



AL - 0536

B. C. A. (Part - II) Fourth Semester

Networking**Paper - 4 ST 4**

P. Pages : 2

Time : Three Hours

Max. Marks : 60

- Note :
1. All questions are compulsory.
 2. Figures to the right indicate full marks.
 3. Assume suitable data wherever necessary.
 4. Illustrate your answer with the help of neat sketches wherever necessary.

1. a) Explain Ring Topology with a neat diagram. 6
b) State and Explain Advantages and Disadvantages of computer Networks. 6

OR

2. a) Show the various layers in the OSI model and Explain the function of each layer. 6
b) Differentiate between LAN and WAN. 6
3. a) Explain Modem and what purpose do they serve in Data communication system ? 6
b) Differentiate between Digital and Analog Data Transmission. 6

OR

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4. a) Explain Media Access control. 6
b) Explain Digital Data transmission with neat diagram. 6
5. a) Explain Asynchronous protocols. 6
b) Explain the term Transmission Efficiency. 6

OR

6. a) Explain the different types of Network topologies. 6
b) Explain Hypertext Transfer protocol. 6
7. a) Explain the various components of a LAN. 6
b) State and Explain Token Ring. 6

OR

8. a) Differentiate between FDDI frame and Token Ring frame. 6
b) What is switched Network ? Explain circuit switched Networks. 6
9. a) Explain different communication services. 6
b) Explain Packet Switched Network. 6

OR

10. a) Explain dedicated circuit services. 6
b) Explain the term Network Security. 6
