

Quiz 07 – Chapter 07 – Computer Networks**[50 Marks, 40 Minutes]**

Name: _____

Roll No: _____

Question 1: [1x10 marks] [estimated time 10 minutes]**Supply the missing words to complete the statements.**

1. _____ is a mobile phone that can be used with more than one communications network.
2. GPS stands for _____.
3. A _____ is a network that covers a relatively small geographical area, such as a home, an office building, or a school.
4. IPv4 allows _____ unique addresses.
5. Infrared transmission is a type of wireless networking that does not use signals in the _____ band of the electromagnetic spectrum.
6. Ethernet is usually used with LAN's that have a _____ topology.
7. Two alternatives to the Ethernet standard for wired home networks are the _____ and _____ standards.
8. _____ are devices that amplify signals along a network.
9. _____ is a type of data transmission where the data is represented by 0s and 1s.

Question 2: [1x5 marks] [estimated time 5 minutes]**Identify the type of transmission. Write “S” for Simplex transmission, “H” for Half-duplex transmission and “F” for Full-duplex transmission.**

- a) Telephone _____.
- b) Television _____.
- c) Internet Surfing _____.
- d) WhatsApp Chat _____.
- e) Keyboard _____.

Question 3: [1x5 marks] [estimated time 5 minutes]**Circle T if the statement is true and F otherwise.**

1. **T F** The Internet is an example of a WAN.
2. **T F** GPS systems are used only by the government.
3. **T F** A router is a type of modem.
4. **T F** With parallel transmissions, data is sent one byte at a time.
5. **T F** The type of cable used inside most homes for telephone service is coaxial wire.

Question 4: [4x5 marks] [estimated time 15 minutes]**Give Short answers to the followings****1. Differentiate between intranet and extranet.**

2. What is throughput and how it is measured?

3. What is a concentrator?

Question 5: [10 marks] [estimated time 5 minutes]

Name four devices used for connecting networks and devices. Write the use of each device.

4. Name the two protocols in TCP/IP.

**5. Differentiate between Analog & Digital signals.
Draw a figure showing data signals for each.**
