# Class Test 1 – Units 1 & 2 – Question Paper

All questions are compulsory. Figures to the right indicate full marks.

Q1 (2 Marks): Define descriptive analytics and diagnostic analytics.

Q2 (2 Marks): Define hypothesis testing.

Q3 (3 Marks): List three measures of dispersion and define them.

Q4 (3 Marks): Explain what the correlation coefficient indicates.

Q5 (4 Marks): Explain sampling techniques with examples.

Q6 (4 Marks): Describe imputation methods for missing data.

Q7 (6 Marks): Explain the differences between ANOVA and the Chi‑Square test.

Q8 (6 Marks): Given the dataset {5, 7, 10, 12, 13, 15}, compute the mean, variance and standard deviation and interpret.