

CLASSIFICATION OF AMPLIFIERS

- Amplifiers may be classified in several ways such as:
 - 1) On the basis of **Transistor configuration** used:-CE, CB, CC amplifiers
 - 2) On the basis of **active device** used:-BJT & FET amplifiers
 - 3) On the basis of **output of amplifiers**:-Voltage amplifiers & Power amplifier
 - 4) On the basis of **frequency range of operation**:-DC amplifiers (0 to 10 Hz), Audio frequency amplifiers (20Hz to 20 KHz) & Radio frequency amplifiers (few KHz to hundred of Mhz)

5) On the basis of **input of amplifiers**:-Small signal and large signal amplifiers

6) On the basis of **number of stages**:-Single stage & Multistage amplifiers

Multi Stage Amplifiers –(i)RC coupled (ii) Direct coupled (iii)LC coupled (iv)Transformer

7) On the basis of **mode of operation**:-Class A, Class B, Class AB, Class C

8) On the basis of **Bandwidth**:-Narrow band amplifiers (RF or Tuned), Wide band amplifiers (Video amplifiers)