

SHREE H.N. SHUKLA GROUP OF COLLEGES

(AFFILIATED TO SAURASHTRA UNIVERSITY & GTU)



2-vaishali nagar, Near
Amrapali railway
crossing,
Raiya road, Rajkot-
360001. Ph.No.-
(0281)2440478, 2472590

3-vaishali nagar, Near
Amrapali railway
crossing,
Raiya road, Rajkot-
360001. Ph.No.-
(0281)2471645

Behind marketing yard,
Near Lalpari lake,
Between Amargadh-
Bhichri, Rajkot-360002.
Ph.No.-90990 63150

M. Sc. SEMESTER-IV

ORGANIC-PHARMACEUTICAL CHEMISTRY

C(OP)-402: CHEMISTRY OF SYNTHETIC DRUGS

1. General introduction, nomenclature and classification of drugs.

2. Cardiovascular drugs

Antiarrhythmic agent, antihypertensive, vasodilators (peripheral and coronary), coagulants and anticoagulants, antithrombotic and antiplatelet drugs.

3. Central Nervous system:

Anaesthetic (local & general), analgesics, antipyretics, (steroidal and nonsteroidal anti-inflammatory drugs), sedative and hypnotic tranquilizers (major and minor), antiepileptics, anticonvulsants, antidepressants and antimaniacs. Drugs used in movement disorder, antiemetics, CNS stimulants and activators.

4. Musculoskeletal Disorder Drugs:

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NSAIDS, antiarthritic drugs, neuromuscular drugs, muscle relaxants, topical analgesics.

5. Respiratory System Drugs:

Antitussives, expectorants and mucolytics, respiratory stimulants, and antiasthematics.

6. Gastrointestinal Tract Drugs:

Antacids, antiulcer, anti-spasmodics, anti-diarrheals, laxatives and lubricants.

7. Genito urinary system Drugs:

Urinary infectives, diuretics and anti-diuretics, analgsics , spermicidal, contraceptives

8. Allergy & immunology

Antiallergic and antihistamin, immuno-suppressants.

9. Hormones

Anebolic and androgenic steroids, corticosteroids, oestrogen, progeslogers and

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contraceptives, thyroids and antithyroid drugs, antidiabetic and hyper glycemics, fertility agents, antiobesity drugs, hypolipidaemic agents.

10. Antiinfections and Antiinfestation

Anticancer introduction to chemotherapeutic agents Antimalarials, antiprotogals, antileprosy, antitubercular, antifungal, antianaerobicsanthelminthicsand antiinfestive drugs and antiviral. Antibiotics and Antibacterials

Pencillins, cephelosphorins, fluroquinolones, aminoglycosides, macrolides and other antibiotics, chloramphenicol, tetracycline, oxazolidinediones, and sulfonamides.