

CY-316 CHEMICAL INDUSTRIES

Types of Chemical Industries: Industries producing inorganic and organic industrial chemicals, ceramic products, Petrochemicals, agrochemicals, polymers, rubber, oleo chemicals, explosives, fragrances, food and flavors. Characteristics and economic aspects.

Manufacturing processes: Manufacturing of Phosphoric acids, glass, Ceramics. Sugar, Nitrogenous and Phosphatic fertilizers, textile and food dyes.

Pharmaceutical industry: Quality control, sourcing of raw materials for drugs manufacturing. Active Pharmaceutical Ingredients, Synthetic and Natural APIs and their types.

Water Conditioning and Purification for Industrial Applications: Pre-treatment Processes, Chemical Treatment Methods, Membrane Technologies, Boiler and Cooling Water Treatment.