

Vacuum Tubes and Thermionic Valves.

- (1) Those tubes in which electrons flows in vacuum are called vacuum tubes.
- (2) These are also called valves because current flow in them is unidirectional.
- (3) Vacuum in vacuum tubes prevents the emission of secondary electrons.
- (4) Every vacuum tube necessarily contains two electrodes out of which one is always electron emitter (cathode) and another one is electron collector (anode or plate).
- (5) Depending upon the number of electrodes used the vacuum tubes are named as diode, triode, tetrode, pentode.... respectively, if the number of electrodes used are 2, 3, 4, 5..... respectively.