

Courses Outline

Semester 1

Human Anatomy and Physiology I–Theory
Pharmaceutical Analysis I – Theory
Pharmaceutics I – Theory
Pharmaceutical Inorganic Chemistry–Theory
Communication skills – Theory *
Remedial Biology/Remedial Mathematics – Theory#
Human Anatomy and Physiology – Practical
Pharmaceutical Analysis I – Practical
Pharmaceutics I – Practical
Pharmaceutical Inorganic Chemistry –Practical
Communication skills – Practical*
Remedial Biology – Practical

Semester 2

Human Anatomy and Physiology II – Theory
Pharmaceutical Organic Chemistry I – Theory
Biochemistry – Theory
Pathophysiology – Theory
Computer Applications in Pharmacy – Theory *
Environmental sciences – Theory *
Human Anatomy and Physiology II –Practical
Pharmaceutical Organic Chemistry I– Practical
Biochemistry – Practical
Computer Applications in Pharmacy – Practical*

Semester 3

Pharmaceutical Organic Chemistry II – Theory
Physical Pharmaceutics I – Theory
Pharmaceutical Microbiology – Theory
Pharmaceutical Engineering – Theory
Pharmaceutical Organic Chemistry II – Practical
Physical Pharmaceutics I – Practical
Pharmaceutical Microbiology – Practical
Pharmaceutical Engineering –Practical

Semester 4

Pharmaceutical Organic Chemistry III– Theory
Medicinal Chemistry I – Theory
Physical Pharmaceutics II – Theory
Pharmacology I – Theory
Pharmacognosy and Phytochemistry I– Theory
Medicinal Chemistry I – Practical
Physical Pharmaceutics II – Practical
Pharmacology I – Practical
Pharmacognosy and Phytochemistry I – Practical

Semester 5

Medicinal Chemistry II – Theory
Industrial Pharmacy I– Theory
Pharmacology II – Theory
Pharmacognosy and Phytochemistry II– Theory
Pharmaceutical Jurisprudence – Theory
Industrial Pharmacy I – Practical
Pharmacology II – Practical
Pharmacognosy and Phytochemistry II – Practical

Semester 6

Medicinal Chemistry III – Theory
Pharmacology III – Theory
Herbal Drug Technology – Theory
Biopharmaceutics and Pharmacokinetics – Theory
Pharmaceutical Biotechnology – Theory
Quality Assurance –Theory
Medicinal chemistry III – Practical
Pharmacology III – Practical
Herbal Drug Technology – Practical

Semester 7

Instrumental Methods of Analysis – Theory
Industrial Pharmacy II – Theory

Pharmacy Practice – Theory
Novel Drug Delivery System – Theory
Instrumental Methods of Analysis – Practical
Practice School*

Semester 8

Biostatistics and Research Methodology
Social and Preventive Pharmacy
Pharma Marketing Management
Pharmaceutical Regulatory Science
Pharmacovigilance
Quality Control and Standardization of Herbals
Computer Aided Drug Design
Cell and Molecular Biology
Cosmetic Science
Experimental Pharmacology
Advanced Instrumentation Techniques
Dietary Supplements and Nutraceuticals
Project Work

#Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.

* Non University Examination (NUE)