

***Thapar Institute of Engineering & Technology, Patiala***

Department of Electronics and Communication Engineering

**Course Code:** UEC-301;    **Course Name:** Analog Electronic Circuits

**B.E. (ENC) (III-Sem), July – Dec 2020**

**“Tutorial Sheet No. - 2”**

[1]	Draw the majority and minority carrier flow of pnp transistor.
[2]	Draw the input and output characteristics of common emitter and common collector transistor configurations.
[3]	What do you mean by reverse saturation current?
[4]	Derive the relation between $I_{CBO}$ and $I_{CEO}$ .
[5]	Derive the relation between $\alpha$ and $\beta$ .