

Programme: B.Pharmacy
Duration: Four-Years
Academic Curriculum (2017-18 onwards)

First Year
First (I) Semester

	S. No.	Course Code	Course Title	Contact Hours per Week			Credits	Total Hours
				L	T	P		
Autumn Semester	1	BP101T	Human Anatomy and Physiology I – Theory	3	1	0	4	4
	2	BP102T	Pharmaceutical Analysis I – Theory	3	1	0	4	4
	3	BP103T	Pharmaceutics I – Theory	3	1	0	4	4
	4	BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	0	4	4
	5	BP105T	Communication skills – Theory *	2	0	0	2	2
	6	BP106RBT BP106RMT	Remedial Biology/ Remedial Mathematics –	2	0	0	2	2
	7	BP107P	Human Anatomy and Physiology – Practical	0	0	4	2	4
	8	BP108P	Pharmaceutical Analysis I – Practical	0	0	4	2	4
	9	BP109P	Pharmaceutics I – Practical	0	0	4	2	4
	10	BP110P	Pharmaceutical Inorganic Chemistry – Practical	0	0	4	2	4
	11	BP111P	Communication skills – Practical*	0	0	2	1	2
	12	BP112RBP	Remedial Biology – Practical*	0	0	2	1	2
			Sub Total	16	4	20	27/ 29\$ /30	36/38 \$/40#

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

\$Applicable ONLY for the students who have studied Physics/ Chemistry/ Botany/ Zoology at HSC and appearing for Remedial Mathematics (RM) course. * Non University Examination (NUE)

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First Year
Second (II) Semester

	S. No.	Course Code	Course Title	Contact Hours per Week			Credits	Total Hours
				L	T	P		
Spring Semester	1	BP201T	Human Anatomy and Physiology II – Theory	3	1	0	4	4
	2	BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	0	4	4
	3	BP203T	Biochemistry – Theory	3	1	0	4	4
	4	BP204T	Pathophysiology – Theory	3	1	0	4	4
	5	BP205T	Computer Applications in Pharmacy – Theory *	3	0	0	3	3
	6	BP206T	Environmental sciences – Theory *	3	0	0	3	3
	7	BP207P	Human Anatomy and Physiology II –Practical	0	0	4	2	4
	8	BP208P	Pharmaceutical Organic Chemistry I– Practical	0	0	4	2	4
	9	BP209P	Biochemistry – Practical	0	0	4	2	4
	10	BP210P	Computer Applications in Pharmacy – Practical*	0	0	2	1	2
		Sub Total			18	4	14	29

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Second Year
Third (III) Semester

	S. No.	Course Code	Course Title	Contact Hours per Week			Credits	Total Hours
				L	T	P		
Autumn Semester	1	BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	0	4	4
	2	BP302T	Physical Pharmaceutics I – Theory	3	1	0	4	4
	3	BP303T	Pharmaceutical Microbiology – Theory	3	1	0	4	4
	4	BP304T	Pharmaceutical Engineering – Theory	3	1	0	4	4
	5	BP305P	Pharmaceutical Organic Chemistry II – Practical	0	0	4	2	4
	6	BP306 P	Physical Pharmaceutics I – Practical	0	0	4	2	4
	7	BP307P	Pharmaceutical Microbiology – Practical	0	0	4	2	4
	8	BP308P	Pharmaceutical Engineering – Practical	0	0	4	2	4
				Sub Total	12	4	16	24

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Second Year
Fourth (IV) Semester

	S. No.	Course Code	Course Title	Contact Hours per Week			Credits	Total Hours
				L	T	P		
Spring Semester	1	BP401T	Pharmaceutical Organic Chemistry III– Theory	3	1	0	4	4
	2	BP402T	Medicinal Chemistry I – Theory	3	1	0	4	4
	3	BP403T	Physical Pharmaceutics II – Theory	3	1	0	4	4
	4	BP404T	Pharmacology I – Theory	3	1	0	4	4
	5	BP405T	Pharmacognosy and Phytochemistry I– Theory	3	1	0	4	4
	6	BP406P	Medicinal Chemistry I – Practical	0	0	4	2	4
	7	BP407P	Physical Pharmaceutics II – Practical	0	0	4	2	4
	8	BP408P	Pharmacology I– Practical	0	0	4	2	4
	9	BP409P	Pharmacognosy and Phytochemistry I– Practical	0	0	4	2	4
		Sub Total			15	5	16	28

