ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

WORKSHEET – 9 (Answer Key)

Topic – Network Topologies and architecture

Subject: COMPUTER SCIENCE   Class - 12   F.M:15

Chapter: Network Topologies and architecture   Date: 15/05/2020

1. A term that refers to the way in which the nodes of a network are linked together.
   a) network
   b) **topology**
   c) connection
   d) interconnectivity

2. A _____ topology is a special type of structure in which many connected elements are arranged like the branches of a tree.
   a) Ring
   b) **Tree**
   c) Bus
   d) Star

3. The participating computers in a network are referred to as:
   a) Clients
   b) Servers
   c) **Nodes**
   d) CPUs

4. A _____ WAN can be developed using leased private lines or any other transmission facility
   a) Hybrids
   b) **peer-to-peer**
   c) Two-tiered
   d) Three-tiered

5. It is a topology for a Local Area Network in which all the nodes are connected to a single cable.
   a) **Bus**
   b) Ring
   c) Daisy chains
   d) Star

6. Which of the following is a basic network topology?
   a) mesh
   b) ring
   c) Bus
   d) **All of these**

7. Which of the following is a basic network topology?
   a) **tree**
   b) point-to-point

c) multi-point
d) All of these

8. In a _____ relationship, the link is shared equally between devices.
   a) **peer-to-peer**
   b) point-to-point
   c) master-slave
   d) All of these

9. _____ is a network topology in which each node connects to exactly two other nodes, forming a single continuous pathway for signals through each node.
   a) Bus
   b) **Ring**
   c) Mesh
   d) Star

10. In which of the following, every host is connected to a central hub?
    a) Bus
    b) Ring
    c) Mesh
    d) **Star**

11. _____ is a type of networking where all nodes cooperate to distribute data amongst each other.
    a) Bus
    b) Ring
    c) **Mesh**
    d) Star

12. Devices in a ring or mesh topology are usually configured in a _____ relationship.
    a) **peer-to-peer**
    b) point-to-point
    c) master-slave
    d) All of these

13. A network in which every computer is capable of playing the role of client, server or both.
    a) **peer-to-peer**
    b) LAN
    c) client -server
    d) All of these

14. Central Computer which is powerful than other computers in the network is called as:
    a) **server**
    b) client
    c) hub
    d) switch

15. Machine that places the request to access the data is generally called as:
    a) server
    b) **client**
    c) hub
    d) switch

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