

## **Semester IV (Practical- B)**

Time: 6 Hrs.

M.M. 100marks

- Mechanical testing and Processing of Polymers
  - (i) Tensile impact strength of polymers
  - (ii) MFI of thermoplastics
  - (iii) Abrasion loss, Abrasion index of rubber Vulcanisate
  - (iv) Swell index and volume fraction of cured rubber stock
  - (v) Stress –strain properties of organic Tyre cord
  - (vi) Textile to rubber adhesion by H- adhesion technique
  
- Testing and characterization of polymer : volatile matter, ash content, mooney viscosity