Others

1. Following table shows the number of bicycles manufactured in a factory during the

years 1998 to 2002. Illustrate this data using a bar graph. Choose a scale of your choice

Years	Number of bicycles manufactured
1998	800
1999	600
2000	900
2001	1100
2002	1200

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2. The following table gives the number of vehicles passing through a busy crossing in Delhi in different time intervals on a particular day. Time interval, 8-9 hrs, 9-10 hrs, 10-11 hrs, 11-

12 hrs, 12-13 hrs, 13-14 hrs, 14-15 hrs, 15-16 hrs, 16-17 hrs, 17-18 hrs No. of Vehicles, 300, 400, 350, 250, 200, 150, 100, 200, 300, 450

Represent the above data by a bar graph.

3. The following bar graph represents the data for different sizes of shoes worn by the students in a school. Read the graph and answer the following questions.

(i)What are the different numbers of the shoe-

worn by the students?

(ii)What is the number of students wearing shoe No. 6?

(iii)Which shoe number is worn by the maximum number of students?

(iv)Which shoe number is worn by the minimum number of students?

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4. The following bar graph shows the number of vehicles passing through a road crossing in

Delhi in different time intervals on a particular day. Read the bar graph and answer the following questions: What does the bar graph represent? Also, give the maximum number of vehicles. When is the hourly traffic maximum? Also give the minimum number of vehicles. When is the hourly traffic minimum? What is the total number of vehicles passing through a crossing during a particular day?

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5. Read the bar graph shown in Figure and answer the following questions: What is the information given by the bar graph? What is the order of the change of number of students over several years? State whether true or false. The enrolment during 1996-97 is twice that of 1995-96

6. Read the following bar graph shown in Figure and answer the following questions: What is the information given by the bar graph? In which month was the sale of the book maximum? In which month was the sale of the book minimum? What is the total sale of the book during these five months?

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7. Read the following bar graph given in Figure and answer the following questions: What information is given by this bar graph? Which two states have same production in 1993-94? Name the state having same production in both the years? Which state has minimum production?

8. The following table shows the daily production of T.V. sets in an industry for 7 days of a week: Day, Mon, Tue, Wed, Thurs, Fri, Sat, Sun No. of T.V. Sets, 300, 400, 150, 250, 100, 350, 200 Represent the above information by a pictograph

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9. The following table shows the number of Maruti cars sold by the five dealers in a

particular month: Dealer, Saya, Bagga Links, D.D. Motors, Bhasin Motor, Competent Motors Cars sold, 60, 40, 20, 15, 10 Represent the above information by a pictograph.

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10. The population of Delhi State in different census years is as given below: Census year, 1961, 1971, 1981, 1991, 2001 Population in Lakhs, 30, 55, 70, 110, 150 Represent the above information with the help of a bar graph.

11. Read the bar graph shown in Figure and answer the following questions: What is the information given by the bar graph? How many tickets of Assam State Lottery were sold by the agent? Of which state, were the maximum number of tickets sold? State whether true or false. The maximum number of tickets sold is three times the minimum number of tickets sold. Of which state were the minimum number of tickets sold?

12. Study the bar graph representing the number of persons in various age groups in a town shown in Figure. Observe the bar graph and answer the following questions:

(i)What is the percentage of the youngest age-group persons over those in the oldest age group?

(ii)What is the total population of the town?

(iii)What is the number of persons in the age group 60-65?

(iv)What is the age-group of exactly 1200 persons living in the town?

(v)What is the total number of persons living in the town in the age group 50-55?

(vi)What is the total number of persons living in the town in the age group 10-15 and 60-65?

13. Read the bar graph shown in Figure and answer the following questions: What is the information given by the bar graph? What was

the number of commercial banks in 1977? What is the ratio of the number of commercial banks in 1969 to that in 1980? State whether true or false: The number of commercial banks in 1983 is less than double the number of commercial banks in 1969.

14. Given below (figure) is the bar graph indicating the marks obtained out of 50 in mathematics paper by 100 students. Read the

bar graph and answer the following questions:

It is decided to distribute work books on mathematics to the students obtaining less then 20 marks, giving one workbook to each of such students. If a work book costs Rs.5, what sum is required to buy the work books? Every student belonging to the highest mark group is entitled to get a prize of Rs. 10. How much amount of money is required for distributing the prize money? Every student belonging to the lowest mark-group has to solve 5 problems per day. How many problems, in all, will be solved by the students of this group

per day? State whether true or false. 17% students have obtained marks ranging from 40 to 49. 59 students have obtained marks ranging from 10 to 29. What is the number of students getting less than 20 marks? What is the number of students getting more than 29 marks? What is the number of students getting marks between 9 to 40? What is the number of students belonging to the highest mark group? What is the number of students obtaining more than 19 marks?

