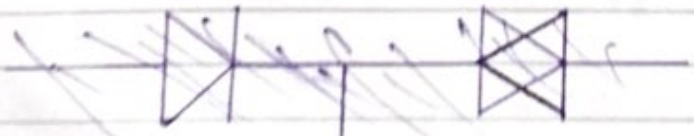
Ans 3. A PNP transistor is a bipolar junction transistor constructed by sandwiching an N-type semiconductor between two P-type semiconductor. A PNP transistor has three terminals - a collector (C), Emitter (E) and Base (B). The PNP transistor behaves like two PN junctions diodes connected back to back.

These back to back PN junction diodes are known as the collector base junction and base-emitter junction.

Regarding the three terminals of the PNP transistor, the emitter is a region is used to supply charge carriers to the collector via the Base region. The Collection region collects most of all charge carriers emitted from the Emitter. The Base region triggers and controls the amount of current flows through the Emitter to Collector.

The equivalent circuit of a PNP transistor is as shown in the figure below.



Equivalent circuit of an PNP Transistor