PART—A   3×10=30

Instruction : (1) Answer **all** questions. Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed **five** simple sentences.

1. Define a Topology and List the types of it.

2. List the Hardware and Software components used for a Network.

3. What is the relation between Bandwidth and Distortion?

4. List the common middle-layer protocols used in LANs.

5. What are the main advantages of FDDI?

6. Identify the components of an IP Address.

7. Name the YPN Protocols.

8. Classify the devices used in an X.25 connection.

9. What are the components of the ISO Network Management Model.

10. What is meant by Ethernet?

PART—B

10×5=50

Instruction : (1) Answer any **five** questions

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answers.

11. Explain the OSI Reference Model.

12. Explain the LAN Transmission Media (or) LAN Cables.

13. Explain the Simple Mail Transfer Protocol.

14. Explain Internet Protocol version 6(IPv6).

15. Explain the Very Small Aperture Terminal (VSAT).

16. Describe the Local Area Network Emulation (LANE).

17. Write about Variable Length Subnet Masking (VLSM)

18. Explain Simple Network Management Protocol.

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