members enrolled in Zumba B in 2014 = 150

$$\text{Reqd. \%} = \frac{60 \times 100}{150} = 40\%$$

Hence, option B is correct.

**4.** The total number of members enrolled in Zumba A in 2011, 2012, 2013 and 2014 =  $60 + 140 + 200 + 70 = 470$

The total number of members enrolled in Zumba B in 2013 and 2014 =  $240 + 150 = 390$

$$\text{Reqd. \%} = \frac{(470 - 390) \times 100}{390} = 20.51\%$$

Hence, option A is correct.

5. Zumba A,

In 2014, the number of members enrolled = 70

In 2015, the number of members enrolled =  $70 (1.1) = 77$

40 members cancelled their enrolment, so the number of members enrolled =  $77 - 40 = 37$

Zumba B,

In 2014, the number of members enrolled = 150

In 2015, the number of members enrolled =  $150 (1.1) = 165$

30 members cancelled their enrolment, so the number of members enrolled =  $165 - 30 = 135$

Total members enrolled from both classes =  $37 + 135 = 172$

Hence, option E is correct.



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