

**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 EXAMINATION APRIL/NOV - 2021

SEMESTER - VI

18UCSCE6AD2 & UCS/CE/6AD2 - Computer Networks

| | |
|-------------------------------|-------------------------|
| Total Duration : 3 Hrs | Total Marks : 75 |
| MCQ : 30 Mins | MCQ : 15 |
| Descriptive : 2 Hrs.30 Mins | Descriptive : 60 |

Section B

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

1. Differentiate circuit switching and packet switching.
2. What are the categories of twisted pair cable? Explain
3. Briefly explain the error detection methods.
4. What are the functions of data link layer? Explain
5. Explain the Categories of Multiple Access Protocols.
6. What is Manchester encoding in Ethernet? Explain
7. Briefly explain the IP Address format.
8. Explain the Elements of Transport Protocols.

Section C

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

9. Briefly explain the OSI Reference Models.
10. What are the elementary data link protocols? Explain
11. Discuss the Design issues in Network layer.
12. Discuss briefly the functions of application layer and design issues.
13. Explain Wireless LANs and write its advantage and disadvantages.

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