Unit I

1) State and explain the components of data communication and networking in brief?

2) Draw and explain OSI reference model. Explain the function of each layer.

3) Explain following networking devices?
   Hub, Bridge, Switch, Router

4) Draw and explain TCP/IP model. explain the function of each layer.

5) What are various design issues for the layers that occur in computer network.

6) Explain in brief guided and unguided transmission media with example?

7) Explain various connectionless and connection-oriented services?

Unit V

1) What is User Datagram Protocols? Explain in details.

2) Draw & Explain Protocol scenario for establishing connection using three-way handshaking?

3) Differentiate between Connectionless and connection-oriented service

4) Explain Client/Server Paradigm.

5) Explain the services of Application-Layer in details

6) Explain the services of Presentation-Layer in details

7) What are the design issues of Transport layer? Explain services of transport layer?

8) Differentiate between TCP and UDP Protocols.

9) Explain TCP header in brief with neat labelled diagram?