**B.Sc Semester-III (HONS) Examination, 2022**

**COMPUTER SCIENCE (HONS)**

**Subject Code: 31523 Course Code: SH/CSC/303/C-7**

**Course Title: COMPUTER NETWORKS(Practical)**

**Time: 2 Hours Full Marks: 15**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words*

*as far as practicable.*

*The questions are of equal value.*

*(VIVA = 5, Experiment = 10)*

Perform any ***one*** experiment: 10×1=10

1. Simulate cyclic redundancy check (CRC) error detection algorithm for noisy channel.
2. Simulate and implement stop and wait protocol for noisy channel.
3. Simulate and implement go back n sliding window protocol.
4. Simulate and implement Dijkstra algorithm for shortest path routing.