

## **TOPIC: PROCESS OF INFORMATION TRANSMISSION CONTENT.**

### **INTRODUCTION**

Information is an important tool for decision making in any organization. The type of information gotten and the method or mode of disseminating this information will determine the effectiveness and productivity of any organization or individual. Therefore information transmission is the process of sending and receiving information from one place to another at a particular point in time. It is the transfer of information from one the source to a destination through communication media or gadgets.

### **Sources of Information Transmission:**

We have two sources of information, namely

1. Ancient source of information
2. Modern source of information

**Ancient source of information** are methods of transmitting information from person to person and from one place to another at a particular time. Examples of Ancient source of information transmission are:

1. Town criers
2. Metal gong beating
3. Fire lighting
4. Flags or flashing lights
5. Bind
6. Drum
7. Smoke
8. Story telling

**Modern Information Transmission:** Technology has brought about changes and an improved system of information transmission through the use of electronic devices. Newspaper as a mean of information transmission

### **Advantages of Wireless Communication**

1. Communication has enhanced convey of the information quickly to the consumers.
2. Working professionals can work and access internet anywhere and anytime without carrying cables or wires wherever they go.
3. Doctors, Workers and other professionals working in remote areas can be in touch with medical centres through wireless communication.
4. Urgent situation can be alerted through wireless communication.
5. It is cheaper to install and maintain.

### **Disadvantages of Wireless Communication**

1. Unlimited security threats.
2. Risk of information loss.
3. Need for strong security protocols.

**CABLE:** Cable used for information transmission is Fiber-optics, also called **OPTICAL FIBER**, is a technology that allows light to travel along thin glass or plastic wires.

**FIBER-OPTIC COMMUNICATION:** is a method of information transmission from one place to another by sending pulses of light through an optical fiber.

## CLASSIFICATION OF THE MEANS OF TRANSMITTING INFORMATION

1. Electronic means of information transmission
2. Fax Machine: It is a technology that sends copies of documents over the telephone lines. It is an example of digital communication system.
3. Telephone/ Mobile Phone: Telephone and mobiles are most commonly used means of communication. They are not only very fast but also link far distant locations within no time.
4. Telegraphy: Is a communication system in which information over a wire through a series of electrical current pulse, usually in the form of morse code.
5. Television: News and entertainment programmes are broadcasted on television. Television can broadcast both audio and video communication.
6. Radio: News and entertainment programmes are broadcasted on radio. Radio can be used only for broadcasting the audio messages to a large audience.
7. Satellite: Artificial satellites are used to communicate with very distant locations. They are used to live-telecast matches and programmes worldwide.
8. Internet: This is very cheap and reliable means of not only for communication but also useful for employment and education.
9. Non – electronic means of information transmission: they include Drums, Metal gong, Animal Signs, Horn, Fire lighting etc.