



Medicinal Chemistry-II	
Title: Medicinal Chemistry-II	
Subject code: 324 PHC	
Semester: Sixth Semester (Third Year).	
Duration: 2 + 1 Units (5 contact hours) per week.	
Aims: To enable the student to know the chemistry and mode of action of hormones and drugs acting on the central nervous system.	
Objectives: At the end of the course the student should know the basic concept of chemistry and mode of action of steroidal and non steroidal hormones and drugs acting on the central nervous system.	
Contents: Chemistry and mode of action of drugs acting on the central nervous system (analgesics, anaesthetics, psychotropic drugs, antiepileptics and antiparkinsonism), non steroidal anti-inflammatory, antihistaminic, local anesthetic agents, vitamins, prostaglandins, steroidal and non-steroidal hormones, adrenocorticoids, oral hypoglycemics and anti-thyroid agents. Drug design for related drugs.	
Minimum course requirements: 30 (2 x 15) Unit lectures and 45 practical hours (3 x 15) per level.	
Evaluation methods:	
- Quizzes	10%
- Mid term examination	25%
- Practical examinations	25%
- Final examination (written)	40%



Text Books (latest editions):

- 1- Principles of Medicinal Chemistry, W.O. Foye, T. L. Lemke, David A Williams.
- 2- Essentials for Pharmaceutical Chemistry, Donald Cairns, Principal Pharmacist, Kent and Canterbury.

Recommended books (latest editions):

- 1-An Introduction to Medical Chemistry, Graham L. Patrick.
- 2-Medicinal Chemistry: An Introduction T.B., G. Thomas, Wiley, John Wiley.
- 3-A Text book for Medical Chemistry, P. Parimoo.
- 4- Medicinal Chemistry, C.R. Anellin.
- 5- Pharmaceutical Chemistry, M.B.Christine.
- 6- Wilson and Gisvold's Textbook of Organic Medicinal and Pharmaceutical Chemistry.