SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
B.Sc. (CS) END SEMESTER EXAMINATIONS APRIL-2023
SEMESTER - VI
20UCSET6E02 - Computer Networks

Total Duration : 2 Hrs 30 Mins. Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30$ Marks$)$

1. Describe network software with example.

2. Illustrate circuit switching and packet switching.

3. Demonstrate the working principles of CRC with an example.

4. Explain the concept of framing with example.

5. Interpret the features of pure ALOHA.

6. Compute the efficiency of a shortest path routing algorithm with examples.

7. Discuss IP address with example.

8. Examine the concept of cryptography with example.

Section C

Answer any **THREE** questions $(3 \times 10 = 30$ Marks$)$

9. Explain OSI reference Model with diagram.

10. Compute the working strategy of sliding window protocol with diagram.

11. Discriminate the problems of channel allocation with example.

12. Apply traffic aware routing to minimize network congestion.

13. Evaluate the procedure to establish the connection with neat diagram.

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