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

Paper Code: PS02CICH07	**Total Credit: 4**
Title Of Paper: Unit Process	

Unit	Description in Detail	Weightage (%)
I	Principle ,reagents,mechanism, kinetics and applications of of Halogenation, Alkylation	25%
II	Principle ,reagents,mechanism, kinetics and applications of Oxidation, Hydrogenation, Nitration, Sulphonation	25%
III	Principle ,reagents, mechanism, kinetics and applications of Hydrolysis , Esterification,Hydration.	25%
IV	Synthesis Based On Carbon Monoxide and Hydrogen	25%

Basic Text & Reference Books:-

- Unit processes in organic synthesis, Groggins, Tata Mgraw Hill pub. 5th edition
- Chemistry of petrochemical processes, Sami Mater,Lewis Hatch, Gulf Professional pub. 2nd edition
- Industrial Organic Chemistry, K.Weissermal, H.J.Arpe,Wiley VCH. 4th edition
- Chemistry and technology of basic organic and petrochemical synthesis, N.N. Lebedev, Mir pub.