Assignment: module-5 : Networking Fundamentals and building Networks

SECTION 1: MULTIPEL CHOICE

Q1. What is the primary function of a router in a computer network?

ANS: C) Forwarding data packets between networks.

Q2. What is the purpose of DHCP in a computer network?

ANS: Dynamically assigning IP addresses to devices.

Q3. Which network device operates at layer 2 of the OSI model and forwards data packets based on MAC addresses?

ANS: Switch

Q4. Which network topology connects all device in a liner fashion, with each device connected to a central cable o backbone?

ANS: Star

Section :2 True/False

Q5. TRUE/FALSE:A VLAN network allows administrators to logically segment a single physical network into multiple virtual networks . Each with owns broadcast domain .

ANS : TRUE

Q6 : TRUE/FALSE: TCP is a connectionless protocal that provides reliable , orderd , and errorcheck delivery of data packets over a network.

ANS : FALSE

Q7 : TRUE/FALSE: A firewall is hardware or software based security systems that monitors and controls incoming and outgoing network traffic based on predetermined security rules.

ANS : TRUE