

Pharmaceutical Technology

B.E. Sem. VIII [CHEM]

(Elective – III)

EVALUATION SYSTEM

	Time	Marks
Theory Exam	3 Hrs.	100
Practical Exam	–	–
Oral Exam	–	–
Term Work	–	25

SYLLABUS

1. Development of drugs and pharmaceutical industry, organic therapeutic agents uses and economics. Drug metabolism physio chemical principles –radioactivity- pharma kinetics- action of drugs of human bodies.
2. Chemical conversion process, Alkylation, carboxylation, condensation and cyclisation, dehydration, esterification, halogenation, oxidation, sulforation, complex chemical conversion, fermentation.
3. Compressed Tablets, wet granulation, dry granulation, direct compression, tablet presses formulation.
4. Coating, pills, capsules sustained action dosages forms, parenter solutions, oral liquids, injections, cirtmerts, standards of hygiene's and good manufacturing practice.
5. Vitamins, cold remedies, laxatives, analgesic, non steroidal contraceptives, external antiseptics, antacids and others.
6. Antibiotics, biologicals, hormones, vitamins, preservations, analytical methods or test for varios drugs and pharmceuticals packing, packing techniques, quality control.

Reference Books :

1. Text books of pharmaceuticals III edition (*E.A. Rawlines Bertleys*) billieere Tincall, London, 1977.
2. Drugs and Pharmaceutical Science Volume I,II,III,IV,V,VI and VII (*S.H. Yalkorsky and J. Swarbrick*) Marcel Dekar Inc. New York 1975
3. Remingtons Pharmaceutical Sciences, Mark Publishing Co.

