Computer Networks

Important 13mark questions

Unit I

1. Draw the OSI network architecture and explain the functionalities of every layer in detail.
2. Discuss the approaches used for error detection in networking.
3. Discuss in detail about Internet Architecture.

Unit II

1. Explain the architecture of IEEE 802.11 wireless LAN.
2. Explain in detail about the access method and frame format used in Ethernet and token ring.
3. Outline the working principle of Bluetooth technology.

Unit III

1. Describe distance vector routing.
2. Discuss in detail about open source shortest path routing with neat diagram.
3. Elaborate on multicast routing protocol.

Unit IV

1. With neat architecture, explain TCP in detail.
2. Write a detailed note on congestion avoidance mechanisms used in TCP.
3. Explain the congestion control techniques used to improve QoS of the computer networks.

Unit V

1. Explain the message transfer using Simple Mail Transfer Protocol.
2. Explain in detail about SNMP messages.
3. What is Domain Name System (DNS)? Explain.