



FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



WORKSHEET – 9

Topic – Network Topologies and architecture

Subject: COMPUTER SCIENCE

Class - 12

F.M:15

Chapter: Network Topologies and architecture

Date: 16/05/2020

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