

3. Course Structures & Guidelines – of all programmes

Bachelor of Pharmacy– 4 years Programme

First Year-

Semester I

Area	Subject	Total Hrs.	Credits
Pharmacy	Human Anatomy and Physiology I – Theory	60	4
	Pharmaceutical Analysis – Theory	60	4
	Pharmaceutics I – Theory	60	4
	Pharmaceutical Inorganic Chemistry – Theory	60	4
	Communication skills – Theory	30	2
	Remedial Biology – Theory	30	2
	Remedial Mathematics – Theory	30	2
	Human Anatomy and Physiology I - Practical	60	2
	Pharmaceutical Analysis – Practical	60	2
	Pharmaceutics I – Practical	60	2
	Pharmaceutical Inorganic Chemistry – Practical	60	2
	Communication skills – Practical	30	1
	Remedial Biology – Practical	30	1

Semester II

Area	Subject	Total Hrs.	Credits
Pharmacy	Human Anatomy and Physiology II – Theory	60	4
	Pharmaceutical Organic Chemistry I – Theory	60	4
	Biochemistry - Theory	60	4
	Pathophysiology – Theory	60	4
	Computer Applications in Pharmacy – Theory	45	3
	Environmental sciences – Theory	45	3
	Human Anatomy and Physiology II – Practical	60	2
	Pharmaceutical Organic Chemistry I – Practical	60	2
	Biochemistry – Practical	60	2
	Computer Applications in Pharmacy – Practical	30	1
	Inventions of Science	15	1

Second Year –**Semester III**

Area	Subject	Total Hrs.	Credits
Pharmacy	Pharmaceutical Organic Chemistry II – Theory	60	4
	Physical Pharmaceutics I – Theory	60	4
	Pharmaceutical Microbiology – Theory	60	4
	Pharmaceutical Engineering – Theory	60	4
	Pharmaceutical Organic Chemistry II – Practical	60	2
	Physical Pharmaceutics I – Practical	60	2
	Pharmaceutical Microbiology – Practical	60	2
	Pharmaceutical Engineering – Practical	60	2
	Introduction to Research I- Theory	15	1

Semester IV

Area	Subject	Total Hrs.	Credits
Pharmacy	Pharmaceutical Organic Chemistry III – Theory	60	4
	Medicinal Chemistry I – Theory	60	4
	Physical Pharmaceutics II – Theory	60	4
	Pharmacology I – Theory	60	4
	Pharmacognosy and Phytochemistry I – Theory	60	4
	Medicinal Chemistry I – Practical	60	2
	Physical Pharmaceutics II – Practical	60	2
	Pharmacology I – Practical	60	2
	Pharmacognosy and Phytochemistry I – Practical	60	2
	Introduction to Research II- Theory	15	1

Third Year

Semester V

Area	Subject	Total Hrs.	Credits
Pharmacy	Medicinal Chemistry II – Theory	60	4
	Industrial Pharmacy I – Theory	60	4
	Pharmacology II – Theory	60	4
	Pharmacognosy and Phytochemistry II – Theory	60	4
	Pharmaceutical Jurisprudence – Theory	60	4
	Industrial Pharmacy I – Practical	60	2
	Pharmacology II – Practical	60	2
	Pharmacognosy and Phytochemistry II – Practical	60	2
	Technical Writing and Publication I	22.5	1.5

Semester VI

Area	Subject	Total Hrs.	Credits
Pharmacy	Medicinal Chemistry III – Theory	60	4
	Pharmacology III – Theory	60	4
	Herbal Drug Technology – Theory	60	4
	Biopharmaceutics and Pharmacokinetics – Theory	60	4
	Pharmaceutical Biotechnology – Theory	60	4
	Pharmaceutical Quality Assurance - Theory	60	4
	Medicinal Chemistry III – Practical	60	2
	Pharmacology III – Practical	60	2
	Herbal Drug Technology – Practical	60	2
	Technical Writing and Publication II	22.5	1.5

Fourth Year

Semester VII

Area	Subject	Total Hrs.	Credits
Pharmacy	Industrial Training	168	4
	Instrumental Methods of Analysis – Theory	60	4
	Industrial Pharmacy II – Theory	60	4
	Pharmacy Practice – Theory	60	4
	Novel Drug Delivery Systems – Theory	60	4
	Instrumental Methods of Analysis – Practical	60	2
	Practice School	180	6
	Career Initiation Skills	15	1

Semester VIII

Area	Subject	Total Hrs.	Credits
Pharmacy	Biostatistics and Research Methodology - Theory	60	4
	Social and Preventive Pharmacy - Theory	60	4
	Life Skills	15	1
	Elective 1	60	4
	Elective 2	60	4
	Project Work	180	6
	Electives		
	• Pharmaceutical Marketing Management - Theory		
	• Pharmaceutical Regulatory Science – Theory		
	• Pharmacovigilance – Theory		
	• Quality Control and Standardization of Herbals – Theory		
	• Computer Aided Drug Design – Theory		
	• Cell and Molecular Biology – Theory		
	• Cosmetic Science – Theory		
	• Pharmacological Screening Methods – Theory		
	• Advanced Instrumentation Techniques – Theory		
• Dietary Supplements and Nutraceuticals - Theory			
• Pharmaceutical Product Development – Theory			