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The Question Bank

Date Interpretation Line Chart Questions for IBPS Clerk Pre, SBI Clerk Pre and IBPS RRB Exams.

DI Line Chart Quiz 33

Direction : Study the following line charts carefully and answer the questions given beside.

The following line-graph represents the number of branches of public sector banks in India in different years: (in thousands)
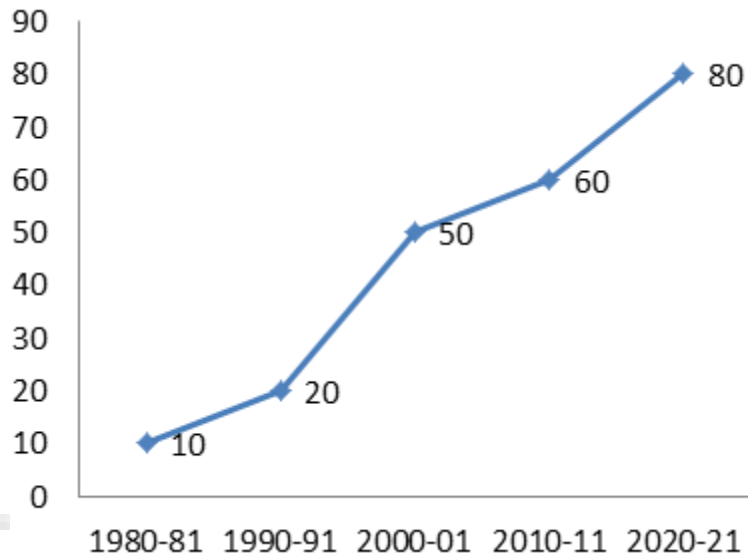
Questions :

1. **Find the percentage increase in the number of branches from 1980-81 to 2010-11.**

A. 200%   B. 300%   C. 400%   D. 450%   E. 500%

2. **If the total number of public sectors banks in 1980-81 and 2020-21 were 14 and 28 respectively, then find the ratio of average branches per bank in these two years.**

A. 1 : 3   B. 1 : 4   C. 1 : 5   D. 1 : 7   E. 1 : 6

3. **There is a proposal to merge SBI and its associate banks in 2020-21 due to which the total number of branches will decrease by 5000. After this SBI has 40% of total branches. Find the percentage change in the total branches of SBI and its associate banks before and after merging.**

A. 14% decrease   B. 15% increase   C. $14\frac{2}{7}$% decrease   D. 16% increase   E. 15% decrease

4. If 40% of the total branches are in rural areas in 1990-91 and 40% of the total branches are in urban areas in 2020-21, then find the increase in the number of rural branches in these two years.

A. 30000   B. 20000   C. 50000   D. 40000   E. 45000

5. If there were **10000** branches less in 2000-01, then between which two decades, is the growth rate in number of branches the lowest?

A. 1980-81 to 1990-91   B. 1990-91 to 2000-01   C. 2010-11 to 2020-21
D. 2000-01 to 2010-11   E. Can't be determined

Correct Answers:

1	2	3	4	5
E	B	C	D	C

Answers :

1. Number of branches in 1980-81 is 10,000 and that in 2010-11 is 60,000.

% increase = $\dfrac{60000 - 10000}{10000} \times 100 = 500\%$

Hence, option E is correct.

2. Average branches per bank in 1980-81

$= \dfrac{10000}{14}$ and in 2020-21 $= \dfrac{80000}{28}$

Ratio $= \dfrac{10000}{14} : \dfrac{80000}{28}$

$\rightarrow \dfrac{10000}{14} \times \dfrac{28}{80000} = 1 : 4$

Hence, option B is correct.

3. Total branches of SBI after merging = 40% of (80,000 – 5000) = 30000

Total branches of SBI and its associate branches before merging = 5000 + 30000 = 35000

Percentage change in SBI and its associate banks after merging

$= \dfrac{5000 \times 100}{35000} = 14\dfrac{2}{7}\%$ decrease

Hence, option C is correct.

4. Total number of rural branches in 1990-91 = 40% of 20000 = 8000

Total number of rural branches in 2020-21 = 60% of 80000 = 48000

Increase in the number of rural branches is 48000 – 8000 = 40000

Hence, option D is correct.

5. In 2000-01, total number of branches is 40000

Percentage increase from 1980-81 to 1990-91 = 10k → 20k i.e., 100%

Percentage increase from 1990-91 to 2000-01 = 20k → 40k i.e., 100%

Percentage increase from 2000-01 to 2010-11 = 40k → 60k i.e., 50%

Percentage increase from 2010-11 to 2020-21 = 60k → 80k i.e., 33%

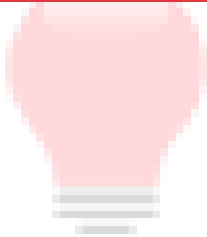From 2010-11 to 2020-21, the percentage increase (i.e., growth rate) is the lowest.

Hence, option C is correct.