**SUBJECT: Computer Studies**

**CLASS:** J.S.S 1

**WEEK : 4**

**TOPIC**: **MODERN METHODS OF TRANSMITTING INFORMATION**

With modern inventions in communication, many ancient methods have been replaced with more efficient modern ways of transmitting information. These include the following:

1. Printing
2. Telephone
3. Global Systems for Mobile communication (GSM)
4. Telex
5. Radio
6. Television
7. Facsimile (Fax)
8. Satellite
9. Internet, etc.

**Printing**

Information transmission by printing involves the production of information on paper using typewriter or others printing device/machine.

**Telephone**

Telephones allow people voices to be transmitted over a short or long distance, either by cables or by waves.

**Global System for Mobile-Communications (GSM)**

GSM phones allow users to utilize one phone and a number or two in many different locations. This enables people to communicate using texts, pictures and voice, distance not being a barrier.

**Telex**

A telex machine is used to transmit information that is textual in natural form from one person to another usually over a long distance.

**Radio**

It is used to broadcast voice (i.e. audio) information to people who might be in different geographical locations. This is done from Radio Stations.

**Television**

This is used to transmit information both in voice (audio) and seeing (vision) from a television station to people in different geographical locations.

**Facsimile (Fax)**

This is a telecommunication device that transmits documents or picture as electronic signals over the telephone system. **It works like a photocopying machine because it makes a copy of the original document and sends it to the receiver.** Fax (short for facsimile), sometimes called telecopying or telefax (the latter short for telefacsimile), is the telephonic transmission of scanned printed material (both text and images), normally to a telephone number connected to a printer or other output device. The original document is scanned with a fax machine (or a telecopier), which processes the contents (text or images) as a single fixed graphic image, converting it into a bitmap, and then transmitting it through the telephone system in the form of audio-frequency tones. The receiving fax machine interprets the tones and reconstructs the image, printing a paper copy.

**Satellites**

Satellites are used for broadcasting radio and television signals, it allows pictures and sounds to be broadcast live. It is a type of space craft they are also used to transmit telephone signal and high volume data.

**Internet**

It is a collection of computers, all linked together via telephone lines, cables or satellites, to share information worldwide. It is the largest computer network in the world. People can search for information, listen to news, read newspapers, send and receive mails (e-mail) and do many other things on the internet. **The internet is also called the NET.**

**ASSIGNMENT**

1. State FIVE modern methods of transmitting information.
2. List and explain any four modern methods of information transmission.