**TOPIC 2: Networks and systems technologies**

**Instructions**:

1. Answer the multiple-choice questions: Type or choose the correct answer to the questions below.

“*Click or tap here to enter text*” in the space provided or choose correct answer from drop-down list.

2. Change the font colour to **red** when you enter the letter or text to complete the answers.

3. Save the answer file as **Networks Systems**

1. Name the term defined by given below statement:

"Communications media, devices, and software connecting two or more computer systems or devices." Click or tap here to enter text.

2. Which cable networks are used for LAN connections? Click or tap here to enter text.

3. In computer networks, computing devices that route and terminate the data are called network Choose an item.

4. A computer network is a group of (i) Choose an item. that are (ii) Choose an item. to each other for the purposes of (iii) Choose an item. A computer (iv) Choose an item. allows computers to communicate with many other computers and to (v) Choose an item. resources and information.

5. A PAN is a\_.

(a) Network that operates in a large area, such as across a country

(b) Network built for a single person connecting all the devices

(c) Very small network that usually covers a single home

(d)Network that operates in a small area, such as a house, school or office

Answer: Click or tap here to enter text.

6. A computer connected with LAN Choose an item.

7. A group of computers connected together with the help of cables within an office building is called Choose an item.

8. A switch is a device that\_\_\_\_\_\_\_.

(a)Shares information between specific computers without involving the other computers in the network

(b)Makes the decisions about all the messages that pass through the network

(c) Connects a computer or network to the internet

(d) Allows computing devices to connect to a wireless network without cables

Answer: Click or tap here to enter text.

9. Which of the following statements is not true about LAN? Click or tap here to enter text.

(a) LAN is designed for a small geographical area

(b) LAN's operate at higher speed than WANs

(c) LANs are privately owned networks

(d) LANs can share data across the world

10. Network formed between computers which is spread across the continents is called:

(a) LAN

(b) WAN

(c) MAN

(d) WLAN

Click or tap here to enter text.

11. A computer connected to a network is known as a stand-alone computer. True or False?

Choose an item. What is the reason for your choice? Click or tap here to enter text.

12. A separate printer will be needed in a network for all connected computers.

Choose an item. What is the reason for your choice? Click or tap here to enter text.

13. MAN's are the computer networks confined to a localised area such as an office.

Choose an item. What is the reason for your choice? Click or tap here to enter text.

14. MAN provides communication services up to 5 km. True or False? Choose an item.

Reason for your choice? Click or tap here to enter text.

15. Ethernet\_\_\_\_\_\_\_\_\_\_\_.

(a)Ethernet is the technology that is commonly used in wired local area networks (LANs).

(b) Is a type of data link protocol that defines the types of cables and connections used to wire computers, switches and routers together

(c) Connects a computer or network to the internet

(d)Can remove computers from the network and restrict access to users

**Answer:** Click or tap here to enter text.

16. The people who can modify and change the network settings are called the

**Answer:** Choose an item.

17. Choose an item. is a computer network that connects computers within a school.

18. The Internet is an example of a Choose an item. Network.

19. Which network covers the smallest geographic area?

**Answer**: Choose an item.

11. Name the type and function of the different network equipment.

|  |  |  |
| --- | --- | --- |
| **Type** | **Function** | **Equipment** |
|  |  |  |
|  |  |  |
|  |  |  |

12. Name the software needed to connect to the Internet.

Answer: Click or tap here to enter text.

13. Name the hardware equipment to connect to the Internet

Answer: Click or tap here to enter text.

14. Explain the difference between a LAN and a PAN.

Answer: Click or tap here to enter text.

Click or tap here to enter text.

15. List three advantages of using a network in a business environment.

**Answer**: Click or tap here to enter text.

16 List two possible disadvantages of using a network in a business environment.

**Answer:** Click or tap here to enter text.

17. Differentiate between the mode of transmissions. Type your answer in the right column of the table.

|  |  |
| --- | --- |
| **Mode of Transmission** | **Description/Answer** |
| Wired Internet |  |
| Satellite Internet |  |
| Cellular Internet |  |