

RAYAT-BAHRA UNIVERSITY						
University School of Pharmaceutical Sciences (USPS)						
B. Pharmacy						
Course structure for B.Pharm-4 Years						
Sem-I (Year-I)						
S. No	CODE	COURSE TITLE	L	T	P	TOTAL C H
1.	BP101T	Human Anatomy and Physiology I– Theory	3	1	0	4 3
2.	BP102T	Pharmaceutical Analysis I – Theory	3	1	0	4 3
3.	BP103T	Pharmaceutics I – Theory	3	1	0	4 3
4.	BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	0	4 3
5.	BP105T	Communication Skills-Theory	2	0	0	2 2
6.	BP106RBT/ BP106RMT	Remedial Biology/ Remedial Mathematics-Theory	2	0	0	2 2
7.	BP107P	Human Anatomy and Physiology I – 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
Total			16	4	20*/18* *	Credits=30* Credits= 29** Hours=36*/34**
* Appearing for Remedial Biology, ** Appearing for Remedial Mathematics						
Sem-II (Year-I)						
S. No	CODE	COURSE TITLE	L	T	P	TOTAL C H
1.	BP201T	Human Anatomy and Physiology II – Theory	3	1	0	4 3
2.	BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	0	4 3
3.	BP203T	Biochemistry – Theory	3	1	0	4 3
4.	BP204T	Pathophysiology – Theory	3	1	0	4 3
5.	BP205T	Computer Applications in Pharmacy – Theory	3	0	0	3 3
7.	BP206T	Environmental Sciences – Theory	3	0	0	3 3
8.	BP207P	Human Anatomy and Physiology II – Practical	0	0	4	2 4
9.	BP208P	Pharmaceutical Organic Chemistry I– Practical	0	0	4	2 4
10.	BP209P	Biochemistry – Practical	0	0	4	2 4
	BP210P	Computer Applications in Pharmacy – Practical	0	0	2	1 2
Total			18	4	14	Credits=29, Hours=32

Sem-III (Year-II)						
S. No	CODE	COURSE TITLE	L	T	P	TOTAL C H
1.	BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	0	4 3
2.	BP302T	Physical Pharmaceutics I – Theory	3	1	0	4 3
3.	BP303T	Pharmaceutical Microbiology – Theory	3	1	0	4 3
4.	BP304T	Pharmaceutical Engineering – Theory	3	1	0	4 3
5.	BP305P	Pharmaceutical Organic Chemistry II – Practical	0	0	4	2 4
6.	BP306P	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
9.	OPUNNN	UE (Open)-I	2	0	0	2 2
Total			14	4	16	Credits=26, Hours=30
Sem-IV (Year-II)						
S. No	CODE	COURSE TITLE	L	T	P	TOTAL C H
1.	BP401T	Pharmaceutical Organic Chemistry III– Theory	3	1	0	4 3
2.	BP402T	Medicinal Chemistry I – Theory	3	1	0	4 3
3.	BP403T	Physical Pharmaceutics II – Theory	3	1	0	4 3
4.	BP404T	Pharmacology I – Theory	3	1	0	4 3
5.	BP405T	Pharmacognosy and Phytochemistry I– Theory	3	1	0	4 3
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
Total			15	5	16	Credits=28, Hours=31
Sem-V (Year-III)						
S. No	CODE	COURSE TITLE	L	T	P	TOTAL C H
1.	BP501T	Medicinal Chemistry II – Theory	3	1	0	4 3
2.	BP502T	Industrial Pharmacy I– Theory	3	1	0	4 3
3.	BP503T	Pharmacology II – Theory	3	1	0	4 3
4.	BP504T	Pharmacognosy and Phytochemistry II– Theory	3	1	0	4 3
5.	BP505T	Pharmaceutical Jurisprudence – Theory	3	1	0	4 3
6.	BP506P	Industrial Pharmacy I – Practical	0	0	4	2 4
7.	BP507P	Pharmacology II – Practical	0	0	4	2 4
8.	BP508P	Pharmacognosy and Phytochemistry II – Practical	0	0	4	2 4
9.	HVU 100	Human Values & Professional Ethics	2	0	0	2 2
10.	OPUNNN	UE(Open)-II	2	0	0	2 2

Total			19	5	12	Credits=30, Hours=31
Sem-VI (Year-III)						
\ S. No	CODE	COURSE TITLE	L	T	P	TOTAL C H
1.	BP601T	Medicinal Chemistry III – Theory	3	1	0	4 3
2.	BP602T	Pharmacology III – Theory	3	1	0	4 3
3.	BP603T	Herbal Drug Technology – Theory	3	1	0	4 3
4.	BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	0	4 3
5.	BP605T	Pharmaceutical Biotechnology – Theory	3	1	0	4 3
6.	BP606T	Quality Assurance –Theory	3	1	0	4 3
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
Total			18	6	12	Credits=30, Hours=30
Sem-VII (Year-IV)						
S. No	CODE	COURSE TITLE	L	T	P	TOTAL C H
1.	BP701T	Instrumental Methods of Analysis – Theory	3	1	0	4 3
2.	BP702T	Industrial Pharmacy II – Theory	3	1	0	4 3
3.	BP703T	Pharmacy Practice – Theory	3	1	0	4 3
4.	BP704T	Novel Drug Delivery System – Theory	3	1	0	4 3
5.	BP705P	Instrumental Methods of Analysis – Practical	0	0	4	2 4
6.	BP706P	Practice School	0	0	12	6 12
7.	HMU112	Counselling & Negotiation Skills for Managers	2	0	0	2 2
8.	PTG401	Industrial/Hospital/Community Pharmacy Training	0	0	0	4 0
Total			14	4	16	Credits=30, Hours=30
Sem-VIII (Year-IV)						
S. No	CODE	COURSE TITLE	L	T	P	TOTAL C H
1.	BP801T	Biostatistics and Research Methodology	3	1	0	4 3
2.	BP802T	Social and Preventive Pharmacy	3	1	0	4 3
3.		Elective*I	3	1	0	4 3
4.		Elective*II	3	1	0	4 3
5.	BP813PW	Project Work	0	0	12	6 12
6.	CPU 201	Technical Skills & Image Management	2	0	0	2 2
7.	HMU111	Leadership & Entrepreneurship	2	0	0	2 2
Total			16	4	12	Credits=26, Hours=28
Note*Students have to select any two elective subjects from the Pool of Elective Subjects						

S.No	CODE	POOL OF ELECTIVE – I & II
1.	PB803ET	Pharma Marketing Management
2.	PB804ET	Pharmaceutical Regulatory Science
3.	PB805ET	Pharmacovigilance
4.	PB806ET	Quality Control and Standardization of Herbals
5.	PB807ET	Computer Aided Drug Design
6.	PB808ET	Cell and Molecular Biology
7.	PB809ET	Cosmetic Science
8.	PB810ET	Experimental Pharmacology
9.	PB811ET	Advanced Instrumentation Techniques
10.	PB812ET	Dietary Supplements and Nutraceuticals