



Statistics (NCERT-Type MCQs)

Choose the correct option:

Q1. Which of the following is the correct definition of statistics?

- A. Study of shapes and figures B. Collection of qualitative facts
C. Collection, presentation and analysis of numerical data D. Study of numbers only

Q2. Which of the following data can be studied statistically?

- A. Beauty of a person
B. Intelligence of students
C. Heights of students of a class
D. Honesty of people

Q3. The arithmetic mean of the first 5 natural numbers is:

- A. 2 B. 3 C. 4 D. 5

Q4. The mean of the data 10, 15, 20, 25 is:

- A. 15 B. 17.5 C. 20 D. 22.5

Q5. Which measure of central tendency gives the middle value of the data?

- A. Mean B. Mode C. Median D. Range

Q6. The median of the data 3, 7, 5, 9, 11 arranged in ascending order is:

- A. 5 B. 7 C. 9 D. 11

Q7. The mode of the data 2, 4, 6, 4, 8 is:

- A. 2 B. 4 C. 6 D. 8

Q8. Which of the following data has no mode?

A. 1, 2, 2, 3

B. 3, 3, 3, 5

C. 2, 4, 6, 8

D. 1, 1, 2, 2

Q9. Which of the following is not a measure of central tendency?

A. Mean

B. Median

C. Mode

D. Range

Q10. Which measure of central tendency is affected most by extreme values?

A. Mean

B. Median

C. Mode

D. All are equally affected

Q11. The difference between the highest and lowest observation of a data is called:

A. Mean

B. Median

C. Mode

D. Range

Q12. The range of the data 12, 18, 25, 10, 20 is:

A. 10

B. 13

C. 15

D. 25

Q13. Which of the following graphs is suitable for continuous grouped data?

A. Bar graph

B. Histogram

C. Pie chart

D. Pictograph

Q14. In a histogram, the rectangles:

A. Have equal width always

B. Have gaps between them

C. Represent class intervals

D. Are drawn horizontally

Q15. The class mark of the class interval 20-30 is:

A. 20

B. 25

C. 30

D. 50

Q16. Which of the following is a limitation of statistics?

A. It deals with numerical facts only

B. It helps in comparison

C. It simplifies data

D. It helps in planning

Q17. Which measure of central tendency is most suitable for qualitative data?

- A. Mean B. Median C. Mode D. Range

Q18. If all the observations of a data are increased by 5, then the mean:

- A. Remains same B. Decreases by 5 C. Increases by 5 D. Becomes double

Q19. Statistics is useful in:

- A. Making predictions B. Forming policies C. Studying trends D. All of these

Q20. Which of the following statements is correct?

- A. Statistics gives exact results always B. Statistics can be misused
C. Statistics deals with non-numerical facts D. Statistics is meaningless

Answer Key

1-C, 2-C, 3-B, 4-C, 5-C, 6-B, 7-B, 8-C, 9-D, 10-A,
11-D, 12-B, 13-B, 14-C, 15-B, 16-A, 17-C, 18-C, 19-D, 20-B
