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

Paper Code: PS02EICH05	**Total Credit: 4**
Title Of Paper: Technology of Paint Manufacturing, Printing Inks & Heavy Duty Protective Coatings	

Unit	Description in Detail	Weightage (%)
I	Principles of paint formulation, concept of pigment volume concentration, theory of pigment wetting & dispersion, dispersion technology	25%
II	Coating manufacturing equipments-ball mill,sandmill,basket mill, attritor,High speed disperser	25%
III	Different types of inks,manufacturing of inks ,different printing processes	25%
IV	Corrosion & Technology of heavy duty protective coatings,technology of marine coatings	25%

Basic Text & Reference Books:-

- Surface coating technology,Vol 1 & 2,OCCA,Chapman & Hall, London & New York
- Paints & surface coatings,theory&practice,secondedition,R.Lambourne&T.A.Stevens,William Andrew Publishers
- Technology of printing inks,E.A.Apps
- Protective Print coatings for metals,Fraun Hofer &Boxaln,ParticullisPress,England
- Basics of Paint Technolgy,firstedition,V.C.Malshe