

Computer Science - ICS Part 1 Computer Science Chapter 3 Short Questions Preparation

Q1. Define Mobile communication.

Ans 1: Mobile Communication: It is a radio-based network that transmits data to and from a mobile computer. A computer can be connected to the network through wired ports or through wireless connections.

Q2. What do you know about internal modem?

Ans 1: An internal modem is a circuit board that can be added to the system unit through an expansion slot. The modem cannot be moved easily from one PC to another. It is more difficult to set up than other types of modem.

Q3. List Out Different Elements of data communication.

Ans 1: There are five components in data communication: Message, Sender, Receiver, Communication Channel, Encoder and Decoder.

Q4. What is the use of fax machine?

Ans 1: A fax machine enables a computer to transmit and receive documents as if over a telephone line. A fax modem is like a data modem but is designed to transmit and receive documents to and from a fax machine or another fax modem.

Q5. Define Signal ?

Ans 1: The electromagnetic or light waves representing data are called signals. These are used to transfer data from one device to another device through a communication medium. Data communication signals can be in analog or digital form.

Q6. What is BCD code ?

Ans 1: BCD (Binary Coded Decimal) is a 4-bit code. A few early computers processed BCD numbers but were slower and more complicated than a modern computer which is able to process alphanumeric.

Q7. Define Decoder.

Ans 1: The encoder converts a digital signal to a form which can pass through a transmission medium and a decoder again converts the signal from an encoded form into digital form, which is understandable for the receiver.

Q8. Give two examples of analog data.

Ans 1: The analog data signals is continuous electrical signal in form of wave.

Example:

- Audio is an analog data.
- Magnetic tape data is analog data.

Q9. What is Data Communication?

Ans 1: Data Communication is an exchange of data between two devices via some form of transmission media such as a wire cable. In other words we can say that transfer of information or data from one location to another is called Data Transmission.

Q10. List out different elements of data communication ?

Ans 1:

1. Message.
 2. Sender.
 3. Receiver.
 4. Communication channel.
 5. Encoder and decoder.
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