



# 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

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