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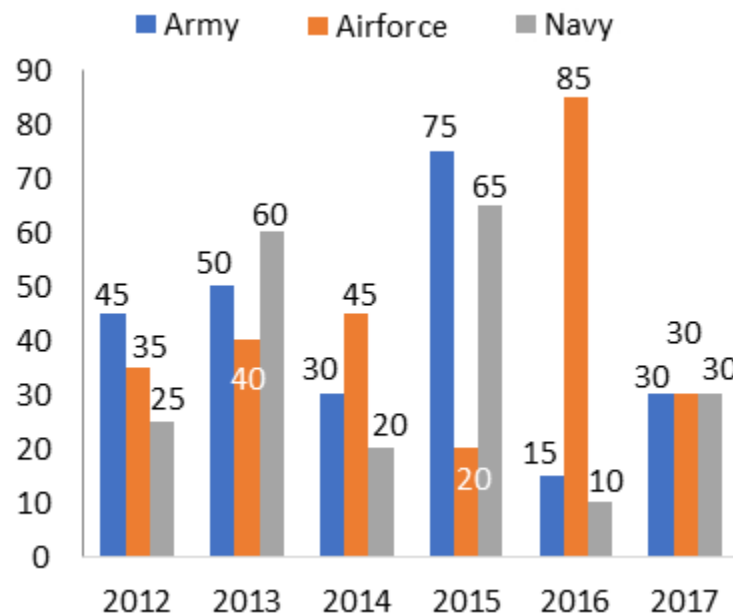
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## Date Interpretation Bar Graph Questions for SBI Clerk Pre, IBPS Clerk Pre and IBPS RRB Exams.

### DI Bar Chart Quiz 42

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

The bar graph given below gives the information about soldiers recruited (in thousand) in three different forces (Army, Airforce, and Navy) in six different years.



1. In the year 2016, 40% of the total number of soldiers recruited in Airforce was female which was equal to double of the total number of female soldiers recruited in Army and Navy together then what was the total number of male soldiers recruited in that year?

- A. 61000      B. 58000      C. 63000      D. 59000      E. None of these

2. In the given six years, what was the difference between the total number of soldiers recruited in Airforce and that in Army?

- A. 10000      B. 15000      C. 20000      D. 5000      E. None of these

3. What is the respective ratio of the total number of soldiers recruited in Navy in the given six years and that in Army and Airforce together in the given six years?

- A. 2 : 5      B. 3 : 10      C. 21 : 50      D. 23 : 50      E. None of these

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4. In the year 2011, the total number of soldiers in Army was 150% more than the sum of the total number of soldiers recruited in Army in the given six years together then at the end of 2017, what was the total number of soldiers in Army? (assume that none of the soldiers left Army in the given six years)

- A. 612500      B. 857500      C. 658500      D. 802500      E. None of these

5. In the year 2014, the number of female soldiers recruited in Army, Airforce, and Navy were in the ratio of 2: 3: 5 respectively. In that year, 75% of the total number of soldiers recruited in Army, Navy, and Airforce together were males then what was the total number of Female soldiers recruited in Army and Navy together?

- A. 16625      B. 15650      C. 17575      D. 18250      E. None of these

**Correct Answers:**

1	2	3	4	5
D	A	C	B	A

**Explanations:**

1. In the year 2016,

The total number of female soldiers recruited in Airforce = 40% of 85000 = 34000

The total number of female soldiers recruited in Army and Navy together

$$= \frac{34000}{2} = 17000$$

The total number of female soldiers recruited in all the forces together = 17000 + 34000 = 51000

The total number of soldiers recruited = (15000 + 85000 + 10000) = 110000

The total number of male soldiers recruited = 110000 – 51000 = 59000

Hence, option D is correct.

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**2.** In the given six years together,

The total number of soldiers recruited in Airforce =  $(35 + 40 + 45 + 20 + 85 + 30)$  thousand = 255000

The total number of soldiers recruited in Army =  $(45 + 50 + 30 + 75 + 15 + 30)$  thousand = 245000

The required difference = 10,000

Hence, option A is correct.

**3.** In the given six years together,

The total number of soldiers recruited in Airforce =  $(35 + 40 + 45 + 20 + 85 + 30)$  thousand = 255000

The total number of soldiers recruited in Army =  $(45 + 50 + 30 + 75 + 15 + 30)$  thousand = 245000

The total number of soldiers recruited in Navy =  $(25 + 60 + 20 + 65 + 10 + 30)$  thousand = 210000

The required ratio =  $210000 : (255000 + 245000) = 210000 : 500000 = 210 : 500 = 21 : 50$

Hence, option C is correct.

**4.** In the given six years together,

The total number of soldiers recruited in Army =  $(45 + 50 + 30 + 75 + 15 + 30)$  thousand = 245000

In the year 2011, the total number of soldiers in Army = 250% of 245000 = 612500

At the end of 2017, the total number of soldiers in Army =  $612500 + 245000 = 857500$

Hence, option B is correct.

**5.** In the year 2014,

The total number of soldiers recruited =  $(30 + 45 + 20)$  thousand = 95 thousand

The total number of female soldiers  $(100 - 75)\%$  of 95000 = 25% of 95000 = 23750

The total number of female soldiers recruited in Airforce

$$= \frac{3 \times 23750}{10} = 7125$$

The total number of female soldiers recruited in Army and Navy together =  $(23750 - 7125) = 16625$

Hence, option A is correct.



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