

Syllabus for M.Sc. Pharmaceutical Chemistry Program

Semester I

- 1 Basic Physiology and Pharmacognosy
- 2 Natural Products
- 3 Biophysical Chemistry
- 4 Basic Pharmaceutical chemistry
- 5 Practical : Biochemistry & Physical Chemistry
- 6 Practical : Pharmaceutical Chemistry -I
- 7 Viva Voce

Semester II

- 1 Basic Pharmaceutics and pharmacology
- 2 Medicinal Chemistry-I
- 3 Separation Techniques
- 4 Organic Chemistry
- 5 Practical :Organic Chemistry
- 6 Practical:Practicals: Pharmaceutical Chemistry - II
- 7 Viva Voce

Semester III

- 1 Drug Design and Development
- 2 Medicinal chemistry – II
- 3 Spectroscopic methods for quality control
- 4 Advance Pharmaceutical Chemistry
- 5 Practicals: Organic Chemistry - II
- 6 Practicals : Pharmaceutical Analysis
- 7 Viva Voce

Semester IV

- 1 Pharmaceutical Technology
- 2 Medicinal chemistry – III
- 3 Validation, Documentation and cGMP
- 4 Green Chemistry & Combinatorial Chemistry
- 5 Project Work
- 6 Viva Voce