

**B. Sc. (HONOURS) THIRD SEMESTER EXAMINATIONS, 2021
RAMANANDA COLLEGE**

Subject: Computer Science

Course Code: SH/CSC/303/C-7

Course ID: 31523

Course Title: Computer Networks (Practical)

Full Marks: 15

Time: 2 Hrs.

The figures in the margin indicate full marks

1. Answer *any one* of the following questions: (15)

- a) Simulate Cyclic Redundancy Check (CRC) error detection algorithm for noisy channels.
- b) Simulate and implement go back n sliding window protocol.
- c) Simulate and implement stop and wait protocol for noisy channel.
- d) Simulate and implement distance vector routing algorithm.
- e) Simulate and implement selective repeat sliding window protocol.
- f) Simulate and implement Dijkstra algorithm for shortest path routing.

Signature of Moderators _____

Date _____