

7 th Semester	RCH7D005	Chemical Technology	L-T-P 3-0-0	3Credits
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Module-I**8 hrs**

Heavy Chemicals: Caustic Soda & Chlorine, HCL, Soda Ash, Sulphuric acid.

Module-II**10 hrs**

Extraction Refining of Oil, hydrogenation of Oil. Soap & synthetic detergents. Pulp & paper Industry. Technology of Pigment & dyes, Natural dyes.

Module-III**9 hrs**

Manufacture of Sugar, Starch & its derivatives, Industrial & absolute alcohol.

Module-IV**9 hrs**

Polymers: Polyethylene, Polypropylene, PVC, Phenol formaldehyde, Urea formaldehyde, Polystyrene, Poly vinylacetate, Polylactic acid, and Nylons.

Books:

1. Dryden's Outlines of Chemical Technology for the 21st Century, 3rd ed. By CEDryden, Edited & revised by M Gopal Rao and MSittig.
2. Shreve's Chemical Process Industries, 5th ed. by G T Austin, McGraw-Hill.
3. Mall I. D., "Petrochemical Process Technology", Macmillan India Ltd., New Delhi. 2007
4. Kent J.A., "Riegel's Handbook of Industrial Chemistry," CBS Publishers. 1997