Worksheet: Measures of Central Tendency (Mean, Median, Mode)

West Bengal State Board · Class 11 · Economics · 3 questions · 13 marks

Name: _____ Date: _____ Score: _____ / 13

Q1. The monthly incomes (₹000) of 8 workers are: 12, 15, 18, 22, 10, 14, 20, 25. Calculate the arithmetic mean. *[3 marks]*

Q2. Find the median for the following frequency distribution: Marks: 0–20: 5, 20–40: 15, 40–60: 20, 60–80: 8, 80–100: 2. N = 50. *[4 marks]*

Q3. For a frequency distribution, Mean = 54 and Median = 52. (a) Find Mode using the empirical relationship. (b) Calculate the arithmetic mean for the following discrete series: X: 10, 20, 30, 40, 50; f: 4, 7, 12, 8, 4. (c) State when to use each measure of central tendency. *[6 marks]*