## Course 10: Practical Physics II

## Course code: MSCPH510(P) Credit: 6

1. NPN, PNP transistor characteristics
2. Study of RC coupled Transformer coupled amplifier
3. Study of CRO.
4. Study of different oscillators (Hartely, Colpit, Weingridge ect. )
5. Study of electronically regulated power supply
6. Study of transistor and feedback Amplifier
7. Study of different types of resistances and diodes
8. e/m by Zeeman effect
9. FET/ MOSFET characteristics
10. Lattice dynamic kit
11. Study of logic gates
12. Detection efficiency of Diodes
13. Study of ESR spectra of a given sample
14. RCS Spectrometer
15. Gama ray spectrometer
16. Study of multivibrator
17. Elastic constant cubic crystals

*Students have to perform at least 8 experiments out of above list.