



ARKA JAIN University
Jharkhand (Jamshedpur)

Recognized by **UGC**
Approved by **AICTE**

Scheme of study of the Program
Bachelor of Pharmacy (B- Pharmacy)
Semester I, II, III, IV, V, VI, VII, VIII
(w.e.f batch 2019)

SEMESTER-I

Sl. No.	Course Code	Name of the Subject	Credits	Contact Hours Per Week	Tutorial	Total Marks	End Term Theory/Practical Exam	Mid Term Theory/Practical Exam	CM	Attendance*
1	BP101T	Human Anatomy and Physiology I– Theory	4	3	1	100	75	15	6	4
2	BP102T	Pharmaceutical Analysis I – Theory	4	3	1	100	75	15	6	4
3	BP103T	Pharmaceutics I – Theory	4	3	1	100	75	15	6	4
4	BP104T	Pharmaceutical Inorganic Chemistry – Theory	4	3	1	100	75	15	6	4
5	BP105T	Communication skills – Theory *	2	2	-	50	35	10	3	2
6	BP106R BT/ BP106R MT	Remedial Biology/ Mathematics – Theory*	2	2	-	50	35	10	3	2
7	BP107P	Human Anatomy and Physiology I– Practical	2	4	-	50	35	10	3	2
8	BP108P	Pharmaceutical Analysis I – Practical	2	4	-	50	35	10	3	2
9	BP109P	Pharmaceutics I – Practical	2	4	-	50	35	10	3	2
10	BP110P	Pharmaceutical Inorganic Chemistry – Practical	2	4	-	50	35	10	3	2
11	BP111P	Communication skills – Practical*	1	2	-	25	15	5	3	2
12	BP112R BP	Remedial Biology – Practical*	1	2	-	25	15	5	3	2
	Total		27/29 [§] /30 [#]	(32/34 [§] /36 [#])	4	675/725 [§] /750 [#])	490/525 [§] /540 [#]	115/125 [§] /130 [#]	42/45 [§] /48 [#]	28/30 [§] /32 [#]

SEMESTER-II

Sl. No	Course Code	Name of the Subject	Credits	Contact Hours Per Week	Tutorial	Total Marks	End Term Theory/Practical Exam	Mid Term Theory/Practical Exam	CM	Attendance*
1	BP201T	Human Anatomy and Physiology II–Theory	4	3	1	100	75	15	6	4
2	BP202T	Pharmaceutical Organic Chemistry I –Theory	4	3	1	100	75	15	6	4
3	BP203T	Biochemistry – Theory	4	3	1	100	75	15	6	4
4	BP204T	Pathophysiology – Theory	4	3	1	100	75	15	6	4
5	BP205T	Computer Applications in Pharmacy –Theory *	3	3	-	75	50	15	8	2
6	BP206T	Environmental sciences – Theory*	3	3	-	75	50	15	8	2
7	BP207P	Human Anatomy and Physiology II–Practical	2	4	-	50	35	10	3	2
8	BP208P	Pharmaceutical Organic Chemistry I –Practical	2	4	-	50	35	10	3	2
9	BP209P	Biochemistry – Practical	2	4	-	50	35	10	3	2
10	BP210P	Computer Applications in Pharmacy – Practical *	1	2	-	25	15	5	3	2
Total			29	32	4	725	520	125	50	30

SEMESTER-III

Sl. No	Course Code	Name of the Subject	Credits	Contact Hours Per Week	Tutorial	Total Marks	End Term Theory/Practical Exam	Mid Term Theory/Practical Exam	CM	Attendance*
1	BP301T	Pharmaceutical Organic Chemistry II – Theory	4	3	1	100	75	15	6	4
2	BP302T	Physical Pharmaceutics-I Theory	4	3	1	100	75	15	6	4
3	BP303T	Pharmaceutical Microbiology-Theory	4	3	1	100	75	15	6	4

4	BP304T	Pharmaceutical Engineering-Theory	4	3	1	100	75	15	6	4
5	BP305P	Pharmaceutical Organic Chemistry II – Practical	2	4	-	50	35	10	3	2
6	BP306P	Physical Pharmaceutics I – Practical	2	4	-	50	35	10	3	2
7	BP307P	Pharmaceutical Microbiology – Practical	2	4	-	50	35	10	3	2
8	BP308P	Pharmaceutical Engineering – Practical	2	4	-	50	35	10	3	2
Total			24	28	4	600	440	100	36	24

SEMESTER-IV

Sl. No	Course Code	Name of the Subject	Credits	Contact Hours Per Week	Tutorial	Total Marks	End Term Theory/Practical Exam	Mid Term Theory/Practical Exam	C M	Attendance*
1	BP401T	Pharmaceutical Organic Chemistry III – Theory	4	3	1	100	75	15	6	4
2	BP402T	Medicinal Chemistry I – Theory	4	3	1	100	75	15	6	4
3	BP403T	Physical Pharmaceutics II – Theory	4	3	1	100	75	15	6	4
4	BP404T	Pharmacology I – Theory	4	3	1	100	75	15	6	4
5	BP405T	Pharmacognosy I – Theory	4	3	1	100	75	15	6	4
6	BP406P	Medicinal Chemistry I – Practical	2	4	-	50	35	10	3	2
7	BP407P	Physical Pharmaceutics II – Practical	2	4	-	50	35	10	3	2
8	BP408P	Pharmacology I – Practical	2	4	-	50	35	10	3	2
9	BP409P	Pharmacognosy I – Practical	2	4	-	50	35	10	3	2
Total			28	31	5	700	515	115	42	28

