

**SARDAR PATEL UNIVERSITY**  
**Programme & Subject: M.Sc (Surface Coating Technology)**  
**Semester: IV**  
**Syllabus with Effect from: June - 2010**

<b>Paper Code: PS04CSCT01</b>	<b>Total Credit: 4</b>
<b>Title Of Paper: Technology of Resins for Surface Coating - II</b>	

Unit	Description in detail	Weightage (%)
I	Chemistry and Technology of Synthetic resins viz. Polyamides, Epoxy, Polyurethanes, Silicone resin, Chlorinated Rubber: Raw materials for these resins, Chemistry of synthesis of these resins, processing techniques, properties & applications of these resins for surface coatings	90%
II	Chemistry and Technology of Cellulosic film formers e.g. Nitrocellulose and CAB.	10%

**Basic Text & Reference Books:-**

- Surface Coatings – Raw Materials & Their Usage, OCCA-VOI I “Chapman and Hall”, NY, 1993.
- Resins for surface coatings, Vol I, II & III, P.K.T. Oldring, SITA Technology
- Resins for coating: Chemistry, Properties and Applications, 1st ed, Stoye D, Hanser Publishers, 1996.
- “Organic coatings, Science & Technology” Vol I, Wicks, Wiley Interscience Pub. Ltd, 1992.
- The Chemistry of Organic Film Formers, Soloman, D.F. Wiley, New York.
- Surface coatings: Science & Technology, Swaraj Paul. 2nd ed., John Willey & Sons, 1996
- Surface coatings Vol 1 to 3 WILSON, 1st ed, Elsevier Applied Science, 1986
- The Technology of Paints, Varnishes & Lacquers, 1st ed., C.R. Martens, Roberts E Kniger Pub. Co-Oprat, 1974.
- Epoxy Resins- Chemistry and Technology, 2<sup>nd</sup>, MAY, 1988.