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Third Year
Fifth (V) Semester

	S. No.	Course Code	Course Title	Contact Hours per Week			Credits	Total Hours
				L	T	P		
Autumn Semester	1	BP501T	Medicinal Chemistry II – Theory	3	1	0	4	4
	2	BP502T	Formulative Pharmacy– Theory	3	1	0	4	4
	3	BP503T	Pharmacology II – Theory	3	1	0	4	4
	4	BP504T	Pharmacognosy II – Theory	3	1	0	4	4
	5	BP505T	Pharmaceutical Jurisprudence – Theory	3	1	0	4	4
	6	BP506P	Formulative Pharmacy – Practical	0	0	4	2	4
	7	BP507P	Pharmacology II – Practical	0	0	4	2	4
	8	BP508P	Pharmacognosy II – Practical	0	0	4	2	4
		Sub Total			15	5	12	26

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Third Year
Sixth (VI) Semester

	S. No.	Course Code	Course Title	Contact Hours per Week			Credits	Total Hours
				L	T	P		
Spring Semester	1	BP601T	Medicinal Chemistry III – Theory	3	1	0	4	4
	2	BP602T	Pharmacology III – Theory	3	1	0	4	4
	3	BP603T	Herbal Drug Technology – Theory	3	1	0	4	4
	4	BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	0	4	4
	5	BP605T	Pharmaceutical Biotechnology – Theory	3	1	0	4	4
	6	BP606T	Quality Assurance –Theory	3	1	0	4	4
	7	BP607P	Medicinal chemistry III – Practical	0	0	4	2	4
	8	BP608P	Pharmacology III – Practical	0	0	4	2	4
	9	BP609P	Herbal Drug Technology – Practical	0	0	4	2	4
				Sub Total	18	6	12	30

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Fourth Year
Seventh (VII) Semester

	S. No.	Course Code	Course Title	Contact Hours per Week			Credits	Total Hours
				L	T	P		
Autumn Semester	1	BP701T	Instrumental Methods of Analysis- Theory	3	1	0	4	4
	2	BP702T	Industrial Pharmacy – Theory	3	1	0	4	4
	3	BP703T	Pharmacy Practice – Theory	3	1	0	4	4
	4	BP704T	Novel Drug Delivery System – Theory	3	1	0	4	4
	5	BP705P	Instrumental Methods of Analysis- Practical	0	0	4	2	4
	6	BP706 PS	Practice School*	0	0	12	6	12
				Sub Total	12	4	16	24

*The subject experts at college level shall conduct examinations

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Fourth Year
Eighth (VIII) Semester

	S. No.	Course Code	Course Title	Contact Hours per Week			Credits	Total Hours
				L	T	P		
Spring Semester	1	BP801T	Biostatistics and Research Methodology	3	1	0	4	4
	2	BPB802T	Industrial Pharmacy – Theory	3	1	0	4	4
	3	BP803ET	Pharmaceutical Marketing	3+3	1+1	0	4+4	4+4
	4	BP804ET	Pharmaceutical Regulatory Science					
	5	BP805ET	Pharmacovigilance					
	6	BP806 ET	Quality Control and Standardizations of Herbals					
	7	BP807 ET	Computer Aided Drug Design					
	8	BP808 ET	Cosmetic Science					
	9	BP809 ET	Cosmetic Science					
	10	BP8010 ET	Experimental Pharmacology					
	11	BP8011ET	Advanced Instrumentation Techniques					
	12	BP812PW	Project Work	0	0	12	6	12
			Sub Total	12	4	12	22	28