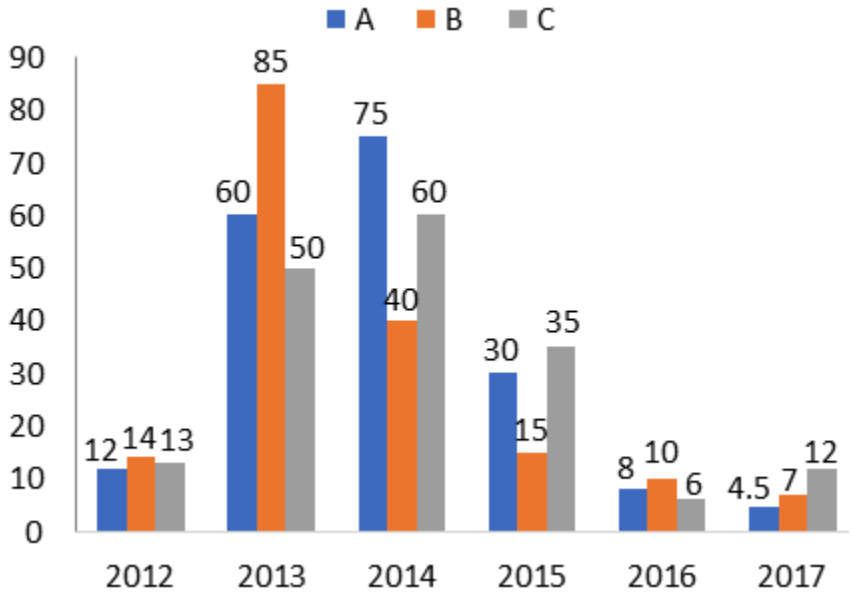
Date Interpretation Bar Graph Questions for IBPS PO Pre, RRB Scale I Pre, SBI PO Pre, IBPS Clerk Mains, IBPS SO Pre, Canara Bank PO, Syndicate Bank PO and SBI Clerk Mains Exams.

DI Bar Chart Quiz 51

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

The following bar graph gives the information about the number of staffs recruited (in thousand) in three different banks A, B and C in six consecutive years.



1. What is the difference between the average number of staffs recruited by the Bank A over all the years together and that by Bank C over all the years together?

A. 2.5 thousand B. 2.33 thousand C. 2.25 thousand D. 2.45 thousand E. None of these

2. The number of staffs recruited by Bank B in the year 2012 and 2017 together was what percentage of the number of staffs recruited by that bank in all other years together?

A. 12.28% B. 13.5% C. 12.98% D. 14% E. None of these

3. The total number of staffs recruited in the year 2013 by all the three banks together was what percent more than that in the year 2014 by all the three banks together?

A. $11\frac{3}{7}\%$ B. $12\frac{1}{7}\%$ C. $13\frac{4}{7}\%$ D. $10\frac{5}{7}\%$ E. None of these

4. If 40% of the staffs recruited in the year 2015 in the bank C was female and 70% of the total number of staffs recruited in that year by all the three banks together was male then in that year, what was the total number of females recruited by the bank A and B together?

A. 35 thousand B. 25 thousand C. 15 thousand D. 10 thousand E. None of these

5. The respective ratio of the number of females recruited in the bank A over all the years together to the number of males recruited in the bank B over all the years together was 4 : 5. In the bank B, 40% of the total number of staffs recruited over all the years together was females, then what was the total number of males recruited by the bank A over all the years together?

A. 82.08 thousand B. 98.42 thousand C. 107.42 thousand D. 102.86 thousand E. None of these

Correct Answers:

1	2	3	4	5
C	D	A	D	C

Explanations:

1. The sum of the staffs recruited by the bank A over all the years together = 12 + 60 + 75 + 30 + 8 + 4.5 = 189.5 thousand

The sum of the staffs recruited by the bank C over all the years together = 13 + 50 + 60 + 35 + 6 + 12 = 176 thousand

The reqd. difference of average

$$= \frac{189.5}{6} - \frac{176}{6} = \frac{189.5 - 176}{6} = \frac{13.5}{6} = 2.25 \text{ thousand}$$

Hence, option C is correct.

2. The sum of the staffs recruited by the bank B over all the years together = 14 + 85 + 40 + 15 + 10 + 7 = 171 thousand

The number of staffs recruited by Bank B in the year 2012 and 2017 together = 7 + 14 = 21 thousand

the number of staffs recruited by that bank in all other years together = 171 – 21 = 150 thousand

The reqd. % = $\frac{21 \times 100}{150}$ = 14%

Hence, option D is correct.

3. The total number of staffs recruited in the year 2013 by all the three banks together = 60 + 85 + 50 = 195 thousand

The total number of staffs recruited in the year 2014 by all the three banks together = 75 + 40 + 60 = 175

The reqd. % = $\frac{(195 - 175) \times 100}{175} = \frac{20 \times 100}{175} = \frac{80}{7}\% = 11\frac{3}{7}\%$

Hence, option A is correct.

4. The number of staffs recruited in the year 2015 in the bank C = 35 thousand

Number of females recruited by bank C = 40% of 35 = 14 thousand

The total number of staffs recruited in the year 2015 by all the three banks together = 30 + 15 + 35 = 80 thousand

Number of males = 70% of 80 thousand = 56 thousand males

The total number of males in the bank C = 35 – 14 = 21 thousand

The total number of males in the bank A and B together = 56 – 21 = 35 thousand

The total number of females in the bank A and B together = (30 + 15) – 35 = 45 – 35 = 10 thousand

Hence, option D is correct.

5. The sum of the staffs recruited by the bank B over all the years together = 14 + 85 + 40 + 15 + 10 + 7 = 171 thousand

Let the number of females recruited in the bank A over all the years together = 4x then

the number of males recruited in the bank B over all the years together = 5x = (100 – 40)% of 171 = 60% of 171 = 102.60 thousand

$x = \frac{102.60}{5} = 20.52$

Let the number of females recruited in the bank A over all the years together = 4x = 4 × 20.52 = 82.08 thousand

The sum of the staffs recruited by the bank A over all the years together = 12 + 60 + 75 + 30 + 8 + 4.5 = 189.5 thousand

The number of males = 189.5 – 82.08 = 107.42 thousand

Hence, option C is correct.