B.Sc. DEGREE EXAMINATION, EVEN SEMESTER 2021
III Year VI Semester
Stochastic Processes

Max.marks : 25

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

1. Explain the classification of stochastic Process.
2. Define Markov chain with example.
3. Explain Poisson Process.
4. Write a note on pure birth process
5. Derive E(n) and V(n) of M/M/1 infinite model.
6. Derive the Chapman - Kolmogorov equation of discrete model.
7. What are the elements of queuing system?