

**SARDAR PATEL UNIVERSITY**  
**Programme & Subject: M.Sc (Industrial Chemistry)**  
**Semester: IV**  
**Syllabus with Effect from: June-2012**

<b>Paper Code: PS04EICH05</b>	<b>Total Credit: 4</b>
<b>Title Of Paper: Technology of Resins for Surface Coating</b>	

<b>Unit</b>	<b>Description in Detail</b>	<b>Weightage (%)</b>
Raw materials for these resins, chemistry of synthesis, processing techniques, properties & applications of the following resins:		
I	natural resins like rosin, shellac, bitumen, asphalts & coal tar	25%
II	synthetic resins, alkyds, polyester, phenolics, polyamides	25%
III	acrylic & vinyl resins	25%
IV	epoxy & polyurethane resins	25%

**Basic Text & Reference Books:-**

- Surface Coatings, OCCA, Vol 1, Chapman & Hall, New York
- Resins for Surface Coatings, Vol 1, 2 & 3, P.K.T. Oldring, SITA technology
- Resins for Coatings, Chemistry, properties & applications, Stoye, D, Hanser Pub.
- Surface coatings, science & technology, Swaraj Paul Second Ed., John Wiley & Sons
- The chemistry of organic film formers, Solomon, B.F. Wiley, New York

