

## Assignment module : 6

### Network Security, Maintenance, and troubleshooting Procedures

#### Section 1: Multiple Choice

1. What is the primary purpose of a Firewall in a network security infrastructure?

Ans : B) Filtering and controlling network traffic

2. What type of attack involves flooding a network with excessive traffic to disrupt normal operation ?

Ans : A) Denial of Service (DoS)

3. Which encryption protocol is commonly used to secure wireless network communications ?

Ans: B) WPA ( WI-FI Protected Access)

4. What is the purpose of a VPN ( Virtual private network) in a network security context ?

Ans : A) Encrypting network traffic to prevent eavesdropping

#### Section 2: True or false

1. Patch management is the process of regularly updating software and firmware to address security vulnerabilities and improve system performance.

Ans : True

2. A network administrator should perform regular backups of critical data to prevent data loss in the event of hardware failures, disasters, or security breaches.

Ans: True

3. Traceroute is a network diagnostic tool used to identify the route measure the latency of data packets between a source and destination device.

Ans : True

#### Section 3: short answer

8. Describe the involved in conducting a network vulnerability assignment.

Ans :