CLASS WORK

Directions for Q1 to Q5: Answer these questions based on the following graph.

Number of trees planted by a voluntary organization from 2000 through 2006

In East India · In West India
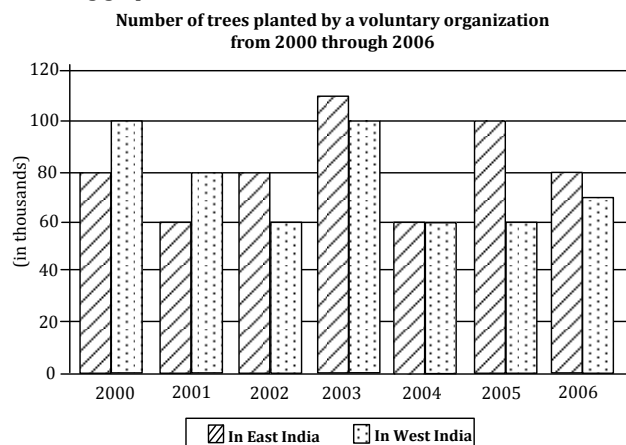
1. What is the percentage increase or decrease in the number of trees planted by the voluntary organization in West India from 2000 to 2006?
   (a) 25%   (b) 50%   (c) 20%   (d) 30%

2. In which of the following years was the trend of alternate increase or decrease in the number of trees planted by the voluntary organization in East India not observed?
   (a) 2002   (b) 2003   (c) 2001   (d) 2004

3. What is the total number of trees (in thousands) planted in East and West India in the years 2003 and 2006 together?
   (a) 360   (b) 535   (c) 480   (d) 465

4. By what percentage is the number of trees planted in East India in 2000 more than that in West India in 2005?
   (a) 66.66%   (b) 50%   (c) 40%   (d) 33.33%

5. What is the average number of trees (in thousands) planted in West India from 2000 to 2004?
   (a) 84   (b) 75   (c) 80   (d) 70

Directions for Q6 to Q10: Answer these questions based on the following bar graph.

Revenue and Expenditure of XYZ Pvt. Ltd. (in ₹ lakhs)

Revenue · Expenditure
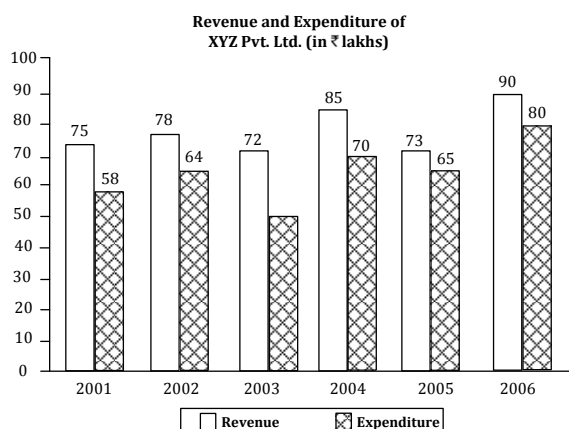
6. In how many years is the profit, as a percentage of the revenue, more than 15%?
   (a) 1   (b) 2   (c) 3   (d) 4

7. In the year 2003, each article was sold at Rs.32. At what price approximately should each article be sold for the company to make a profit of 40%?
   (a) Rs.34   (b) Rs.30   (c) Rs.31   (d) Rs.36

8. What is the average annual profit of XYZ Pvt. Ltd. in the given period (in Rs.Lakhs)?
   (a) 14.33   (b) 15.66   (c) 12.87   (d) 13.37

9. If the revenues in 2004 and 2007 are the same, then approximately by what percentage should the expenditure in 2007, when compared to that in 2004, be reduced to make a profit of 40% in 2007?
   (a) 15.57%   (b) 13.26%   (c) 16.38%   (d) 10.26%

10. If the price per unit article sold by XYZ Pvt. Ltd in 2003 as well as in 2006 was Rs.18, then by what percentage was the number of articles sold in 2006 more than that in 2003?
    (a) 25%   (b) 20%   (c) 30%   (d) 35%

Directions for Q11 to Q15: Study the following graph to answer the questions below.

