Sessional – 2nd

Subject: Electronic Devices
Time: 1 Hr.

Section: 3rd A & B
Branch: ECE

Q1. A) Explain the concept of base width modulation with the help of diagram. (4)

B) Derive the relationship between α and β of NPN transistor. (4)

Q2. If the common base DC current gain is of a BJT is 0.98, its common emitter DC current gain is? (2)

Q3. Derive the current gain and voltage gain of CB transistor amplifier using H- parameters with the help of its hybrid equivalent model. (5)