

Mid - Term Assignment

1a) What does ICT stand for.

Information and communication Technology. It is used to describe all devices that can be used to create, communicate, store, manage and provide access to information.

1b) Broadcasting

1. Telecommunication

2. Information systems

What is broadcasting

Is the spreading of audio and video content over a wide area to a large audience through any electronic mass communications medium like radio, television, etc.

Explain any two types of broadcasting

Radio Broadcasting: This involves sending of information or entertainment signals to a large audience, who will receive or listen to it through a radio set. This can be via AM (Amplitude Modulation), FM (Frequency Modulation) or HD (High Definition).

Television Broadcasting: This is the transmission of information or entertainment signals in form of moving images with or without sound, from a television station to television sets. These signals are transmitted by UHF (Ultra High Frequency) or by VHF (Very High Frequency) waves.

^{Tele}
What is communication system?

Is the transmission of audio and video signals over long distances using cables, telephones, radio, television etc.

Telecommunication system: Is all electronic devices used for trans

3b) Give three examples of telecom system

- i) Mobile Phone system
- ii) Satellite Telephone system
- iii) Fixed Wireless Telephone system

4a) What is data network?

Is a telecommunications network dedicated solely to transfer data such as letters, spreadsheets & other types of documents from one point to another in an organised way

4b) List 4 examples of data network

- i) Personal Area Network [PAN]
- ii) Local Area Network [LAN]
- iii) Metropolitan Area Network [MAN]
- iv) Wide Area Network [WAN]

5a) What is Information system in ICT

~~What is Information system~~ [A] is a collection of people, hardware, software, communication devices, network & data resources organised to collect, process & distribute data and Information within an organisation for a specific purpose.

5b) Briefly explain two types of Information system

① Data processing system: Is a set of programs used to process, organise and manipulate large amounts of data used daily in organisations for transacting business. e.g Word processing systems like MS word etc.

② Global Positioning System (GPS): Consists of a group of orbiting satellites in space that transmit signal to GPS receivers on earth, which can provide information regarding the exact location of a person or item e.g. a car using a GPS enabled device.