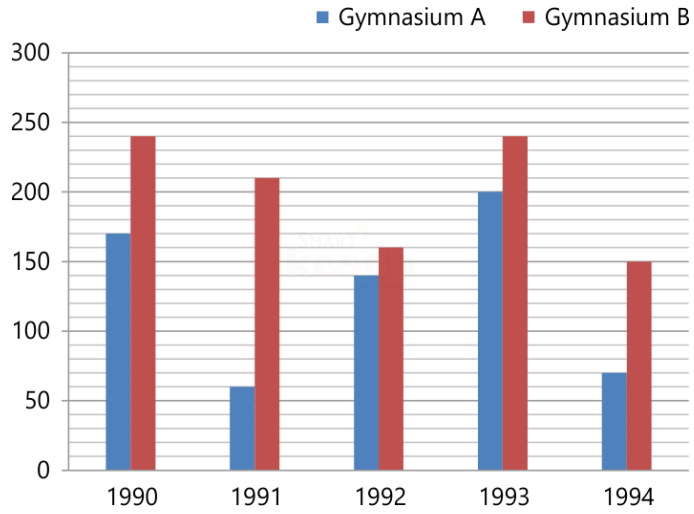
Date Interpretation Bar Graph Questions for Bank PO PRE Exams.

DI Bar Chart Quiz 21

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

The bar-chart shows the total number of members enrolled in different years from 1990 to 1994 in two gymnasiums A and B.



1. If in the year 1995, there is 30% increase in the total number of members enrolled in 1994 in both gymnasiums, then find the total number of members enrolled in 1995.

A. 282 B. 296 C. 292 D. 286 E. None of these

2. The ratio of the total number of members of both gymnasiums in 1991 to the total number of members in 1994 of both gymnasiums is

A. 22 : 27 B. 21 : 11 C. 11 : 21 D. 25 : 13 E. 27 : 22

3. The number of members of gymnasium A in 1991 is what per cent of the number of members of gymnasium B in 1994?

A. 60% B. 55% C. 58% D. 62% E. None of these

4. The number of enrolled members in gymnasium A from 1991 to 1994 together is what percent more than the number of members enrolled in gymnasium B in 1993 and 1994 together? (Rounded off to two-digit decimal places)

A. 10.51% B. 20.51% C. 15.51% D. 17.51% E. None of these

5. The total number of members enrolled in gymnasium B in 1993 and 1994 together is what per cent more than the number of members enrolled in gymnasium in 1990 and 1994 together?

A. 60% B. 65% C. 62.5% D. 61.5% E. None of these

Correct Answers:

1	2	3	4	5
D	E	E	B	C

Explanations:

1. Total number of member enrolled in 1995 = 130% of (150 + 70)

$= \frac{220 \times 130}{100} = 286$

Hence, option D is correct.

2.

Reqd. ratio $= \frac{\text{No. of members in Gym of A \& B in 1991}}{\text{No. of members in Gym of A \& B in 1994}}$

$= \frac{62 + 210}{70 + 150} = \frac{270}{220} = \frac{27}{22} = 27 : 22$

Hence, option E is correct.

3.

Reqd. % $= \frac{\text{No. of members in Gym of A in 1991}}{\text{No. of members in Gym of B in 1994}} \times 100$

$= \frac{60}{100} \times 100 = 40\%$

Hence, option E is correct.

4. Total number of members enrolled in Gymnasium A from 1991 to 1994 = 60 + 140 + 200 + 70 = 470

Total number of members enrolled in gymnasium B in 1993 and 1994 together = 240 + 150 = 390

∴ Difference = 470 – 390 = 80

∴ Reqd. % $= \frac{80}{390} \times 100 = 20.51\%$

So, it's clear that the number of enrolled members in gymnasium A from 1991 to 1994 together is 20.51% more than the number of members enrolled in gymnasium B in 1993 and 1994 together.

Hence, option B is correct.

5. Total number of members enrolled in Gymnasium B in 1993 and 1994 together = 240 + 150 = 390

Total number of members enrolled in Gymnasium A in 1990 and 1994 together = 170 + 70 = 240

∴ Difference = 390 – 240 = 150

∴ Reqd. % = $\frac{150}{240} \times 100 = 62.5\%$

Hence, option C is correct.