

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

<b>Paper Code: PS03CICH03</b>	<b>Total Credit: 4</b>
<b>Title Of Paper: Chemical Technology - I</b>	

<b>Unit</b>	<b>Description in Detail</b>	<b>Weightage (%)</b>
Study of following group of Industries with respect to their classification, raw materials, manufacturing process of at least one product with special emphasis on chemistry and engineering principles, structural features and product analysis:		
	Pigment Industry	25%
	Surface Coating Industry-Binders	25%
	Surface Coating- Solvents & Additives	25%
	Oils & Oleo Chemical Industries	25%

**Basic Text & Reference Books:-**

- Handbook of Industrial Chemicals, Vol. 1 & II, K. M. Shah, Multitech Pub. House.2nd edition.
- Encyclopedia of chemical technology, Kirk & Othmer..
- Perfumes, cosmetics & Soaps, vol: 1,2 & 3, W.A.Poucher, Chapman & Hall 8<sup>th</sup> edition.
- Surface Coatings, Vol. I &II , Oil & Color Chemists association, Australian Chapman and hall, London/ New York, 8<sup>th</sup> edition.
- Hand Book of pigments, K. M. Shah 2<sup>nd</sup> edition.
- Chemistry and Technology of surfactants, R.J.Farn, Blackwell pub. 1<sup>st</sup> edition.

