

SYLLABUS :-

1. D.C. characterization and finding parameters of transistors (BJT and MOST)
2. Design of simple amplifiers (common emitter and common source)
3. Characterization of Simple and Cascode Current Mirror circuits (BJT and MOST)
4. Design of Common collector amplifier
5. Design of differential amplifier with resistive load (BJT) and active load (MOST)
6. Design of R-C and L-C oscillators (phase shift/Colpitt/Hartley)
7. Design of a second order active filter (low pass/high pass)
8. Design of tuned amplifier