

Post Lab Exercise

- a) From the input characteristics of BJT, estimate dynamic input impedance of the BJT.**
- b) Estimate β and Early voltage from the output characteristics.**
- c) Refer the datasheet of the transistor (BC547) and see if the values match.**
- d) You are encouraged to write the net list for common base configuration.**
- e) The Fig shows transistor used in CE configuration as an inverter.**
 - i. Sketch the output waveform if the input is driven by a square wave signal of 5V, 10kHz.**
 - ii. Write the netlist for the circuit shown in Fig. and simulate it. Verify your answer in the previous question.**
 - iii. Try to measure the switching times.**