

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

Paper Code: PS03EICH05	Total Credit: 4
Title Of Paper: Processing of Oils & Fats to Utility Products	

Unit	Description in Detail	Weightage (%)
I	Processes and plants employed for hydrogenation of oils, chemistry of hydrogenation of oils, catalyst for hydrogenation of oils, hydrogen production for hydrogenation of oils	25%
II	Fat splitting, hydrolysis of oils & fats, glycerine manufacturing	25%
III	Raw materials for soap industries, plant & process employed in soap manufacturing	25%
IV	Raw materials for detergents, plants & processes employed for detergents, detergent additives	25%

Basic Text & Reference Books:-

- Continuous processing of fats, M.K. Schwitzer, Chem Pub Comp., New York
- Baileys Industrial Oils & fats products, Vol 1-5, John Wiley & Sons
- Manufacture of soaps, detergents & glycerine, Edgar, Norwood Limited
- Treatise on fats, fatty acids & oleo chemicals, O P. Narulla, Indl Consultants India Ltd., New Delhi
- Soaps & Detergents, Parsuram K.S., Tata McGraw Hill Pub, New Delhi
- Soaps, their chemistry & technology, J G. Kane, Indian central oil seeds comp, Hyderabad

