

# Test Paper 1

Code: 2026/DataHandling/C7/01

1. If the mean of  $x$ ,  $x+2$ ,  $x+4$ ,  $x+6$  and  $x+8$  is 11, then the mean of the first three observations is:
  - (a) 9
  - (b) 11
  - (c) 13
  - (d) 7
2. In a pie chart, a component representing 25% of the total data will have a central angle of:
  - (a) 45 degrees
  - (b) 90 degrees
  - (c) 120 degrees
  - (d) 60 degrees
3. The mode of the data 2, 3, 5, 3, 4, 7, 3, 2, 1, 7, 3 is:
  - (a) 2
  - (b) 3
  - (c) 7
  - (d) 5
4. The difference between the highest and lowest observations in a data set is called:
  - (a) Mean
  - (b) Range
  - (c) Median
  - (d) Mode
5. To represent the comparison of two sets of data simultaneously, we use:
  - (a) Simple Bar Graph
  - (b) Double Bar Graph
  - (c) Pie Chart
  - (d) Pictograph
6. The mean of first five prime numbers is:
  - (a) 5.6
  - (b) 5.4
  - (c) 5.0

- (d) 6.2
7. If the median of 11, 12, 14, 18,  $x+2$ ,  $x+4$ , 30, 32, 35, 41 arranged in ascending order is 24, find  $x$ :
- (a) 22
  - (b) 21
  - (c) 20
  - (d) 24
8. In a bar graph, the width of the bars:
- (a) Must be proportional to data
  - (b) Can be anything but uniform
  - (c) Represents the frequency
  - (d) Does not have mathematical significance
9. The mean of 10 observations was calculated as 40. It was later found that one observation 45 was misread as 15. The correct mean is:
- (a) 43
  - (b) 41
  - (c) 37
  - (d) 45
10. A bag has 4 red and 6 blue balls. The probability of drawing a red ball is:
- (a)  $\frac{1}{2}$
  - (b)  $\frac{2}{3}$
  - (c)  $\frac{2}{5}$
  - (d)  $\frac{3}{5}$
11. Which measure of central tendency is most affected by extreme values?
- (a) Mean
  - (b) Median
  - (c) Mode
  - (d) Range
12. The data collected directly from the source is called:
- (a) Secondary Data
  - (b) Primary Data
  - (c) Discrete Data
  - (d) Grouped Data

13. If the central angle for a category in a pie chart is 144 degrees, what percentage of the total does it represent?
- (a) 40%
  - (b) 30%
  - (c) 25%
  - (d) 50%
14. For which of the following is the mode always one of the numbers in the data?
- (a) Mean
  - (b) Median
  - (c) Mode
  - (d) None
15. The mean of five numbers is 27. If one number is excluded, the mean becomes 25. The excluded number is:
- (a) 35
  - (b) 45
  - (c) 25
  - (d) 30