

School of
Health and Allied Sciences

Department of Pharmacy

(Semester I - VIII)

Scheme of Study
(w.e.f Batch 2020)

JGi

ARKA JAIN University
Jharkhand

SEMESTER-I

S.No	Name of the Subject	Category	Credits	Contact Hours Per week L-T-P	Total Marks	Pass marks	End Term Exam	Mid Term Exam	CIA**	Attendance
1	Human Anatomy and Physiology I – Theory	Core	4	3-1-0	100	50	75	15	6	4
2	Pharmaceutical Analysis I – Theory	Core	4	3-1-0	100	50	75	15	6	4
3	Pharmaceutics I – Theory	Core	4	3-1-0	100	50	75	15	6	4
4	Pharmaceutical Inorganic Chemistry – Theory	Core	4	3-1-0	100	50	75	15	6	4
5	Communication skills – Theory	NUES	2	2-0-0	50	25	35	10	3	2
6	Remedial Biology - Theory*/ Remedial Mathematics – Theory#	NUES	2	2-0-0	50	25	35	10	3	2
7	Human Anatomy and Physiology I– Practical	Core	2	0-0-4	50	25	35	10	3	2
8	Pharmaceutical Analysis I – Practical	Core	2	0-0-4	50	25	35	10	3	2
9	Pharmaceutics I – Practical	Core	2	0-0-4	50	25	35	10	3	2
10	Pharmaceutical Inorganic Chemistry – Practical	Core	2	0-0-4	50	25	35	10	3	2
11	Communication skills – Practical	NUES	1	0-0-2	25	12.5	15	5	3	2
12	Remedial Biology – Practical*	NUES	1	0-0-2	25	12.5	15	5	3	2
	Total		30*/29#	40*/38#	750*/725#	375*/362.5#	540*/525#	130*/125#	48*/45#	32*/30#

C – Core Paper I NUES - Non University Examination Subject I E – Elective

SEMESTER-II

.No	Name of the Subject	Category	Credits	Contact Hours Per week L-T-P	Total Marks	Pass marks	End Term Exam	Mid Term Exam	CIA**	Attendance
1	Human Anatomy and Physiology II– Theory	Core	4	3-1-0	100	50	75	15	6	4
2	Pharmaceutical Organic Chemistry I –Theory	Core	4	3-1-0	100	50	75	15	6	4
3	Biochemistry – Theory	Core	4	3-1-0	100	50	75	15	6	4
4	Pathophysiology – Theory	Core	4	3-1-0	100	50	75	15	6	4
5	Computer Applications in Pharmacy –Theory	NUES	3	3-0-0	75	37.5	50	15	8	2
6	Environmental sciences – Theory	NUES	3	3-0-0	75	37.5	50	15	8	2
7	Human Anatomy and Physiology II– Practical	Core	2	0-0-4	50	25	35	10	3	2
8	Pharmaceutical Organic Chemistry I –Practical	Core	2	0-0-4	50	25	35	10	3	2
9	Biochemistry – Practical	Core	2	0-0-4	50	25	35	10	3	2
10	Computer Applications in Pharmacy –Practical	NUES	1	0-0-2	25	12.5	15	5	3	2
	Total		**29**	**36**	**725**	**362.5**	**520**	**125**	**52**	**28**

C – Core Paper I NUES - Non University Examination Subject I E – Elective

SEMESTER-III

S.No	Name of the Subject	Category	Credits	Contact Hours Per week L-T-P	Total Marks	Pass marks	End Term Exam	Mid Term Exam	CIA**	Attendance
1	Pharmaceutical Organic Chemistry II –Theory	Core	4	3-1-0	100	50	75	15	6	4
2	Physical Pharmaceutics-I Theory	Core	4	3-1-0	100	50	75	15	6	4
3	Pharmaceutical Microbiology-Theory	Core	4	3-1-0	100	50	75	15	6	4
4	Pharmaceutical Engineering-Theory	Core	4	3-1-0	100	50	75	15	6	4
5	Pharmaceutical Organic Chemistry II –Practical	Core	2	0-0-4	50	25	35	10	3	2
6	Physical Pharmaceutics I – Practical	Core	2	0-0-4	50	25	35	10	3	2
7	Pharmaceutical Microbiology – Practical	Core	2	0-0-4	50	25	35	10	3	2
8	Pharmaceutical Engineering – Practical	Core	2	0-0-4	50	25	35	10	3	2
	Total		24	32	600	300	440	100	36	24

C – Core Paper I NUES - Non University Examination Subject I E – Elective

SEMESTER-IV

S.No	Name of the Subject	Category	Credits	Contact Hours Per week L-T-P	Total Marks	Pass marks	End Term Exam	Mid Term Exam	CIA**	Attendance
1	Pharmaceutical Organic Chemistry III –Theory	Core	4	3-1-0	100	50	75	15	6	4
2	Medicinal Chemistry I – Theory	Core	4	3-1-0	100	50	75	15	6	4
3	Physical Pharmaceutics II – Theory	Core	4	3-1-0	100	50	75	15	6	4
4	Pharmacology I – Theory	Core	4	3-1-0	100	50	75	15	6	4
5	Pharmacognosy & Phytochemistry I – Theory	Core	4	3-1-0	100	50	75	15	6	4
6	Medicinal Chemistry I – Practical	Core	2	0-0-4	50	25	35	10	3	2
7	Physical Pharmaceutics II – Practical	Core	2	0-0-4	50	25	35	10	3	2
8	Pharmacology I – Practical	Core	2	0-0-4	50	25	35	10	3	2
9	Pharmacognosy & Phytochemistry I – Practical	Core	2	0-0-4	50	25	35	10	3	2
	Total		28	36	700	350	515	115	42	28

