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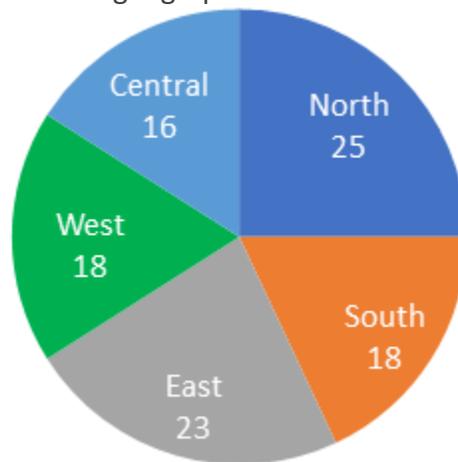- ☑ **Excellent Content**
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Date Interpretation Pie Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Pie Chart Quiz 34

Directions: Study the following pie chart carefully & answer the questions given below it.

The following pie chart gives the information about the distribution of population(in %) of India in different geographical zones.

1. If the total population of east zone of India is 126.5 million then what is the total population of north zone of India?

A. 137.5 million   B. 147.5 million   C. 132.5 million   D. 142.5 million   E. None of these

2. The total population of west zone of India is how much percentage less than that of the north zone?

A. 24%   B. 32%   C. 28%   D. 30%   E. None of these

3. In India, the ratio of males to females is 13 : 12 and in central zone, the ratio of males to females is 9 : 7. The number of females in central zone is what percentage of the total number of females of India?

A. $14\dfrac{7}{12}$%   B. $13\dfrac{7}{12}$%   C. $10\dfrac{5}{12}$%   D. $15\dfrac{5}{12}$%   E. None of these

4. If the total population of India is 125 crores then what is the sum of the population of east zone and that of west zone in crores?

A. 53.75   B. 50.50   C. 52.75   D. 51.25   E. None of these

5. **50% of the total population of west zone are males which is equal to 10% of the total population of males in India and if the total population of females in west zone is 50 million then what is the total population of males in India?**

A. 450 million   B. 500 million   C. 540 million   D. 480 million   E. None of these

Correct Answers:

1	2	3	4	5
A	C	A	D	B

Explanations:

1. Let the total population of India = 100x then
Then, the total population of east zone = 23% of 100x = 126.5
23x = 126.5
x = 5.5 million
The population of north zone = 25% of 100x = 25x = 25 × 5.5 = 137.5 million
Hence, option A is correct.

2. Let the total population of India = 100x
Then, the total population of north zone = 25% of 100x = 25x
The total population of west zone = 18% of 100x = 18x

The reqd. % = $\dfrac{(25x - 18x) \times 100}{25x}$ = 28%

Hence, option C is correct.

3. Let the total population of India = 100x then
Then, the total population of central zone = 16% of 100x = 16x

The number of females in central zone = 16x × $\dfrac{7}{16}$ = 7x

The number of females in India = 100x × $\dfrac{12}{25}$ = 48x

The reqd. % = $\dfrac{7x \times 100}{48x}$ = $\dfrac{175}{12}$ % = $14\dfrac{7}{12}$ %

Hence, option A is correct.

4. The sum of the population of east zone and that of west zone = 23% of 125 + 18% of 125 = 41% of 125

= $\dfrac{41 \times 125}{100}$ = 51.25 crores
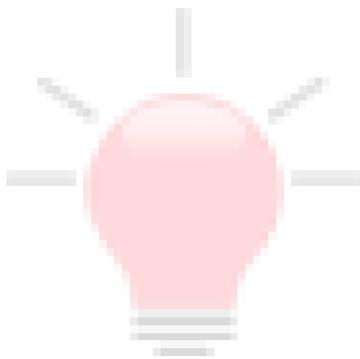
Hence, option **D** is correct.

5.   Let the total population of India = 100x then

Then, the population of west zone = 18% of 100x = 18x

The number of males in west zone = 50% of 18x = 9x = 10% of the total population of males in India = 50 million (The number of females)

The total population of males in India = 90x = 50 × 10 = 500 million

Hence, option B is correct.