Course Name: O Level (2nd Sem)   **Subject: ICT**
Topic: Impact Printers   **Date: 25-03-20**
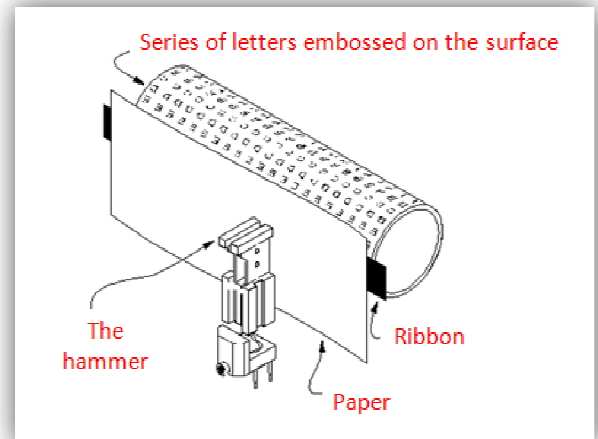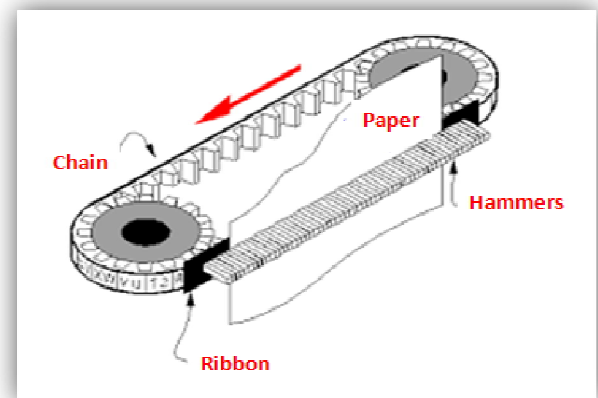
NOTE: No any diagram in this document is to be attempted. All diagrams are just for the reference and understanding.
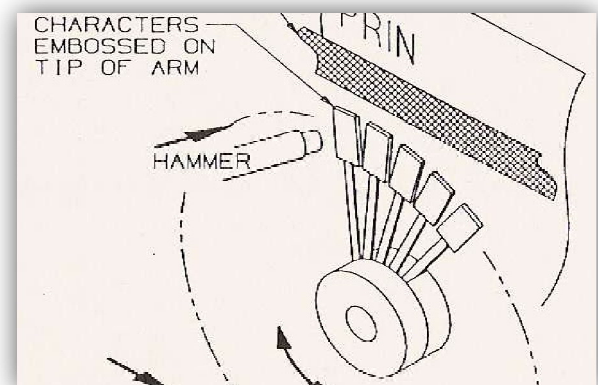
Drum Printer: Drum printer is an impact printer that uses a metallic drum and a series of hammers to print. A series of all possible characters are embossed on the surface of a metallic drum. There is an inked ribbon on the surface and a paper is rolled nearby. As the paper position is correctly set for the required character, a hammer strikes from behind the paper.
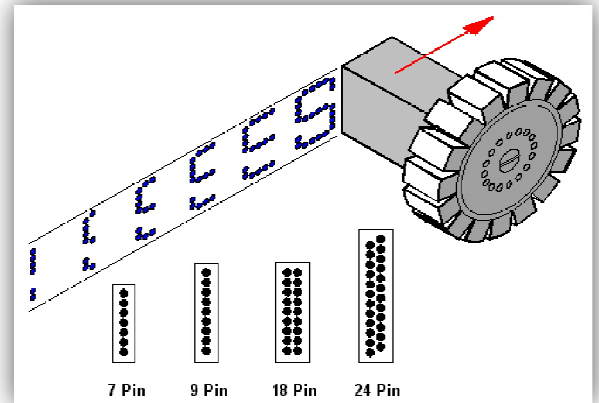

Chain Printer: In this printer there is a chain that revolves around a setup of two pulleys (wheels). The characters are embossed on the chain and a ribbon is set aside of the ribbon. The paper is brought behind the ribbon and as the position is correctly set for printing, a series of hammers strike from behind of the paper.

Daisy Wheel Printer: This printer uses a wheel with many arms connected to it. Every arm contains a character on the tip. There is an ink coated ribbon between the wheel arm tips and the paper position. When the paper is correctly positioned, a hammer strikes from behind the wheel arm.

Dot Matrix Printer: Dot Matrix Printers use a grid of metal pins arranged in a square sized socket. An inked ribbon is there in front of the pins. When the paper comes to the correct printing position, only those pins that can make a dotted pattern of the required character come up and through the ribbon touch the paper. Thus a character fully made of dots, is printed on the paper.

Exercise:

1. List out the differences between Drum and Chain printers.
2. Which of these printers is used for printing railway tickets?