

MEETING NINE ASSIGNMENT

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Abstract

Meeting 9 discusses the fundamental concepts of computer networks, covering their definition, benefits, types, components, and related technical terms. A computer network is defined as a collection of interconnected devices that facilitate communication and resource sharing, such as hardware (like printers) or data/information. Its main benefits include cost efficiency (hardware sharing) and ease of information access (file sharing). Network types are distinguished by their geographical scope, such as LAN (local, within a single building), WAN (wide area, via the internet), as well as CAN and MAN for campus or metropolitan areas.

This material emphasizes the importance of computer networks in supporting digital collaboration in academic, business, and household environments. This foundational understanding serves as a basis for developing further technical skills in the field of networking and information technology.

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Jawaban:

1. What is a network?

A network is defined as a set of items connected together into one unit. In a computing context, it is a collection of computers that are connected to each other.

2. What is a computer network?

A computer network is a group of interconnected computers. The network enables these computers to communicate with one another and share resources and information.

3. What are the benefits of a computer network?

- Sharing hardware resources easily.
- Sharing information easily.

4. What does NIC stand for? And what is it?

NIC stands for Network Interface Card. It is a piece of computer hardware designed to allow a computer to communicate over a computer network.

5. What is a repeater?

A repeater is an electronic device that receives a signal and retransmits it at a higher power level, which allows the signal to cover longer distances without degradation.

6. What is Topology? Give some examples of Topology.

Topology refers to the geometric arrangement of a computer system. Common examples of topologies are bus, star, and ring.

7. What is a “Node”?

Computers on a network are sometimes called nodes..

8. What is a “Server”?

Servers are the computers and devices that allocate resources for a network.