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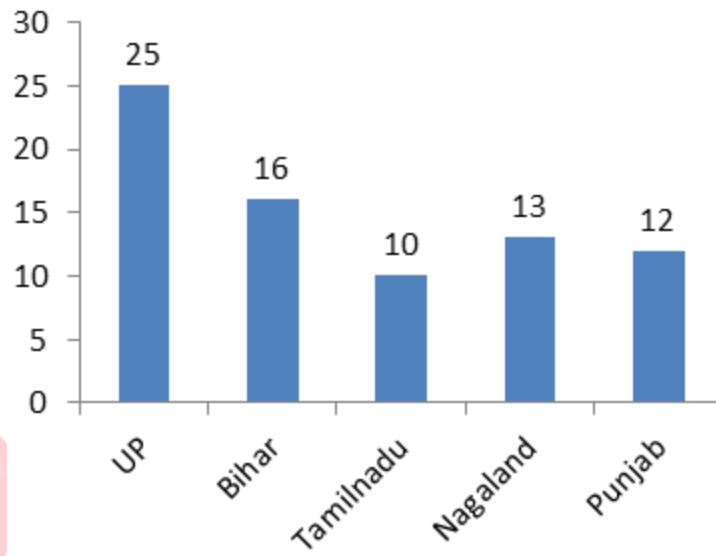
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# DI Mixed Chart Questions for IBPS Clerk Pre, SBI Clerk Pre, LIC Assistant Pre and IBPS RRB Assistant Pre Exams.

## DI Mixed Chart No.82

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

Distribution of population (in crores) in different states in year 2001

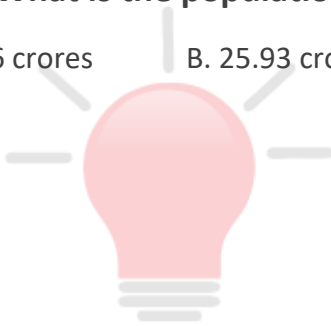


Percentage increase in population every year 2001 onward

States	Percentage increase
UP	10%
Bihar	30%
Tamil Nadu	25%
Nagaland	12%
Punjab	25%



1. What is the ratio of population of Uttar Pradesh in 2003 to population of Tamil Nadu in 2002?  
A. 50 : 121      B. 121 : 50      C. 52 : 121      D. 121 : 52      E. None of these
2. The population of Nagaland in 2002 is what percentage of Bihar's population in 2002?  
A. 80%      B. 60%      C. 85%      D. 70%      E. 90%
3. What is the population of Punjab in 2003?  
A. 18 crores      B. 19 crores      C. 18.75 crores      D. 17.50 crores      E. 17 crores
4. What is the average population of Uttar Pradesh, Bihar and Nagaland in 2002?  
A. 22.75 crores      B. 21.60 crores      C. 18.80 crores      D. 20 crores      E. 20.95 crores
5. What is the population of Tamil Nadu in 2005?  
A. 22.56 crores      B. 25.93 crores      C. 23.18 crores      D. 24.41 crores      E. 19.53 crores



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**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
B	D	C	E	D

## Explanations :

1. Population of U P in 2001 = 25 crores

Population increased every year = 10%

$$\text{Population of U P in 2003} = \frac{25 \times 11 \times 11}{10 \times 10}$$

Population of Tamil Nadu in 2001 = 10 crores

Population increased every year = 15%

$$\text{Population of Tamil Nadu in 2002} = \frac{10 \times 125}{100}$$

$$\text{Ratio} = \frac{25 \times 11 \times 11}{10 \times 10} : \frac{10 \times 125}{100}$$

$$\text{Ratio} = 121 : 50$$

**Note :** The population of Uttar Pradesh will increase two times by same percentage because population in 2001 is given and 2003 is asked for the ratio.

While the population of Tamil Nadu will increase only once by the given percentage because population of 2002 is asked in the question.

Hence, option B is correct.

2. Population of Nagaland in 2001 = 13 crores

Population increased every year = 12%

$$\text{Population of Nagaland in 2002} = \frac{13 \times 112}{100}$$

Population of Bihar in 2001 = 16 crores

Population increased every year = 30%

$$\text{Population of Bihar in 2002} = \frac{16 \times 130}{100}$$

$$\text{Percentage} = \frac{13 \times 112}{16 \times 130} \times 100 = 70\%$$

Hence, option D is correct.

3. Population of Punjab in 2001 = 12 crores

Percentage increase every year = 25%

$$\text{Population of Punjab in 2003} = \frac{12 \times 125 \times 125}{100 \times 100} = 18.75 \text{ crores}$$

Hence, option C is correct.

4. Population of Uttar Pradesh in 2001 = 25 crores

Percentage increase every year = 10%

$$\text{Population of Uttar Pradesh in 2002} = \frac{25 \times 11}{10} = 27.5 \text{ crores}$$

Population of Bihar in 2001 = 16 crores

Percentage increase every year = 30%

$$\text{Population of Bihar in 2002} = \frac{16 \times 13}{10} = 20.8 \text{ crores}$$

Population of Nagaland in 2001 = 13 crores

Percentage increase every year = 12%

$$\text{Population of Nagaland in 2002} = \frac{13 \times 112}{100} = 14.56 \text{ crores}$$

$$\text{Average} = \frac{27.5 + 20.8 + 14.56}{3} = \frac{62.86}{3} = 20.95 \text{ crores}$$

Hence, option E is correct.

5. Population of Tamil Nadu in 2001 = 10 crores

Percentage increase every year = 25%

$$\text{Population of Tamil Nadu in 2005} = \frac{10 \times 5 \times 5 \times 5 \times 5}{4 \times 4 \times 4 \times 4} = 24.41 \text{ crores}$$

Hence, option D is correct.



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