



FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



WORKSHEET – 10 (Answer Key)

Topic – MAC, token ring and LAN Networking Devices

Subject: COMPUTER SCIENCE

Class - 12

F.M:15

Chapter: Local Area Network(LAN)

Date: 18/05/2020

Choose the correct answer for each question:

[15 x 1 =15]

1. A _____ is a hardware component, typically a circuit board or chip, which is installed on a computer so that it can connect to a network.
 - a. **Network interface card (NIC)**
 - b. Hub
 - c. Router
 - d. Bridge
2. A frame in token ring network is transmitted in _____ direction of the token.
 - a. **Same**
 - b. Opposite
 - c. Depends on the network
 - d. None of these
3. Token ring network is connected in _____.
 - a. Mesh topology
 - b. Bus topology
 - c. **Ring topology**
 - d. All of these
4. _____ is embedded into network card (known as **Network Interface Card**) during the time of manufacturing.
 - a. **MAC address**
 - b. IP address
 - c. LLC address
 - d. Port number
5. A node in a network is:
 - a. A Computer
 - b. A Mobile
 - c. Any Network device
 - d. **All of these**
6. When the signal becomes weak, _____ copy the signal bit by bit and regenerate it at the original strength.
 - a. **Repeater**
 - b. Hub

- c. Switch
 - d. NICs
7. A _____ is a device that channels incoming data from multiple input ports to a specific output.
- a. Repeater
 - b. Hub
 - c. **Switch**
 - d. NICs
8. Which type of network links the devices in a single office, building, or campus?
- a. **LAN**
 - b. MAN
 - c. WAN
 - d. All of these
9. It is also known as an intelligent device as it can calculate the best route to pass the network packets from source to the destination automatically.
- a. Switch
 - b. **Router**
 - c. Gateway
 - d. All of these
10. A _____ is a networking device that is used to connect two local area networks (LANs) by using media access control addresses and transmit the data between them.
- a. Switch
 - b. Router
 - c. **Bridge**
 - d. All of these
11. A token ring network is a _____ whose topology prevents the collision of data between two computers.
- a. **LAN**
 - b. MAN
 - c. WAN
 - d. All of these
12. Which of the following is correct about token ring network?
- a. Token holder can only send data
 - b. Token is a three-byte frame
 - c. Token travels around a ring
 - d. **All of these**
13. A _____ joins two networks so that devices on one network can communicate with the devices on another network.
- a. Switch
 - b. **Gateway**

- c. Bridge
 - d. All of these
14. MAC stands for:
- a. Many Access Cable
 - b. Media Access Cable
 - c. **Media Access Control**
 - d. Media Always Control
15. The data in token ring flows in _____ direction.
- a. Anti-clock wise
 - b. **Clock wise**
 - c. Depends on the data
 - d. Random

Phalguni Pramanik