

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. END SEMESTER EXAMINATIONS APRIL-2022

SEMESTER - II

21UCGCT2002 - Computer Networks

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Write brief introduction to network by scale.
2. Compute CRC for Frame: 1101011111, Generator: 10011
3. Explain pure ALOHA in multiple access protocol.
4. Illustrate traffic throttling in congestion control algorithms.
5. Give architecture and services of the email system in Application layer.
6. Differentiate Fiber optics and Copper wire.
7. Sketch and brief about the layout of TCP header.
8. Describe classic Ethernet MAC sublayer protocol.

Section B

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

9. Describe OSI reference model with neat diagram.
10. Explain Go- Back-N sliding window protocol.
11. Classify Wireless LAN and Wired LAN. Elaborate the wireless LAN with neat diagram.
12. Identify the optimal path using shortest path algorithm. Explain with neat and suitable example.
13. Examine Nagle's algorithm in TCP sliding window.
