M.Sc. DEGREE EXAMINATION, EVEN SEMESTER 2021
II Year III Semester
Applied Multivariate Analysis

Max.marks :25

Answer any **FIVE** questions $(5 \times 5 = 25)$ Marks

1. Describe One-way Multivariate Analysis of Variance.

2. Explain the parameter estimation by principal component in factor analysis.

3. Describe the procedure involved in testing the significance of canonical correlation.

4. Elucidate the Classification problem and standards of good classification.

5. Describe hierarchical clustering techniques.

6. Explain the procedures of classification into one of two populations with known probability distributions

7. Define the following method:
   (a) Single linkage (b) Complete linkage (c) Average linkage.