**LIST OF EXPERIMENTS**

**TPL-303 : RHEOLOGY AND TESTING OF POLYMERS Lab**

1. Determination of Tensile Strength and Percent Elongation of polymer film/sheet
2. Determination of the Vicat Softening point of given plastic sample on Vicat Softening Point apparatus
3. Determination of Tensile strength, Modulus and Percent Elongation of moulded plastic test specimen on Microprocessor Controlled Universal Testing Machine (U.T.M)
4. Determination of the Izod/Charpy Impact Strength of given specimen
5. Determination of the Melt Flow Index of polymer raw material by MFI tester
6. Determination of the Shore A Hardness of Rubber Sheet
7. Determination of the Percent Water Absorption in 24 hours of Moulding Plastic samples
8. Determination of the Falling Dart Impact Strength of polyethylene film using Falling Dart Impact Tester
9. Determination of viscosity of polymer by Brookefield viscometer
10. Determination of polymer yield by microwave synthesizer