

## Introduction to Computer Networks

Sr	Questions	Answers Choice
1	What is a key benefit of using computer networks in businesses?	A. Increase computational power B. Enable resource sharing and efficient communication C. Enhance graphic capabilities D. Improve software development
2	Which is the device that initiates the communication process?	A. Networks B. Machine C. Sender D. Center
3	Which protocol is used to convert domain names into IP addresses?	A. DHCP B. DNS C. ARP D. IP
4	----- is a device that receives messages. It is also known as sink	A. computers B. Computer Networks C. Rules D. Receiver
5	Which layer of the OSI is responsible for node-to-node data transfer and error detection?	A. Physical Layer B. Data link layer C. Network layer D. Transport Layer
6	Which topology connects all devices of the network through a single common cable having exactly two end points?	A. Bus B. Ring C. Topology D. Machines
7	Which method of data transmission uses a dedicated communication path.	A. Half Duplex B. Circuit Switching C. Packet Switching D. Full Duplex
8	In which topology a computer can send data to its immediate neighbor	A. Machine B. Topology C. Ring D. Star
9	Email stands for	A. Center B. Problem C. Mail Electronic D. Electronic Mail
10	The IPv4 address is made up of.....binary bits	A. 31 B. 29 C. 32 D. 30
11	What is encapsulation in the context of network communication?	A. Monitoring Network traffic B. Translating domain names to IP addresses C. Wrapping data with protocol information D. Converting data into a secure format
12	Which type of network spans a large geographic area, such as a country or the world.	A. LAN B. MAN C. PAN D. WAN
13	Which layer of the OSI model is responsible for end-to-end communication and error handling?	A. Network layer B. Data Link Layer C. Transport Layer D. Application Layer
14	Which network topology connects all devices to a central hub?	A. Ring B. Star C. Mesh D. Bus

15 IPV4 is divide in ....groups by. A. 2  
B. 3  
**C. 4**  
D. 5

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16 Which protocol is used for reliable data transfer in the TCP/IP mode? A. HTTP  
B. FTP  
C. UDP  
**D. TCP**

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17 What is the function of the Domain Name System (DNS)? A. Assign IP addresses dynamically  
B. Monitor network traffic  
**C. Translate domain names to IP addresses**  
D. Secure data communication

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18 Which device is used to connect multiple devices within a local area Network and direct data only to the intended recipient? A. Hub  
B. Router  
C. Repeater  
**D. Switch**

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19 DHCP stands for A. Data Hosting computer Protocol  
B. Dynamic Host Computer Protocol  
**C. Dynamic Host configuration Protocol**  
D. None of the above

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20 In Bus topology single common cable is also called. A. Hard  
B. Normal  
**C. Backbone**  
D. simple