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### Unit 3 Transistor

Q. 1	Define transistor, draw its symbol, why it is called Transistor?	4
Q. 2	Explain with neat diagram the transistor action in NPN or PNP transistor	6/8
Q. 3	With neat diagram explain Transistor as an Amplifier	6/8
Q. 4	Draw the neat diagram of Transistor common base configuration and define its Current amplification factor	4/6
Q. 5	Draw the neat diagram of Transistor common emitter configuration and define its Base Current amplification factor	4/6
Q.6	Derive the relation between $\alpha$ and $\beta$	4/6