

## Homework

### Telecommunication

1. GPS receivers rely on the transmission of radio waves from the GPS satellite network, but sometimes these signal scan get blocked. How and why does this accus? What can you do to fix the issue ?

2. A computer network is a telecommunications network that allows computers to exchange data. What are five(5) computers of Data Communication system ?

Match each item in the Column A with the best choice from Column B.

3. (5 marks)

| ANSWER | COLUMN A          | COLUMN B   |
|--------|-------------------|--|
| 1..... | 1.A data cable    | A. A connector is the unique end of a plug, jack, or the edge of a card that connects to a port    |
| 2..... | 2. Jack Cables    | B. used to connect one network device to other network devices.                                    |
| 3..... | 3. XLR            | C. set of basic building units for user interfaces.  |
| 4..... | 4. Network cables | D. is any media that allows baseband transmissions (binary 1,0s) from a transmitter to a receiver. |
| 5..... | 5. Toolkit        | E. They have circular connectors with three pins--positive, negative and ground.                   |

4. a)What is a communication channel ?

b) Differentiate a receiver from transmitter.

5. a)what does GPS stand for ?

b) Mention the uses of GPS and explain why we need the network of 24 satellites in GPS communication.

6. Mention and explain briefly the different ways of transmitting electronic signals for an effective communication process

7. What is meant by Data Communication and explain its characteristics?

8. What is communication satellite?

9.Mention the 2 types of communication satellite?

10. Give and explain any three network control devices used in telecommunications systems