



'समानो मन्त्रः समितिः समानी'

**UNIVERSITY OF NORTH BENGAL**

B.Sc. Honours 3rd Semester Examination, 2022

**CC7-COMPUTER SCIENCE (33L) (PRACTICAL)**

**COMPUTER NETWORKS LAB**

Time Allotted: 2 Hours

Full Marks: 20

*The questions are of equal value.  
The figures in the margin indicate full marks.*

Program Executive : 10

Viva-voce : 05

Assignment Copy : 05

20

**Answer any *one* question on lottery basis**

1. Simulate Checksum algorithm using a suitable programming language.

2. Simulate VRC algorithm using a suitable programming language.

3. Simulate Hamming Code algorithm using a suitable programming language.

4. Simulate and implement Dijkstra algorithm for shortest path routing.

5. Simulate and implement selective Reject ARQ using a suitable programming language.

6. Simulate and implement the recovery of data sent by station 'B' if the binary chip sequence of station 'A' is '00011011' and station 'B' is '00101110' using CDMA.

—x—