



## The HNSB. LTD. Science College Himatnagar

### M.Sc. Sem 3 and 4 (Organic Chemistry)

New Syllabus

### Course Outcomes : 2020-21 & 2021-22

CHNN : 601	Enable the students to get knowledge of Nature of coloring matter, Terpenoids, Vitamins and Alkaloids
CHNN : 602	Students will able to update with the ideas of Unit process & Operations, safety hazards, Flowcharts, Patents, Soap & Detergents, Essential oils, animal fixatives, Fruit concentrates, Food additives, Preservatives, Vegetable oils, Cotton seeds oils, Agrochemicals & Pharmaceuticals, Pulping process, Sugar-Ethanol industries etc.
CHNN : 603	To inculcate knowledge of Naming of organic medicinal compounds, Information of drug related topics, Pharmacopeias, Diagnostic agents, Pharmaceutical aids, Antibiotics, Sulphadruugs, and CNS drugs, Cholinergic-Auticholinergic, Histamine – Antihistamine and Local Anesthetics.
CHNN : 604	Students will able to get knowledge of chemistry of 5 and 6 members Hetrocyclic compounds and Application of oxidation and reduction reagents.
CHNN : 605-B (ES)	Enable the students to get sufficient knowledge of various types of organic photochemistry reactions
CHNN : 606 & 607 (Laboratory course)	Students will able to gain knowledge of separation, purification & identification of semi solid ternary mixtures, two-three steps organic synthesis and quantitative analysis of penicillin, Amino acid etc.
CHNN : 701	To enable students with the knowledge of polysaccharide, Purine & Nucleic acid, conformational analysis of various compounds and steroids
CHNN : 702	Students will update with the knowledge of synthetic industries based on petroleum, paint, varnish, Explosives, Industrial polymers & about selected small scale industries.
CHNN : 703	To enable students to learn concept of chemotherapeutic drugs, Anti malarial, Antiamoebic, Antitubercular, Antifungal, Antiviral, CNS drugs, Cardiac drugs, Antidiabetic, Diuretic, Hypertensive, Anticancer, sedative, General & local Anesthetic Drugs.
CHNN : 704	Students will update with the knowledge of Molecular rearrangements of electron deficient Carbon, Nitrogen and Oxygen molecules, Chemistry of Organometallic compounds and Various type of Name reactions
CHNN : 705- A(ES)	To acquaint knowledge of various types of disconnection approach, protecting groups, Ring synthesis and synthesis of complex molecules
CHNN : 706 & 707 (Laboratory Course)	Student will gain knowledge of any types of ternary mixtures, quantitative analysis of isoniazide, ibuprofen and synthesis & characterization of two-three steps synthesis.



Head

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Convener  
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Committee  
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