

B.Sc DEGREE EXAMINATION, EVEN SEMESTER 2021
II Year IV Semester
Statistical Inference - I

Max.marks :25

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

1. State and prove Neyman factorization theorem
2. State and prove Rao-blackwell theorem
3. Describe the steps involved in Method of Minimum chi square
4. Illustrate Confidence Interval for proportions with example
5. Describe t-test concepts based on test of significance
6. State Cramer Rao inequality. Define BLUE and MVUE.
7. Explain method of moments