

SARDAR PATEL UNIVERSITY
Programme & Subject: B.Sc (Industrial Chemistry-Vocational)
Semester: VI
Syllabus with Effect from: November-2013

Paper Code: US06CICV08	Total Credit: 2
Title of Paper: Laboratory-Polymers	

Unit	Description in Detail	Weightage (%)
	Determination of Acid value, Iodine number, Saponification value, Melting point and softening point of epoxy resin and Hydroxyl value. Synthesis of polymers and resins like Novalak Phenol formaldehyde, Resol Phenol formaldehyde, Urea formaldehyde, Melamine formaldehyde, Glyptalresin, Saturated and Unsaturated polyester. Cellulose Acetate, Cellulose Nitrate, Polysulfone rubber and analysis of the above (viscosity, M.P., Mol. Wt. determination). Identification of polymers by simple physical and chemical tests. Analysis of raw materials phenols, formaldehyde, urea, melamine, epichlorhydrin.	100%

