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.Computer Science - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - VI
22UCSCT6009 - Computer Networks

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

Section B

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

1. Explain the personal area networks in detail.

2. Describe the sliding window protocol.

3. Classify the virtual circuit and datagram networks.

4. Illustrate the DNS name space and resource records using an example.

5. What is transmission media ? Explain the coaxial cable and twisted pairs.

6. Apply the error detection and correction concepts using local area networks.

7. Describe the IPV4 with an example.

8. Differentiate the TCP and UDP using an example.

Section C

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

9. Illustrate the layers of TCP/IP using neat diagram.

10. Apply the frequency division multiplexing for transferring messages using TCP/IP.

11. Discriminate the example data link layer protocols.

12. Classify the routing algorithms. Write brief note on
    i)link state routing ,   ii) Distance vector routing.

13. Ascertain the performance issues of computer networks.

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