Only four parties CJP, HAP, ADB, CJB contested the election in each of the four constituencies A, B, C and D in which the elections were held in 2007. The following graph gives the number of votes secured (in thousands) by the candidates of CJP, HAP, ADB in each of the constituencies.

CJP · HAP · ADB
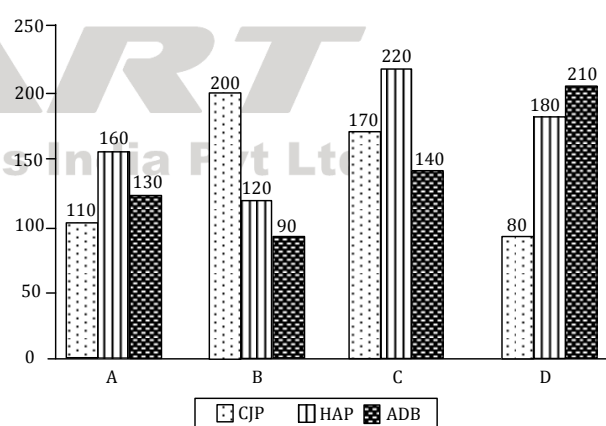
Note: The total number of votes polled in the 4 constituencies are as follows

A – 450000

B – 500000

C – 600000

D – 575000

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11. In which constituency did CJB get the minimum number of votes?

(a) A   (b) B   (c) C   (d) D

12. What is the difference between the number of votes secured by HAP in B and C together and that by ADB in A and D together?

(a) 50,000   (b) 20,0000

(c) 10,000   (d) None of these

13. The number of votes secured by HAP in B is what percentage of the number of votes it received in A, B, C and D put together?

(a) 20.8%   (b) 17.6%   (c) 14.3%   (d) 15.8%

14. In how many constituencies are the votes received by CJB as a percentage of the total votes cast in that constituency more than 17%?

(a) 0   (b) 1   (c) 2   (d) 3

15. What is the ratio of number of votes secured by HAP in B and D to that secured by CJB in A and C?

(a) 5:3   (b) 5:4   (c) 3:2   (d) 5:2

Directions for Q16 to Q20: Answer these questions based on the following information.

Four persons – Mahi, Yuvi, Sachin and Viru have amounts of Rs.1 lakh, Rs.2 lakh, Rs.1 lakh and Rs.2 lakh respectively with them. They invested all the amounts with them in the shares of four companies A, B, C, D as shown.
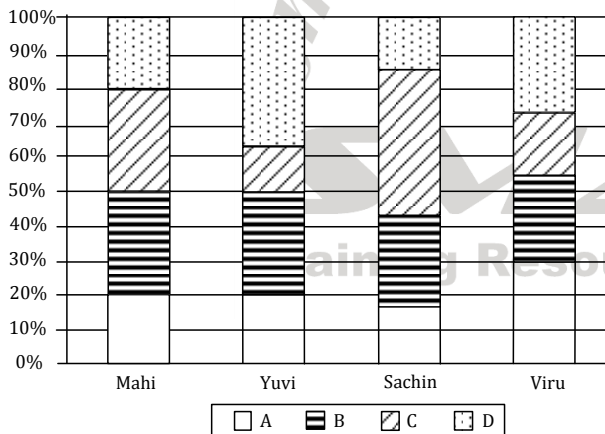

16. Who invested the maximum amount in the shares of company A?

(a) Mahi   (b) Yuvi   (c) Sachin   (d) Viru

17. The cumulative investment made by all the four is maximum in the shares of which company?

(a) A   (b) B   (c) C   (d) D

18. If another Rs.50000 is invested by Mahi in the shares of company A and all other values remain the same, then in which company the total investment of all the four persons is the highest?

(a) A   (b) B   (c) C   (d) D

19. What percentage of the total investment of all the four is the investment in the shares of company C?

(a) 24.33%   (b) 23.33%   (c) 25.33%   (d) 26.33%

20. Who among the four persons made the maximum number of investments in the range of Rs.20,000 to Rs.50,000(both inclusive)?

