

Semester 1 & 2
Course: B.Sc. (Hons) IT
Paper Code: BSIT-207 (IT LAB-I)
Nomenclature: Analog Electronics (Practical)

M.M: 50
Time: 3 hrs

Instruction for the examiners: A candidate is required to perform one experiment out of the list below.

Note:-

1. This practical paper is to be studied during Semester 1 & 2. But the examination is to be held after Semester 2 only.
2. A candidate is required to perform 6 Experiments from the list given below.
3. The number of students in a group must not exceed 10.
4. Workload – 3 periods per week per group

Distribution Of Marks

Experiment: 25 Practical Work Book: 15
Viva
Voce: 10

1. To study the V-I characteristics of PN junction diode.
2. To study the zener diode as voltage regulator.
3. To study half wave voltage multiplier Ckt. Using diode.
4. To study HWR and FWR and measurement of ripple factor with and with C filter.
5. To study diode as shunt clipping element.
6. To study diode as clamping element.
7. Study of CB characteristics and calculate H parameter from graph.
8. Study of CE characteristics and calculate H parameter from graph.
9. Study of JFET characteristics.
10. To measure A_v , A_i , A_p . In CB, CC Transistor amplifier.
11. Study of fixed bias arrangement for transistor.