

SARDAR PATEL UNIVERSITY
Programme & Subject: B.Sc (Industrial Chemistry)
Semester: VI
Syllabus with Effect from: November-2013

Paper Code: US06CICH04	Total Credit: 3
Title of Paper: Management, Costing & Plant Design	

Unit	Description in detail	Weightage (%)
I	Financial management(source of finance, working and fixed capital). Interest and Depreciation, Taxes and Insurance.	25%
II	Marketing management (core concepts of marketing), Pricing policy,Break Even Analysis, Profitability criteria and selection of alternatives.	25%
III	Project cost estimation, Plant location, Inventory management(methods for calculating economic order quantity), Welfare and Safety.	25%
IV	Development of the project, evaluation of a process, choice of process, plant design factors, selection of process equipment and materials, reactors, plant layout.	25%

Basic Text & Reference Books:

- Finance Management by I. M. Pandey (Vikas Publishing House Pvt. Ltd. - New Delhi)
- Marketing Management by Philip Kotler. (Prentice Hall of India Pvt. Ltd. - New Delhi)
- Plant Design Economics for Chemical Engineers by Peter and Timmerhouse. (McGraw-Hill, Inc. - New Delhi)
- Chemical Engineering Plant Designing By Vilbrandt& Dryden (McGraw - Hill Co.)

