

BPharm Curriculum – PCI syllabus

As adopted by the Board of Studies, Pharm Tech, JU in its meeting dated 12.02.2021

Table-I: Course of study for Semester I

Course code	Name of the course	No. of hours	Theory (T) /Practical (P)/ Sessional (S)	Credit points	Marks
BP101T	Human Anatomy and Physiology I–Theory	3	T	4	100
BP102T	Pharmaceutical Analysis I – Theory	3	T	4	100
BP103T	Pharmaceutics I – Theory	3	T	4	100
BP104T	Pharmaceutical Inorganic Chemistry –Theory	3	T	4	100
BP105T	Communication skills – Theory *	2	T	2	50
BP106RBT	Remedial Biology Theory	2	T	2	50
BP107P/S	Human Anatomy and Physiology – Practical	4	P + S	2	25+25
BP108P/S	Pharmaceutical Analysis I – Practical	4	P + S	2	25+25
BP109P/S	Pharmaceutics I – Practical	4	P + S	2	25+25
BP110P/S	Pharmaceutical Inorganic Chemistry – Practical	4	P + S	2	25+25
BP111S	Communication skills – Practical	2	S	1	25
BP112RBS	Remedial Biology – Practical	2	S	1	25
Total		36		30	750

NOTE: For theory papers in UG: 30% marks will come from Class Test or internal assessment and 70% marks from the Semester examination (as usual in FET).

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Table-II: Course of study for semester II

Course Code	Name of the course	No. of hours	Theory (T) /Practical (P)/ Sessional (S)	Credit points	Marks
BP201T	Human Anatomy and Physiology II – Theory	3	T	4	100
BP202T	Pharmaceutical Organic Chemistry I – Theory	3	T	4	100
BP203T	Biochemistry – Theory	3	T	4	100
BP204T	Pathophysiology – Theory	3	T	4	100
BP205T	Computer Applications in Pharmacy – Theory	3	T	3	75
BP206T	Environmental sciences – Theory	3	T	3	75
BP207P/S	Human Anatomy and Physiology II –Practical	4	P+S	2	25+25
BP208P/S	Pharmaceutical Organic Chemistry I– Practical	4	P+S	2	25+25
BP209P/S	Biochemistry – Practical	4	P+S	2	25+25
BP210S	Computer Applications in Pharmacy – Practical	2	S	1	25
Total		32		29	725

Table-III: Course of study for semester III

Course code	Name of the course	No. of hours	Theory (T) /Practical (P)/ Sessional (S)	Credit points	Marks
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	T	4	100
BP302T	Physical Pharmaceutics I – Theory	3	T	4	100
BP303T	Pharmaceutical Microbiology – Theory	3	T	4	100
BP304T	Pharmaceutical Engineering – Theory	3	T	4	100
BP305P/S	Pharmaceutical Organic Chemistry II – Practical	4	P+S	2	25+25
BP306P/S	Physical Pharmaceutics I – Practical	4	P+S	2	25+25
BP307P/S	Pharmaceutical Microbiology – Practical	4	P+S	2	25+25
BP 308P/S	Pharmaceutical Engineering –Practical	4	P+S	2	25+25
Total		28		24	600

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Table-IV: Course of study for semester IV

Course code	Name of the course	No. of hours	Theory (T) /Practical (P)/ Sessional (S)	Credit points	Marks
BP401T	Pharmaceutical Organic Chemistry III– Theory	3	T	4	100
BP402T	Medicinal Chemistry I – Theory	3	T	4	100
BP403T	Physical Pharmaceutics II – Theory	3	T	4	100
BP404T	Pharmacology I – Theory	3	T	4	100
BP405T	Pharmacognosy and Phytochemistry I– Theory	3	T	4	100
BP406P/S	Medicinal Chemistry I – Practical	4	P+S	2	25+25
BP407P/S	Physical Pharmaceutics II – Practical	4	P+S	2	25+25
BP408P/S	Pharmacology I – Practical	4	P+S	2	25+25
BP409P/S	Pharmacognosy and Phytochemistry I – Practical	4	P+S	2	25+25
Total		31		28	700

