1

Question: What is the primary function of a network?

A) To store files securely

B) To share resources, exchange files, and enable communication

C) To provide entertainment

D) To perform complex calculations

Correct Answer: B

2

Question: How many layers are in the OSI reference model?

A) 4

B) 5

C) 6

D) 7

Correct Answer: D

3

Question: Which layer of the TCP/IP model is responsible for end-to-end communication and error-free delivery of data?

A) Application Layer

B) Internet Layer

C) Transport Layer

D) Network Access Layer

Correct Answer: C

4

Question: What is the function of a repeater in a network?

A) To amplify the signal

B) To regenerate the signal at its original strength

C) To filter content by reading MAC addresses

D) To connect multiple devices in a network

Correct Answer: B

5

Question: Which network topology connects all devices to a central hub or switch?

A) Bus Topology

B) Ring Topology

C) Star Topology

D) Mesh Topology

Correct Answer: C

6

Question: What is attenuation in the context of transmission media?

A) Distortion of the signal shape

B) Addition of unwanted signals creating noise

C) Loss of signal strength over distance

D) Delay caused by different propagation speeds of frequency components

Correct Answer: C

7

Question: What does TCP stand for in networking?

A) Transmission Control Protocol

B) Transport Communication Protocol

C) Total Control Process

D) Transfer Control Protocol

Correct Answer: A