**=Assignment module -3**

**Understanding and Maintenance of networking**

**Section 1: multiple choice**

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

Ans: C) forwarding data packets between networks

1. What is the purpose of DNS (Domain Name system) in a computer network?

Ans: C) Converting domain names to IP addresses

1. What type of network topology uses a centralized hub or switch to connect all devices?

Ans: A) STAR

1. Which network protocol is commonly used for securely accessing and transferring files over a network?

Ans: B) FTP

**SECTION 2- TRUE OR FALSE**

1. A firewall is a hardware or software-based security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules.

Ans: TRUE

1. DHCP ( Dynamic host Configuration protocol) assigns static IP addresses to network devices automatically.

Ans: FALSE

1. VLANs ( Virtual Local Area Networks) enable network segmentation by dividing a single physical network into multiple logical networks.

Ans: TRUE