

Bar Graph-Exercise Questions updated on Jan 2025

Directions for Questions 1 to 2: These Questions are based on the following table.

POPULATION OF FOUR METRO CITIES AT THE BEGINNING OF THE YEAR 1990

1. If Bombay were to become the most populous city at the end of the year, what is the least number of people who must shift to Bombay during the year, given that, every year 1% of its population shifts to other cities (Assume that the population of other metro does not change)?

- a. 6
- b. 1,04,64,301
- c. 1,05,706
- d. 1,05,705

2. If the most populous city has 40% female population, and the least has 35% female population, then the difference between male population of these two cities is closest to

- a. 60 lakh
- b. 57 lakh
- c. 17.9 lakh
- d. 56 lakh

Directions for questions 3 and 4: These questions are based on the graph given below, which shows the number of deaths due to fire accidents in the summer of 1992.

3. The average number of deaths per day during the given period is

- a. 22.04
- b. 22.5
- c. 23.09
- d. 21.08

4. Out of the total deaths from 30th March to 8th May, if 22% occurred in place X and 10% of them are because of cigarettes, then the number of fire accidents for the given period in place X because of cigarettes is approximately.

- a. 19
- b. 20

- c. 22
- d. 23

Directions for questions 5 to 7: These questions are based on the following bar diagram.

5. The average production for the last three years when compared with the average production for the first three years has dropped by

- a.5%
- b.3%
- c.9%
- d.7%

6. If $\text{Left over} = \text{Production} - \text{Consumption}$, then the year in which there is the least left over as a percentage of production is

- a.1995
- b.1992
- c.1991
- d.1993

7. Which of the following statements is true?

- a. There is a steady increase in production from 1991 to 1995.
- b. The consumption is increasing and decreasing in alternate years.
- c. The steepest increase in production immediately follows the steepest fall in consumption.
- d. None of the above.

Directions for questions 8 to 10: These questions are based on the following bar diagrams.

Note:

1. The players in the Commercial Vehicle Segment are Ashok-Leyland, Telco, Bajaj Tempo and DCM-Toyota.
2. The players in the Passenger Car Segment are Hind Motors, Maruti and Premier Auto.

8. What was the percentage increase in the sales of commercial vehicles over the one year period mentioned?

- a. 25%
- b. 16%
- c. $33 \frac{1}{3}\%$
- d. $22 \frac{6}{7}\%$

9. If Bajaj Tempo had a 10% share of the commercial vehicles market and sold its vehicles at 10% less than the list price, what were its sales (in rupees) in 1993-94, if the list price of its vehicles was Rs.10,000?

- a. 13572 crore
- b. 167.25 lakh
- c. 135.72 crore
- d. 167.25 crore

10. Which of the following is true of the percentage increase in the sales of passenger cars for the given period?

- a. It was higher than the percentage increase in the production of cars for the given period.
- b. It was lower than the percentage increase in the production of cars for the given period.
- c. It was equal to the percentage increase in the production of cars for the given period.
- d. Insufficient information to decide.

Answers & Explanations:

1. Exp: 1% shift = 105700

Also, Calcutta is 5 more than Bombay initially, so a minimum of 105706 people should come to Bombay for it to become the most populous city.

2. Exp: $10570005 \times 0.6 - 7000000 \times 0.65 =$

6 3 4 2 0 0 3

4 5 5 0 0 0 0

1 7 9 2 0 0 3

3. Exp: $970/44 = \text{Total deaths/Total days} = 22.04.$

4. Exp: $850 \times 0.22 \times 0.1 = 19.$

5. Read. %

Required % = $386/7330 \times 100 = 5.26\%$

lesser by $5.26\% \approx 5\%$ Choice(1)

6. By observation it is the least in 1995. Choice(1)

7. By observation, only statement three is true. Choice(3)

8. Percentage increase $3.02/12.06 * 100 = 25$ Choice(1).

9. Sales of Bajaj Temp 1993-94

$1.508 \times 10^5 \times 9000 = \text{Rs.}135.72 \text{ crores.}$ Choice(3).

10. The % increase of sales of cars = $4.59/16.48 * 100 \approx 27.5\%$

This is lower than the % increase in production of cars which is 28.57%.
Choice(2).