Table-V: Course of study for semester V

Course code	Name of the course	No. of hours	Theory (T) /Practical (P)/ Sessional (S)	Credit points	Marks
BP501T	Medicinal Chemistry II – Theory	3	T	4	100
BP502T	Industrial PharmacyI– Theory	3	T	4	100
BP503T	Pharmacology II – Theory	3	T	4	100
BP504T	Pharmacognosy and Phytochemistry II– Theory	3	T	4	100
BP505T	Pharmaceutical Jurisprudence – Theory	3	T	4	100
BP506P/S	Industrial PharmacyI – Practical	4	P+S	2	25+25
BP507P/S	Pharmacology II – Practical	4	P+S	2	25+25
BP508P/S	Pharmacognosy and Phytochemistry II – Practical	4	P+S	2	25+25
Total		27	5	26	650

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Table-VI: Course of study for semester VI

Course code	Name of the course	No. of hours	Theory (T) /Practical (P)/ Sessional (S)	Credit points	Marks
BP601T	Medicinal Chemistry III – Theory	3	T	4	100
BP602T	Pharmacology III – Theory	3	T	4	100
BP603T	Herbal Drug Technology – Theory	3	T	4	100
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	T	4	100
BP605T	Pharmaceutical Biotechnology – Theory	3	T	4	100
BP606T	Quality Assurance –Theory	3	T	4	100
BP607P/S	Medicinal chemistry III – Practical	4	P+S	2	25+25
BP608P/S	Pharmacology III – Practical	4	P+S	2	25+25
BP609P/S	Herbal Drug Technology – Practical	4	P+S	2	25+25
Total		30	6	30	750

Table-VII: Course of study for semester VII

Course code	Name of the course	No. of hours	Theory (T) /Practical (P)/ Sessional (S)	Credit points	Marks
BP701T	Instrumental Methods of Analysis – Theory	3	T	4	100
BP702T	Industrial PharmacyII – Theory	3	T	4	100
BP703T	Pharmacy Practice – Theory	3	T	4	100
BP704T	Novel Drug Delivery System – Theory	3	T	4	100
BP705P/S	Instrumental Methods of Analysis – Practical	4	P/S	2	25+25
BP706PS	Practice School*	12	S	6	150
Total		28	5	24	600

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Table-VIII: Course of study for semester VIII

Course code	Name of the course	No. of hours	Theory (T) /Practical (P)/ Sessional (S)	Credit points	Marks
BP801T	Biostatistics and Research Methodology	3	T	4	100
BP802T	Social and Preventive Pharmacy	3	T	4	100
BP803ET	Pharma Marketing Management	3+3= 6	T+T ^{\$}	4+4= 8	100+100
BP804ET	Pharmaceutical Regulatory Science				
BP805ET	Pharmacovigilance				
BP806ET	Quality Control and Standardization of Herbals				
BP807ET	Computer Aided Drug Design				
BP808ET	Cell and Molecular Biology				
BP809ET	Cosmetic Science				
BP810ET	Experimental Pharmacology				
BP811ET	Advanced Instrumentation Techniques	12	S	6	150
BP813PW	Project Work				
BP814CA	Cocurricular Activity*				
Total		24	4	23	575

^{\$} One elective from LSSDC skill packs will also be allowed (as per PCI).

*Over the total duration of BPharm course Co-curricular activity:

1. Attending Pharmacy and health related seminar symposium (25 marks or 1 credit point)
2. Membership of Pharmacy related Association (25 marks or 1 credit point)
3. Industrial/professional/hands-on training in instrumentation (1 point)

Table-IX: Semester wise credits distribution

Semester	Credit Points	Marks
I	30	750
II	29	725
III	26	600
IV	28	700
V	26	650
VI	26	750
VII	24	600
VIII	23	575
Total credit points for the program	212	5350