PH 481: Physics Laboratory I (0-0-6:3)

1. To study CE amplifier
2. To Study a RC coupled amplifier (multistage anmplifier)
3. Op-Amp Arithmetic Operations (adder, subtractor)
4. Op-Amp Square, Ramp Generator and Wien Bridge Oscillator
5. To study monostable/astable generators using IC 555 timer
6. To study JK/RS/D Flip flop
7. To study UJT as a relaxation oscillator
8. To study the characteristics of solar cell.
9. To study AD/DA circuits
10. Elementary programming exercises on a µP trainer kit

References:

1. P. B. Zbar and A. P. Malvino, Basic Electronics: a text-lab manual, Tata McGraw Hill

2. D. P. Leach, Experiments in Digital Principles, McGraw Hill.