(a) Mahi   (b) Yuvi   (c) Sachin   (d) Viru

HOME ASSIGNMENT

Directions for Q1 to Q5: The bar graph gives details of the total population and the percentage of people who are aged 20 years or below in seven states.

—— People aged 20 years or below
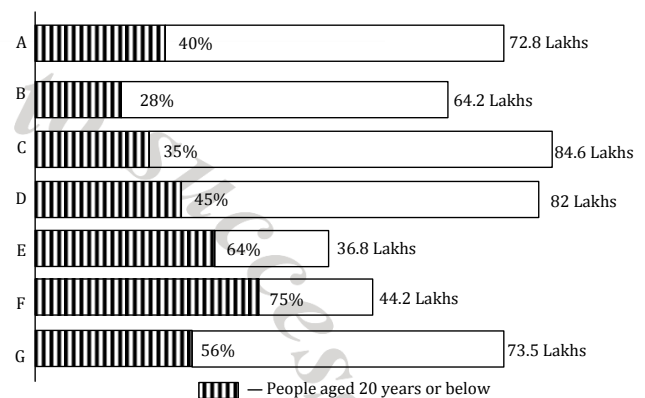
1. What is the difference between the number of people who are above 20 years of age in states D and F?

(a) 3405000   (b) 5606250

(c) 3205600   (d) None of these

2. What is the total number of people aged 20 years or below in states A, C and G (in lakhs)?

(a) 102.86   (b) 99.89   (c) 116.86   (d) 90.94

3. Which state has the second highest number of people aged 20 years or less?

(a) D   (b) F   (c) B   (d) A

4. The number of people of age 20 years or less in state E forms approximately what percentage of that in state D?

(a) 72%   (b) 70%   (c) 66%   (d) 63.8%

5. What is the approximate average number of people more than 20 years of age in the given state (in lakhs)?

(a) 37   (b) 35   (c) 40   (d) 42

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Directions for Q6 to Q10: The following graph gives the details of imports and exports of a country over a period of five years. Study the graph carefully and answer the questions.
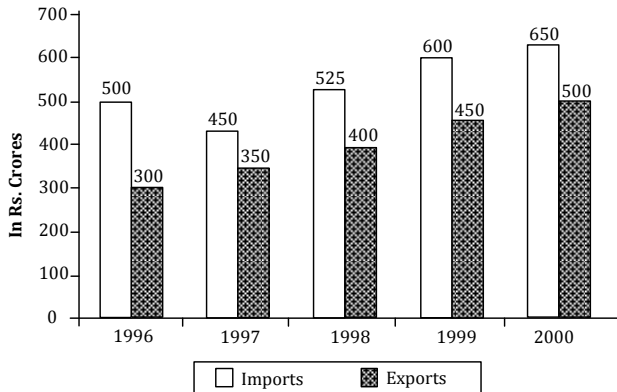
6. What percentage of exports are imports in the year 1997? (approx)
   (a) 127.56%   (b) 128.56%
   (c) 130.56%   (d) 126.56%

7. By what percentage is the average of imports more than the average of exports during the given years?
   (a) 32.25%   (b) 34.25%   (c) 36.25%   (d) 38.25%

8. In the year 2001, the exports increased by the same percentage as in 2000 over its previous year. What will be the amount of exports in the year 2001 approx. (in crores)?
   (a) Rs.552 crores   (b) Rs.554 crores
   (c) Rs.558 crores   (d) Rs.556 crores

9. In which sector a continuous growth has been registered?
   (a) Exports   (b) Imports   (c) None   (d) Both

10. What is the average annual increase in the imports from 1996–2000?
    (a) Rs.35.5 crores   (b) Rs.38.5 crores
    (c) Rs.37.5 crores   (d) Rs.40.5 crores

ANSWER KEY

1. (a)	2. (b)	3. (a)	4. (d)	5. (b)
6. (b)	7. (c)	8. (d)	9. (a)	10. (c)

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