

MAHAKAUSHAL UNIVERSITY, JABALPUR, (MADHYA PRADESH)



Scheme

For

BACHELOR OF PHARMACY(B.Pharma)

Course Code: BP

Department of Pharmacy

Faculty of Pharmacy

Duration of Course : 4 Years

Examination Mode : Semester

Examination System : Grading

Mahakaushal University, Jabalpur, Madhya Pradesh
2023-2024



Mahakaushal University, Jabalpur, M.P.

Scheme of Examination

Faculty of Pharmacy
Scheme of Course : Bachelor of Pharmacy (B.Pharma.)

Course Code : BP

Department of Pharmacy
Semester/Year - 1st Sem.

Course code	Name of the course	Internal Assessment			End Semester Exams		Total Marks	
		Continuous Mode	Sessional Exams		Total	Marks		Duration
			Marks	Duration				
BP101T	Human Anatomy and Physiology I- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP102T	Pharmaceutical Analysis I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP103T	Pharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP104T	Pharmaceutical Inorganic Chemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP105T	Communication skills – Theory *	5	10	1 Hr	15	35	1.5 Hrs	50
BP106RBT BP106RMT	Remedial Biology/ Mathematics – Theory*	5	10	1 Hr	15	35	1.5 Hrs	50
BP107P	Human Anatomy and Physiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP108P	Pharmaceutical Analysis I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP109P	Pharmaceutics I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP110P	Pharmaceutical Inorganic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP111P	Communication skills – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
BP112RB-P	Remedial Biology – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		70/75[§]/80[#]	115/125[§]/130[#]	23/24[§]/26[#] Hrs	185/200[§]/210[#]	490/525[§]/ 540[#]	31.5/33[§]/ 35[#] Hrs	675/725[§]/ 750[#]

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

[§]Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM)course.

* Non University Examination (NUE)



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Scheme of Examination

Faculty of Pharmacy
Scheme of Course : Bachelor of Pharmacy (B.Pharma.)

Course Code : BP

Department of Pharmacy
Semester/Year – 2nd Sem.

Course Code	Name of The Course	Internal Assessment			End Semester Exams		Total Marks	
		Continuous Mode	Sessional Exams		Total	Marks		Duration
			Marks	Duration				
BP201-T	Human Anatomy and Physiology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP202-T	Pharmaceutical Organic Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP203-T	Biochemistry -Theory	10	15	1 Hr	25	75	3 Hrs	100
BP204-T	Pathophysiology –Theory	10	15	1 Hr	25	75	3 Hrs	100
BP205-T	Computer Applications in Pharmacy – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP206-T	Environmental sciences – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP207-P	Human Anatomy and Physiology II –Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP208-P	Pharmaceutical Organic Chemistry I– Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP209-P	Biochemistry -Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP210-P	Computer Applications in Pharmacy – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		80	125	20 Hrs	205	520	30 Hrs	725

* The subject experts at college level shall conduct examinations



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Scheme of Examination

Faculty of Pharmacy
Scheme of Course : Bachelor of Pharmacy (B.Pharma.)

Course Code : BP

Department of Pharmacy
Semester/Year – 3rd Sem.

Course Code	Name of The Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP301-T	Pharmaceutical Organic Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP302-T	Physical Pharmaceutics I- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP303-T	Pharmaceutical Microbiology –Theory	10	15	1 Hr	25	75	3 Hrs	100
BP304-T	Pharmaceutical Engineering-Theory	10	15	1 Hr	25	75	3 Hrs	100
BP305-P	Pharmaceutical Organic Chemistry II-Practical	5	10	4 Hr	15	35	4 Hrs	50
BP306-P	Physical Pharmaceutics IPractical	5	10	4 Hr	15	35	4 Hrs	50
BP307-P	Pharmaceutical Microbiology-Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP308-P	Pharmaceutical Engineering-Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		60	100	20	160	440	28 Hrs	600



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Scheme of Examination

Faculty of Pharmacy

Scheme of Course : Bachelor of Pharmacy (B.Pharma.)

