M.Sc. DEGREE EXAMINATION,ODD SEMESTER 2020
II Year III Semester
Survival Analysis

Max.marks :25

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

1. Explain the Mean and median residual life and their elementary properties.
2. Derive the failure rate for gamma and exponential distribution.
3. Obtain the survival function using reduced sample method.
4. Describe the Mantel - Haentzel Test.
5. Explain Extended Cox's model.
6. Describe about IFR, IFRA, NBU and NBUE.
7. Describe about the Censoring mechanism and truncations.