

**10 ME 301 P THERMAL ENGINEERING LAB -1**  
**II B.Tech I Semester**  
*(with effect from the academic year 2011-2012)*

*Credits: 2*

*Lectures/Week : 3 hrs*

*Sessional marks:40*

*University Exam:3hrs End Examination Marks: 60*

*(Any **Eight** of the following experiments will be given)*

**LIST OF EXPERIMENTS:**

1. Measurements of Viscosity of Various Lubricating oils.
2. Test on Flash and Fire Point Apparatus.
3. Test on Carbon – Residue Apparatus.
4. Test on Distillation Apparatus.
5. Valve Timing diagrams on Petrol & Diesel Engine cut models
6. Port Timings Diagrams on petrol and diesel engine cut models.
7. Calibration of Pressure Gauge.
8. Test on Aniline Point Apparatus.
9. Test on Pour point and Cloud Point Apparatus.
10. Test on Gas Calorimeter (Junkers / Bomb).