

SARDAR PATEL UNIVERSITY
Programme & Subject: M.Sc (Polymer Science & Technology)
Semester: IV
Syllabus with Effect from: June - 2015

Paper Code: PS04EPST07	Total Credit: 4
Title Of Paper: Technology of Essential Oils, Surfactants & Cosmetic Products	

Unit	Description in detail	Weightage (%)
I	Essential Oils, chemical constituents of essential oils, manufacturing technology, utilization of essential oils	25%
II	Surfactants, classification & physico chemical properties of surfactants, practical applications of surfactants in various fields, manufacturing of various industrial surfactants.	25%
III	Cosmetics, classification, raw materials for cosmetics, manufacturing of various cosmetic products.	25%
IV	Modifications of oils, fats & waxes, Introduction to chemical reactions of oils, fats & fatty acids, manufacturing of DCO, blown, boiled, stand & malenised oils.	25%

Basic Text & Reference Books:-

- The chemistry of oils & fats, F.D. Gunstone, Blackwell Pub.
- Baileys Industrial oils & fats products, Vol 1-5, John Wiley & Sons
- Essential Oils, Vol 1-7, D. Gunther, R.E. Krigger Pub Comp., New York
- Cosmetic Science & Technology, Vol 1 & 2, Wiley Interscience, New York
- Cosmetics, Soaps & Perfumes, W.A. Poucher, Chapman Hall, London & New York
- Handbook of surfactants, Porter, Mc Graw Hill Pub