SEMESTER V

Sl. No	Course Code	Name of the Subject	Credits	Contact Hours Per Week	Tutorial	Total Marks	End Term Theory/Practical Exam	Mid Term Theory/Practical Exam	CM	Attendance*
1	BP501T	Medicinal Chemistry II – Theory	4	3	1	100	75	15	6	4
2	BP502T	Industrial PharmacyI– Theory	4	3	1	100	75	15	6	4
3	BP503T	Pharmacology II – Theory	4	3	1	100	75	15	6	4
4	BP504T	Pharmacognosy II – Theory	4	3	1	100	75	15	6	4
5	BP505T	Pharmaceutical Jurisprudence – Theory	4	3	1	100	75	15	6	4
6	BP506P	Industrial PharmacyI– Practical	2	4	-	50	35	10	3	2
7	BP507P	Pharmacology II – Practical	2	4	-	50	35	10	3	2
8	BP508P	Pharmacognosy II – Practical	2	4	-	50	35	10	3	2
	Total		26	27	5	650	480	105	39	26

SEMESTER VI

Sl. No	Course Code	Name of the Subject	Credits	Contact Hours Per Week	Tutorial	Total Marks	End Term Theory/Practical Exam	Mid Term Theory/Practical Exam	CM	Attendance*
1	BP601T	Medicinal Chemistry III – Theory	4	3	1	100	75	15	6	4
2	BP602T	Pharmacology III – Theory	4	3	1	100	75	15	6	4
3	BP603T	Herbal Drug Technology – Theory	4	3	1	100	75	15	6	4
4	BP604T	Biopharmaceutics and Pharmacokinetics – Theory	4	3	1	100	75	15	6	4
5	BP605T	Pharmaceutical Biotechnology – Theory	4	3	1	100	75	15	6	4

6	BP606T	Quality Assurance– Theory	4	3	1	100	75	15	6	4
7	BP607P	Medicinal chemistry III – Practical	2	4	-	50	35	10	3	2
8	BP608P	Pharmacology III – Practical	2	4	-	50	35	10	3	2
9	BP609P	Herbal Drug Technology – Practical	2	4	-	50	35	10	3	2
Total			30	30	6	750	555	120	45	30

SEMESTER VII

Sl. No	Course Code	Name of the Subject	Credits	Contact Hours Per Week	Tutorial	Total Marks	End Term Theory/Practical Exam	Mid Term Theory/Practical Exam	CM	Attendance*
1	BP701T	Instrumental Methods of Analysis – Theory	4	3	1	100	75	15	6	4
2	BP702T	Industrial Pharmacy – Theory	4	3	1	100	75	15	6	4
3	BP703T	Pharmacy Practice – Theory	4	3	1	100	75	15	6	4
4	BP704T	Novel Drug Delivery System – Theory	4	3	1	100	75	15	6	4
5	BP705P	Instrumental Methods of Analysis Practical	2	4	-	50	35	10	3	2
6	BP706PS	Practice School*	6	12	-	150	125	-	21	4
Total			24	28	4	600	460	70	48	22

SEMESTER VIII

Sl. No.	Course Code	Name of the Subject	Credits	Contact Hours Per Week	Tutorial	Total Marks	End Term Theory/Practical Exam	Mid Term Theory/Practical Exam	CM	Attendance*
1	BP801T	Biostatistics and Research Methodology – Theory	4	3	1	100	75	15	6	4
2	BP802T	Social and Preventive Pharmacy– Theory	4	3	1	100	75	15	6	4
3	BP803ET	Pharmaceutical Marketing– Theory	4+4=8	3+3+	2	100+100=200	75+75	15+15	6+6	4+4

4	BP804E T	Pharmaceutical Regulatory Science – Theory								
5	BP805E T	Pharmacovigilance – Theory								
6	BP806E T	Quality Control and Standardization of Herbals – Theory								
7	BP807E T	Computer Aided Drug Design –Theory								
8	BP808E T	Cell and Molecular Biology – Theory								
9	BP809E T	Cosmetic Science – Theory								
10	BP810E T	Experimental Pharmacology – Theory								
11	BP811E T	Advanced Instrumentation Techniques – Theory								
12	BP812E T	Dietary Supplements and Nutraceuticals								
13	BP813P W	Project Work	6	12	-	150	150	-	-	-
	Total		22	24	4	550	450	60	24	16

#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)

CM-Continuous Mode evaluation for Theory subjects: Based on Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar) and Student – Teacher interaction, CM-Continuous Mode evaluation for Practical subjects: Based on Practical Records, Regular viva voce, etc

Note: Approved by BOS Dated 10.07.2019& Approved by Academic Council Dated 19.07.2019