

**Faculty of Technology**  
**M.Tech. Polymer Science and Engineering**  
**(R 2017) Semester – I**  
**PO5111 POLYMER SCIENCE LABORATORY**  
**(Requirements for a batch of 25 students)**

<b>Sl. No.</b>	<b>Description of Equipment</b>	<b>Quantity required (R)</b>	<b>Quantity available (A)</b>	<b>Deficiency (R - A)</b>
1.	Differential Scanning Calorimeter (DSC)	1		
2.	Thermogravmetric analysis (TGA)	1		
3.	Ostwald/Ubbelohde viscometer	3		
4.	Vapour Pressure osmometer (VPO)	1		
5.	Glassware for reactions and spot tests	1		

## Faculty of Technology

M.Tech. Polymer Science and Engineering

(R 2017) Semester – I

PO5112 POLYMER PROCESSING LABORATORY

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Blow moulding machine	1		
2.	Injection moulding machine	1		
3.	extruder	1		
4.	2 roll mill	1		
5.	rubber curing presses	1		
6.	latex formers	1		
7.	scrap grinder	1		

**Faculty of Technology**  
**M.Tech. Polymer Science and Engineering**  
**(R 2017) Semester – II**  
**PO5211 POLYMER TESTING LABORATORY**  
**(Requirements for a batch of 25 students)**

<b>Sl. No.</b>	<b>Description of Equipment</b>	<b>Quantity required (R)</b>	<b>Quantity available (A)</b>	<b>Deficiency (R - A)</b>
1.	Universal Tensile Testing machine	1		
2.	impact tester	1		
3.	abrasion resistance testing equipment	1		
4.	electrical equipment for supplying high voltages, electrodes etc	1		
5.	optical equipment for measuring refractive index	1		
6.	MFI tester	1		
7.	bulk density tester	1		
8.	specific gravity measuring equipment	1		