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 - VI
19UCSET6E02 - Computer Networks

Total Duration : 3 Hrs.   **Total Marks : 60**

Section A

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

1. What are the applications of computer network?

2. Write short notes on classes of IP addresses.

3. Why layered approach is chosen for network architecture?

4. Explain the distance vector routing with example.

5. Describe the internetworking devices briefly.

6. Distinguish between packet switching and circuit switching.

7. Give the cryptographic principles and explain.

8. Describe the role of Manchester encoding.

Section B

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

9. Describe the OSI reference model with a neat diagram.

10. Explain how sliding window protocol controls the flow of data in network.

11. What is channel allocation problem? Explain its types.

12. Discuss the design issues and responsibilities of network layer.

13. Draw the TCP state transition diagram and explain connection management.

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