

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.DS - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - V

**22UDSCT5006 - Computer Networks**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### **Section B**

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

1. Define network software & hardware.
2. Explain Guided media with neat diagrams.
3. What are different services provide by data link layer?
4. Explain about the Carrier Sense Multiple Access Protocols.
5. Discuss the different IP addressing methods.
6. Explain about the Elementary data link protocols.
7. Describe the routing techniques work.
8. Explain the encryption and decryption methods.

### **Section C**

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

9. Explain the ISO-OSI model of computer network with a neat diagram.
10. Compute the data Link Layer switching.
11. Describe sliding window protocol using Go back n.
12. Explain about the Routing algorithms.
13. Briefly explain the internet transport protocols.

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