Course Name : O Level(B3-Ist sem.)   Subject : ITT&NB

Topic : Input Devices Part-2   Date   : 24-03-20

Touch Screen

- It is also a pointing device by which users touch areas of the screen with their fingers to issue commands.

- Touch screen enables the users to choose from available options by simply touching with their fingers the desired icon or menu displayed on the screen.

- A common application of touch screen is ATM's installed in banks.

Light Pen

- It is a pen shaped device used to select objects on a display screen.

- The light pen consists of a light sensing element (photo diode) at the tip of pen and a cable through which the signal is transmitted. When the screen touched with the tip of pen, pen gets activated light spots are sensed and a signal sent to the system indicating the position.

Used for corrections in architectural designs, for e.g. Computer Aided Design (CAD) applications commonly use the light pens to directly draw on screen.

Scanner

- A scanner is an input device which translates paper documents into an electronic format, which can be stored in a computer.
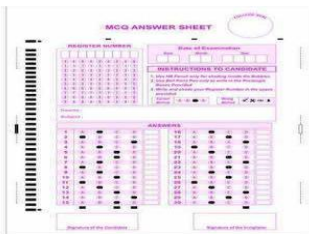
- Input documents may be typed text, pictures, graphics or handwritten material. Scanner is helpful in preserving paper documents in digital form.

Hence, Scanner is an input device that is capable of capturing image, text and handwritten document and stores it in computer system. Scanner captures data and converts it into bit pattern for processing.

Optical Mark Reader (OMR)

- It is a type of optical scanner.

- Optical Mark Recognition is the process of gathering data with an optical scanner (Optical mark reader) by measuring the reflectively of light at predetermined positions on a surface. Optical mark reader is commonly used to check special examination sheets.

Optical Character Recognition (OCR)

- It is type of optical scanner.

- It is used to recognize alphanumeric characters printed or typewritten on paper. The scanner detects the light reflected from the paper. The change in the reflected light is converted to binary data which is sent to processor.