

## Faculty of Science

B.Sc.(Statistics) III-Year ,CBCS-V Semester Backlog Examinations –January,  
2021

**ELECTIVE PAPER-I: STATISTICAL QUALITY CONTROL AND RELIABILITY****Time: 2 Hours:****Max Marks: 60**

I. Answer any **THREE** of the following questions. **(3 X 20=60 Marks)**

1. What do you understand by Statistical Quality Control? Briefly discuss its need and utility in industry.
2. Explain the construction of P-Chart in detail.
3. Explain the construction of C-Chart for fixed and variable sample sizes.
4. Distinguish between control charts for variables and control charts for attributes with suitable examples.
5. Draw the flowcharts for Single Sampling Plan and Double Sampling Plan.
6. Explain Reliability of Series and Parallel systems.

\*\*\*\*\*