M.Sc. DEGREE EXAMINATION,ODD SEMESTER 2020
II Year III Semester
Sample Survey Designs

Max.marks :25

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

1. Explain the general selection procedure of selecting pps sample.

2. Prove that the systematic sampling is more precise than simple random sampling without replacement if the variation within the systematic sample is larger than the population variance as a whole.

3. Describe the methods of allocating a sample to different strata.

4. Obtain the bias of regression estimator.

5. Obtain the upper bound to the ratio of the bias to its standard error.

6. Mention the advantages of cluster sampling.

7. Explain non-sampling errors.