

**BCO 111-P PHARMACEUTICS [P]****Practical Course Credit : 1****Contact Hours : 30**

1. Sterility testing of air, water, work place.
2. Quality control of different types of pharmaceutical formulations: tablets, liquids/gels, injectables, topicals
  - a) Physico-chemical analysis: dispersibility, quantitation of drug (paracetamol)
  - b) Microbiological analysis
  - c) Testing the shelf-life stability of the drug.

**Reference Books (Composite list for theory and practicals)**

1. Troy, D.B., Remington's-The Science and practice of Pharmacy (Vol.1& 2). Lippincott Williams &Wilkins
2. Carter, S.J., Cooper & Gunn's Dispensing for pharmaceutical students. Cbs Publishers & Distributers
3. Aulton, M.E., Pharmaceutics: The science of dosage form design. Churchill-Livingstone
4. Lachman, L., Herbert A., Lieberman,& Kanig, L., Theory and practice of industrial pharmacy. Lea &Febiger, Philadelphia
5. Sprowls, B.B. Prescription Pharmacy
6. Beckett, A. H. &Stenlake, J. B., Practical pharmaceutical chemistry. Vol. I 4th , The Anthlone Press of University of London
7. Connors, K.A.A., Textbook of Pharmaceutical Analysis, Wiley Interscience, NewYork
8. Howard, A., Introduction of Pharmaceutical Dosage Forms 3rd Lea &Febiger
9. Porter, R.S., The Merck Manual for Diagnosis and Therapy, 19<sup>th</sup> edition, Wiley