

SARDAR PATEL UNIVERSITY
Programme & Subject: M.Sc (Industrial Polymer Chemistry)
Semester: III
Syllabus with Effect from: June - 2013

Paper Code: PS03CIPC02	Total Credit: 4
Title Of Paper: Manufacture, Properties & Applications Of Thermosets & Rubbers	

Unit	Description in detail	Weightage (%)
I	Introduction to Thermosets, Alkyds, Unsaturated Polyesters, Polyurethane	25%
II	Phenolics, Epoxy, Amino Resins, Silicon & Miscellaneous	25%
III	Rubber General Purpose : (Natural, Styrene Butadiene, Polybutadiene and Synthetic Natural Rubber) and	25%
IV	Special Purpose : Butyl, Nitrile, Sulfide, Neoprene, Silicon, EPDM and Thermoplastic Elastomers, Additives for Elastomers	25%

Basic Text & Reference Books:-

- Elastomer and Rubber Compounding Materials, I.FRANTA (Elsevier Publ.)
- Technology and Applications of Resins, D. G. Soni Publ., New Delhi
- Text-book of Polymer Science, F. W. BillMeyer
- Rubber Technology, Morris Morton Van Nostrand Publ.

