

B.Sc DEGREE EXAMINATION, EVEN SEMESTER 2021
III Year VI Semester
Statistical Quality Control and Reliability

Max.marks :25

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

1. Compare Process Control and Product Control.
2. Interpret \bar{X} and R charts
3. Compute Operating Characteristic (OC) function for Double Sampling Plan
4. Evaluate the five points on Average Sample Number (ASN) curve.
5. Determine the reliability and Mean Time to Failure for a parallel configured system when the life time of each component follows exponential distribution.
6. Determine the reliability of the serial configuration when the life time of each component follows exponential distribution.
7. Organise the operating procedure of the double sampling plan.