Arab Academy for Science & Technology and Maritime Transport – Cairo Branch
College of Engineering & technology
Electronics & Communication Engineering Department

Course: Electronics I   **Course Code**: EC238
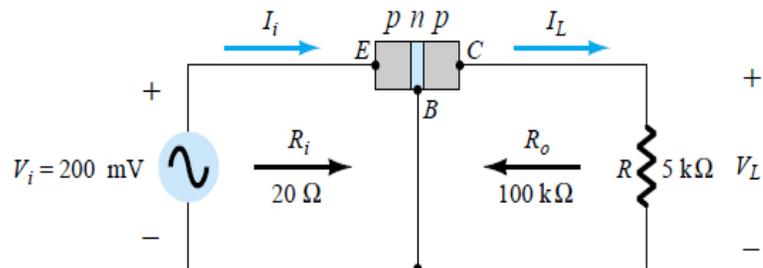**Lecturer:** Dr. Amr Bayoumi
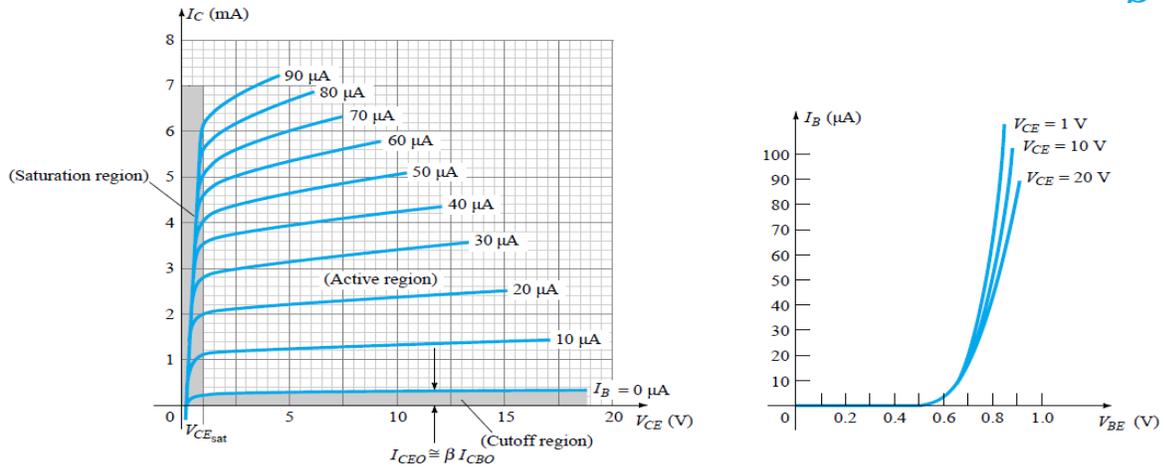**Tutors:** Eng. Sherry Heshmat

Sheet (5)

Question (1)

For the figure shown find
1) I_i
2) V_L
3) A_v

Question (2)

From the figure shown Determine:

a) I_c at $I_B = 30\mu A$ and $V_{CE} = 10\ V$
b) I_c at $V_{BE} = 0.7$ v and $V_{CE} = 15\ V$
c) β_{dc} at $I_B = 10\mu A$ and $V_{CE} = 10\ V$