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Date Interpretation Mixed Chart Questions Quiz for Bank PO Pre and Clerk Mains Exams.

Data Interpretation Mixed Chart Quiz 19

Direction: Study the following pie chart and table chart carefully and answer the questions based on it.

The following pie – chart shows the percentage distribution of total population of six cities, and the table shows the percentage of males among them. (Total population of City F = 1526000).
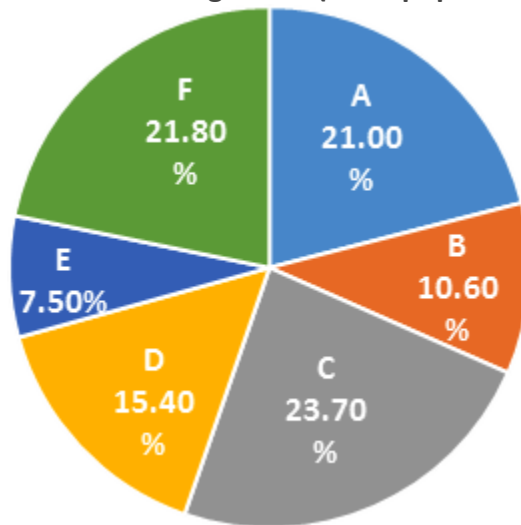
City	% Male
A	51.1%
B	53.2%
C	52.9%
D	53.8%
E	47.9%
F	49.2%

1. What is the total number of females in City A?

A. 718830   B. 751170   C. 724085   D. 745915   E. 739026

2. What is the difference between the male and the female population of City B?

A. 47448   B. 47484   C. 47488   D. 47848   E. 47844

3. The female population of City F is approximately what percentage of the female population of City E?

A. 174.8%   B. 224.5%   C. 257.5%   D. 283.5%   E. 296%

4. What is the total number of males in all six cities together?

A. 3573240   B. 3605756   C. 3614028   D. 3625284   E. None of these

5. The total number of females in all six cities together is what percent of the total population of all six cities together? (Answer in approximate value)

A. 42.5%   B. 45%   C. 48.5%   D. 51%   E. 52.5%

Correct Answers:

1	2	3	4	5
A	C	D	B	C

Explanations:

1.

Total number of people in all six cities = $\dfrac{1526000 \times 100}{21.8}$

= 7000000

∴ Total population of City A = $7000000 \times \dfrac{21}{100} = 1470000$

Male A = $1470000 \times \dfrac{51.1}{100} = 751170$

∴ Female A = 1470000 − 751170 = 718830

Hence, option (A) is correct.

2.

$\text{Total}_B = 7000000 \times \dfrac{10.6}{100} = 742000$

∵ Males are 53.2%, so females = 100 − 53.2 = 46.8%
∴ Diff = 53.2 − 46.8 = 6.4%

∴ Reqd. difference = $742000 \times \dfrac{6.4}{100} = 47488$

Hence, option (C) is correct.

3.

Female F = $7000000 \times \dfrac{21.8}{100} \times \dfrac{100 - 49.2}{100}$

= 700 × 21.8 × 50.8 = 775208

Female E = $7000000 \times \dfrac{7.5}{100} \times \dfrac{100 - 47.9}{100}$

= 700 × 7.5 × 52.1 = 273525

∴ Reqd. % = $\dfrac{775208}{273525} \times 100 = 283.4 \approx 283.5\%$

Hence, option (D) is correct.

4. Total males = (7000000/100 × 100) × {21 × 51.1 + 10.6 × 53.2 + 23.7 × 52.9 + 15.4 × 53.8 + 7.5 × 47.9 + 21.8 × 49.2}

= $\dfrac{7000000}{100 \times 100}$ {1073.1 + 563.92 + 1253.73 + 828.52 + 359.25 + 1072.56}

= 700 × 5151.08 = 3605756

Hence, option (B) is correct.

5. Total population in all six cities = 7000000

Total females in all six cities = 7000000 − 3605756 = 3394244

∴ Reqd. % = $\dfrac{3394244}{7000000} \times 100 = 48.489 \approx 48.5\%$

Hence, option (C) is correct.