C – Core Paper I NUES - Non University Examination Subject I E – Elective

SEMESTER-V

S.No	Name of the Subject	Category	Credits	Contact Hours Per week L-T-P	Total Marks	Pass marks	End Term Exam	Mid Term Exam	CIA**	Attendance
1	Medicinal Chemistry II – Theory	Core	4	3-1-0	100	50	75	15	6	4
2	Industrial Pharmacy I – Theory	Core	4	3-1-0	100	50	75	15	6	4
3	Pharmacology II – Theory	Core	4	3-1-0	100	50	75	15	6	4
4	Pharmacognosy & Phytochemistry II – Theory	Core	4	3-1-0	100	50	75	15	6	4
5	Pharmaceutical Jurisprudence – Theory	Core	4	3-1-0	100	50	75	15	6	4
6	Industrial Pharmacy I– Practical	Core	2	0-0-4	50	25	35	10	3	2
7	Pharmacology II – Practical	Core	2	0-0-4	50	25	35	10	3	2
8	Pharmacognosy & Phytochemistry II – Practical	Core	2	0-0-4	50	25	35	10	3	2
	Total		26	32	650	325	480	105	39	26

C – Core Paper I NUES - Non University Examination Subject I E – Elective

SEMESTER-VI

S.No	Name of the Subject	Category	Credits	Contact Hours Per week L-T-P	Total Marks	Pass marks	End Term Exam	Mid Term Exam	CIA**	Attendance
1	Medicinal Chemistry III – Theory	Core	4	3-1-0	100	50	75	15	6	4
2	Pharmacology III – Theory	Core	4	3-1-0	100	50	75	15	6	4
3	Herbal Drug Technology – Theory	Core	4	3-1-0	100	50	75	15	6	4
4	Biopharmaceutics and Pharmacokinetics – Theory	Core	4	3-1-0	100	50	75	15	6	4
5	Pharmaceutical Biotechnology– Theory	Core	4	3-1-0	100	50	75	15	6	4
6	Quality Assurance– Theory	Core	4	3-1-0	100	50	75	15	6	4
7	Medicinal chemistry III – Practical	Core	2	0-0-4	50	25	35	10	3	2
8	Pharmacology III – Practical	Core	2	0-0-4	50	25	35	10	3	2
9	Herbal Drug Technology – Practical	Core	2	0-0-4	50	25	35	10	3	2
	Total		30	36	750	375	555	120	45	30

C – Core Paper I NUES - Non University Examination Subject I E – Elective

SEMESTER-VII

S.No	Name of the Subject	Category	Credits	Contact Hours Per week L-T-P	Total Marks	Pass marks	End Term Exam	Mid Term Exam	CIA**	Attendance
1	Instrumental Methods of Analysis – Theory	Core	4	3-1-0	100	50	75	15	6	4
2	Industrial Pharmacy – Theory	Core	4	3-1-0	100	50	75	15	6	4
3	Pharmacy Practice – Theory	Core	4	3-1-0	100	50	75	15	6	4
4	Novel Drug Delivery System –Theory	Core	4	3-1-0	100	50	75	15	6	4
5	Instrumental Methods of Analysis Practical	Core	2	0-0-4	50	25	35	10	3	2
6	Practice School*	Core	6	0-0-12	150	75	125	-	21	4
	Total		24	32	600	300	460	70	48	22

C – Core Paper I NUES - Non University Examination Subject I E – Elective

SEMESTER-VIII

S.No	Name of the Subject	Category	Credits	Contact Hours Per week L-T-P	Total Marks	Pass marks	End Term Exam	Mid Term Exam	CIA**	Attendance
1	Biostatistics and Research Methodology – Theory	Core	4	3-1-0	100	50	75	15	6	4
2	Social and Preventive Pharmacy– Theory	Core	4	3-1-0	100	50	75	15	6	4
3	Pharmaceutical Marketing– Theory	E	4+4=8	3-1-0 3-1-0	100 +100 = 200	50 + 50 = 100	75 + 75 = 150	15 + 15 = 30	6 + 6 = 12	4 + 4 = 8
4	Pharmaceutical Regulatory Science – Theory	E								
5	Pharmacovigilance – Theory	E								
6	Quality Control and Standardization of Herbals – Theory	E								
7	Computer Aided Drug Design –Theory	E								
8	Cell and Molecular Biology – Theory	E								
9	Cosmetic Science – Theory	E								
10	Experimental Pharmacology – Theory	E								
11	Advanced Instrumentation Techniques – Theory	E								
12	Dietary Supplements and Nutraceuticals –Theory	E								
13	Project Work	Core	6	0-0-12	150	75	150	-	-	-
	Total		22	28	550	300	450	60	24	16

C – Core Paper I NUES - Non University Examination Subject I E – Elective