

QUESTIONS HUB

A. Tick (✓) the correct answer.

1. The cable TV network is an example of
 a. PAN ☐ b. LAN ☐ c. MAN ☐ d. WAN ☒
2. Which type of network will be used for video conferencing by a company that has offices in India, US and Japan?
 a. PAN ☐ b. LAN ☐ c. MAN ☐ d. WAN ☒
3. All computers that are connected to the server are called
 a. Laptop ☐ b. LAN ☐ c. Nodes ☒ d. Hub ☐
4. Name a topology where each device is connected to a central device.
 a. Ring ☐ b. Bus ☐ c. Tree ☐ d. Star ☒
5. Which of the following uses light waves for transmission of data?
 a. Twisted pair cable ☐ b. Optical fibres ☒
 c. Coaxial cables ☐ d. All of these ☐

B. Fill in the blanks.

1. WAN is a computer network which extends from cities to countries.
2. A BUS topology is a network where each computer and network device are interconnected with one another.
3. Wireless network uses electromagnetic waves, radio or infrared waves for data transmission.
4. The smallest LAN may connect just two computers.
5. A tree topology is also known as a Hierarchical.

C. Write T for True and F for False.

1. LAN (Local Area Network) covers a small geographical area, like a single building or campus.
2. Wired networks are ideal for environments where devices need to move frequently.
3. MAN (Metropolitan Area Network) is suitable for connecting devices within a single room.
4. If the central bus cable fails, only the affected device will be disconnected, and the rest of the network will remain operational.
5. Star topology is easy to expand by adding more devices to the central hub.
6. Wired networks are generally more stable and secure than wireless networks.

☐ T
☐ F
☐ F
☐ F
☐ T
☐ T