15. Read the following bar graph (Figure) and answer the following questions: What is the information given by the bar graph? State each of the following whether true or false. The number of government companies in 1957 is that of 1982 is 1:9. The number of government companies have decreased over the year 1957 to 1983

16. Read the following bar graph and answer the following questions: What information is given by the bar graph? Which state is the largest producer of rice? Which state is the largest producer of wheat? Which state has total production of rice and wheat as its maximum? Which state has the total production of wheat and rice minimum?

17. The following bar graph (Figure) represents the heights (in cm) of 50 students of Class XI of a particular school. Study the graph and answer the following questions: What percentage of the total number of students have their heights more than 149 cm? How many students in the class are in the range of maximum height of the class? The school wants to provide a particular type of tonic to each student below the height of 150cm to improve his height. If the cost of the tonic for each student comes out to be Rs. 55, how

much amount of money is required? How many students are in the range of shortest height of the class? State whether true or false: There are 9 students in the class whose heights are in the range of 155-159 cm. Maximum height (in cm) of a student in the class is 17. There are 29 students in the class whose heights are in the range of 145-154 cm. Minimum height (in cm) of a student is the class is in the range of 140-144cms. The number of students in the class having their heights less than 150cm is 12. There are 14

students each of whom has height more than 154 cm.

18. Read the following bar graph (Figure) and answer the following questions: What information is given by the bar graph? What was the production of cement in the year 1980-81? What is the minimum and maximum productions of cement and corresponding years?

19. The bar graph shown in Figure represents the circulation of newspapers in 10 languages What is the total number of newspapers published in Hindi, English, Urdu, Punjabi and Bengali? What percent is the number of news papers published in Hindi of the total number of newspapers? Find the excess of the number of newspapers published in English over those published in Urdu. Name two pairs of languages which publish the same number of

newspapers. State the language in which the smallest number of newspapers are published State the language in which the largest number of newspapers are published State the language in which the number of newspapers published is between 2500 and 3500. State whether true or false: The number of newspapers published in Malayalam and Marathi together is less than those published in English. The number of newspapers published in Telugu is more than those published in Tamil.

20. The following data gives the number of students of Delhi state who went abroad for study during some years: Year   1995

1996   1997   1998

1999   2000 No. of Students

1400   1600   1250

1000   2000   2200 Represent the above data with the help of a bar graph.

21. In a school, there are five sections of class VII. The number of students in each section is given below. Construct a bar graph representing this data: Section, A, B, C, D, E No. of Students, 40, 48, 52, 45, 30

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22. The population of four major cities in India in a particular year is given below: City, Mumbai, Kolkata, Delhi, Chennai No. of

Students, 120, 130, 150, 80 Construct a bar graph to represent the above data.

23. The results of pass percentage of Class X and XII in C.B.S.E. examination for 5 years are given in the following table: Year: 1994-95 1995-96 1996-97 1997-98 1998-99 X: 90 95 90 80 98 XII: 95 80 85 90 95 Draw bar graphs to represent the data.

24. Explain the reading and interpretation of bar graphs.

25. Read the following bar graph shown in Figure and answer the following questions: What is the information given by the bar graph? In which month was the sale of the book maximum? In which month was the sale
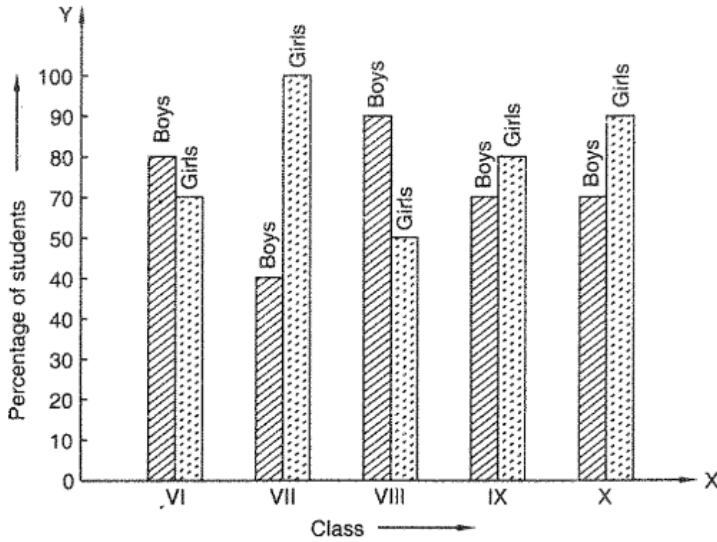
of the book minimum? What is the total sale of the book during these five months?

