

Worksheet – Chapter 1: Computer Network

Multiple-choice questions

1. A computer network is a connection of _____.
a) Only one computer b) Two or more computers c) Printers d) Books
2. PAN covers an area of about _____.
a) 100 metres b) 10 metres c) 1 km d) 100 km
3. Which of the following is an example of WAN?
a) School lab b) ATM network in city c) Internet d) Mobile hotspot
4. In star topology, all devices connect to a _____.
a) Cable b) Central hub c) Mouse d) Keyboard
5. The full form of MAN is _____.
a) Metropolitan Area Network b) Main Area Network
c) Medium Access Network d) Multi Area Network

Fill in the blanks

1. A computer network helps in sharing _____ and information.
2. In LAN, the data transmission speed is very _____.
3. A _____ is the smallest type of network used for personal devices.
4. The main cable in bus topology is called the _____.
5. WAN covers a very _____ geographical area.

True/False

1. In a ring topology, data travels in a circular path. (True/False)
2. PAN is used to connect devices within a single room only. (True/False)
3. Data redundancy means storing the same data multiple times. (True/False)
4. WAN stands for Wide Access Network. (True/False)
5. In a mesh topology, every device is connected to every other device. (True/False)

Match the following

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|------------------|--------------------------------|
| A. PAN | 1. Small personal area |
| B. LAN | 2. Covers a building or campus |
| C. Ring Topology | 3. Circular data flow |
| D. WAN | 4. Covers entire world |
| E. Star Topology | 5. Central hub |

Short answer questions

1. What is a computer network?
2. Write any two advantages of computer networks.
3. What is the difference between PAN and LAN?
4. Explain any one network topology.
5. What is the main characteristic of WAN?