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Date Interpretation Table Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Table Chart Quiz 79

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

Year	Total Number of Votes	% of Valid Votes	Respective Ratio of Valid votes of male and valid votes of female.
2011	–	–	5 : 3
2012	500	–	5 : 4
2013	1000	38%	–
2014	–	60%	7 : 5
2015	2500	40%	–

1. In 2013, if the number of valid votes of female was 100, what was the respective ratio of number of valid votes of male and number of valid votes of female in the same year?

- A. 15 : 19 B. 13 : 11 C. 14 : 5 D. 13 : 5 E. 15 : 17

2. The total number of votes increased by 50% from 2012 to 2016. If 16% of the votes were valid in 2016, what was the number of valid votes in 2016?

- A. 205 B. 250 C. 120 D. 140 E. 130

3. If the average number of valid votes in 2012 and 2015 was 635, what was the number of votes given by female in 2012?

- A. 270 B. 135 C. 120 D. 150 E. 210

4. In 2014, if the difference between number of valid votes of male and number of valid votes of female was 150, what was the total number of votes in 2014?

- A. 1845 B. 1500 C. 1660 D. 1600 E. 1720

5. In 2011, the respective ratio of total number of votes to valid votes was 5 : 4. Number of valid votes of female in 2011 constitutes what percent of the total number of votes in the same year?

- A. 35% B. 25% C. 15% D. 30% E. Can't be determined

Correct Answers:

1	2	3	4	5
C	C	C	B	D

Explanations:

1. Total Valid votes = 38% of 1000 = 380

Valid votes of Female = 100

Valid votes of Male = 380 – 100 = 280

Respective ratio = 280 : 100 = 14 : 5

Hence, option C is correct.

2. 50% of 500 = 250

Total Number of Votes in 2016 = 500 + 250 = 750

Hence total Number of Valid Votes in 2016 = 16% of 750 = 120

Hence, option C is correct.

3. Total number of valid votes in 2012 and 2015 = 1270

The number of valid votes in 2015 = 40% of 2500 = 1000

So the number of valid votes in 2012 = 1270 – 1000 = 270

Votes given by female in 2012 = $(4 \times 270) / 9 = 120$

Hence, option C is correct.

4. Let , Valid Votes = 12x and Total Votes = y

Valid votes by male = 7x

Valid votes by female = 5x

Difference between them = 7x - 5x = 2x = 150 (Given)

So, x = 75

Therefore, Valid votes = 12x = 900

60% of y = 900

y = 1500

Hence, option B is correct.

5. Respective ratio of total number of votes to valid votes = 5 : 4

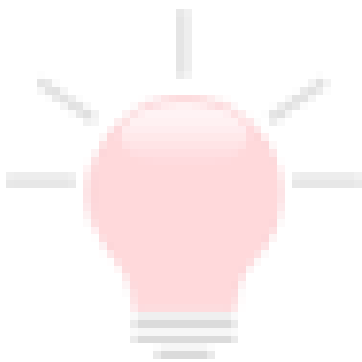
Let the total number of votes = $10x$

So the total number of valid votes = $8x$

Valid votes of female in 2011 = $3x$ [As ratio of male to female valid votes is 5 : 3]

$$\text{Required percentage} = \frac{3x}{10x} \times 100 = 30\%$$

Hence, option D is correct.



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