26. The following bar graph shows the results of an annual examination in a secondary school. Read the bar graph (Figure) and choose the correct alternative in each of the following: The pair of classes in which the results of boys and girls are inversely proportional are:

(a) VI, VIII   (b) VI, IX   (c) VIII, IX   (d) VIII, X

27. The following bar graph shows the number of persons killed in industrial accidents in a country for some years (Figure) Read the bar

graph and choose the correct alternative in each of the following: The year which shows the maximum percentage increase in the number of persons killed in coal mines over the preceding year is:
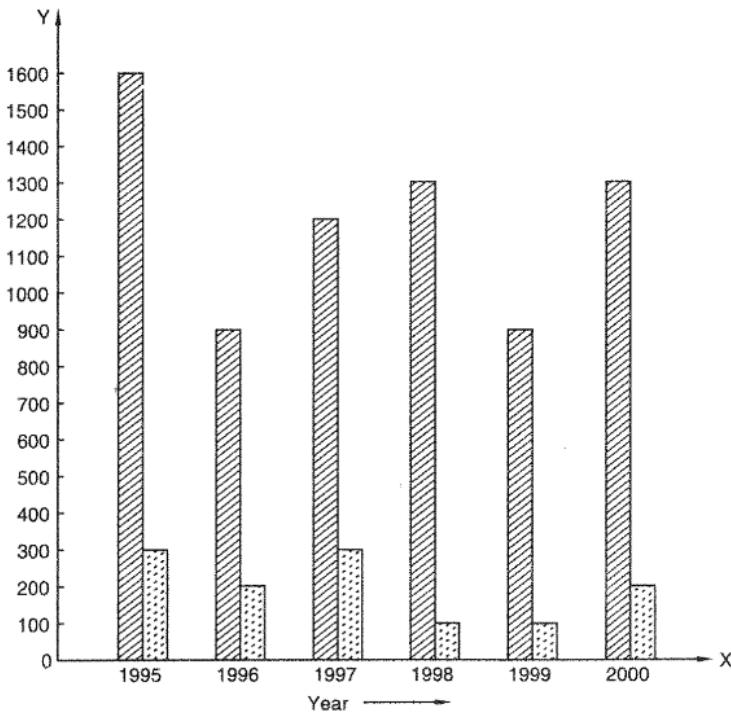

Fig. 23.23

A. 1996

B. 1997

C. 1999

D. 2000

Answer: D

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28. The production of saleable steel in some of the steel plants of our country during 1999 is given below: Plant, Bhilai, Durgapur, Rourkela,

Bokaro Production (in thousand tonnes), 160, 80, 200, 150 Construct a bar graph to represent the above data on a graph paper by using the scale 1 big divisions = 20 thousand and tonnes.

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29. The following data gives the number (in thousands) of applicants registered with an Employment Exchange during, 1995-2000: year, 1995, 1996, 1997, 1998, 1999, 2000 No. of

application (Registered (in Thousand), 18, 20, 24, 28, 30, 34 Construct a bar graph to represent the above data.

30. The following table gives the route length (in thousand kilometres) of the Indian Railways in some of the years: Year, 1960-61, 1970-71, 1980-81, 1990-91, 2000-2001 Route length (in thousand kilometres), 56, 60, 61, 74,

98 Represent the above data with the help of a bar graph.

31. The following data gives the amount of loans (in crores of rupees) disbursed by a bank during some years: Year, 1992, 1993, 1994, 1995, 1996 Loan (in crores of rupees), 28, 33, 55, 55, 80 Represent the above data with the help of a bar graph. With the help of the bar graph,

indicate the year in which amount of loan is not increased over that of the preceding year.

32. The following table shows the interest paid by a company (in lakhs): Year, 1995-96, 1996-97, 1997-98, 1998-99, 1999-2000 Interest (in lakhs of rupees), 20, 25, 15, 18, 30 Draw the bar graph to represent the above information.

33. The following data shows the average age of men in varicus countries in a certain year:

Country, India, Nepal, China, Pakistan, U.K., U.S.A

Average age (in years), 55, 52, 60, 50, 70, 75

Represent the above information by a bar graph.

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34. The following data gives the production of food grains (in thousand tonnes) for some years: Year   1995   1996

| 1997 | 1998 | 1999 | 2000 |

Production (in thousand tonnes)

| 120 | 150 | | 140 |

| 180 | | 170 | 190 |

Represent the above data with the help of a bar graph.

35. The following data gives the amount of manure (in thousand tonnes) manufactured by a company during some years: Year, 1992, 1993, 1994, 1995, 1996, 1997 Manure (In

thousand tonnes), 15, 35, 45, 30, 40, 20

Represent the above data with the help of a bar graph. Indicate with the help of the bar graph the year in which the amount of manure manufactured by the company was maximum. Choose the correct alternative: The consecutive years during which there was maximum decrease in manure production are:

1994 to 1995   (b)   1992 and 1993 1996-1997   (d)   1995 and 1996