

**M.Sc. DEGREE EXAMINATION, ODD SEMESTER 2020**  
**II Year and III Semester**  
**Applied Multivariate Analysis**

**Max.marks :25**

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

1. Write a short note on Paired T test.
2. State and prove two ways MANOVA.
3. State the allocation rule based on Fisher's discriminant function.
4. What is factor loading?
5. Define first and second canonical variate pairs.
6. Write a short note on Similarity measures, correlation and Distance measures.
7. Prove that the principal components are uncorrelated and have variances equal to the eigen values.