Course Code : BP

Department of Pharmacy

Semester/Year – 4th Sem.

S.No.	Subject Code	Subject Name	Maximum Marks Allotted						Hrs/Week			Total Credits	Total Marks
			Theory			Practical			L	T	P		
			End Sem	Sessional Exam	Continuous Mode	End Sem	Sessional Exam	Continuous Mode					
1	BP401-T	Pharmaceutical Organic Chemistry-III Theory	75	15	10	-	-	-	03	01	00	4	700
2	BP402-T	Medicinal Chemistry-I Theory	75	15	10	-	-	-	03	01	00	4	
3	BP403-T	Physical Pharmaceutics-II Theory	75	15	10	-	-	-	03	01	00	4	
4	BP404-T	Pharmacology-I Theory	75	15	10	-	-	-	03	01	00	4	
5	BP405-T	Pharmacognosy-I Theory	75	15	10	-	-	-	03	01	00	4	
6	BP406-P	Medicinal Chemistry-I Practical	-	-	-	35	10	05	00	00	04	2	
7	BP407-P	Physical Pharmaceutics-II Practical	-	-	-	35	10	05	00	00	04	2	
8	BP408-P	Pharmacology-I Practical	-	-	-	35	10	05	00	00	04	2	
9	BP409-P	Pharmacognosy-I Practical	-	-	-	35	10	05	00	00	04	2	
			375	75	50	140	40	20	15	05	16	28	



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Scheme of Examination

Faculty of Pharmacy

Pharmacy Scheme of Course : Bachelor of Pharmacy (B.Pharma.)

Course Code : BP

Department of
Semester/Year – 5th Sem

Course Code	Name of The Course	Internal Assessment				End Semester Exams		Total Marks
		Continu- ous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP501-T	Medicinal Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP502-T	Industrial Pharmacy I –Theory	10	15	1 Hr	25	75	3 Hrs	100
BP503-T	Pharmacology II-Theory	10	15	1 Hr	25	75	3 Hrs	100
BP504-T	Pharmacognosy II-Theory	10	15	1 Hr	25	75	3 Hrs	100
BP505-T	Pharmaceutical Jurisprudence – Theory	10	15	1Hr	25	75	3Hrs	100
BP506-P	Industrial Pharmacy I-Practical	5	10	4 Hr	15	35	4 Hrs	50
BP507-P	Pharmacology II- Practical	5	10	4 Hr	15	35	4 Hrs	50
BP508-P	Pharmacognosy II-Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		65	105	17 Hrs	170	480	27Hrs	650



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Scheme of Examination

Faculty of Pharmacy

Scheme of Course : Bachelor of Pharmacy (B.Pharma.)

Course Code : BP

Department of Pharmacy

Semester/Year – 6th Sem.

Course Code	Name of The Course	Internal Assessment			End Semester Exams		Total Marks	
		Continu- ous Mode	Sessional Exams		Total	Marks		Duration
			Marks	Duration				
BP601T	Medicinal Chemistry III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP602T	Pharmacology III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP603T	Herbal Drug Technology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP605T	Pharmaceutical Biotechnology– Theory	10	15	1Hr	25	75	3Hrs	100
BP606T	Quality Assurance– Theory	10	15	1Hr	25	75	3Hrs	100
BP607P	Medicinal chemistry III – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP608P	Pharmacology III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP609P	Herbal Drug Technology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		75	120	18 Hrs	195	555	30Hrs	750



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Scheme of Examination

Faculty of Pharmacy
Scheme of Course : Bachelor of Pharmacy (B.Pharma.)

Course Code : BP

Department of Pharmacy
Semester/Year – 7th Sem.

S.No.	SubjectCode	Subject Name	Maximum Marks Allotted						Hrs/Week			Total Credits	Total Marks
			Theory			Practical			L	T	P		
			End Sem	Sessional Exam	Continuous Mode	End Sem	Sessional Exam	Continuous Mode					
1	BP701 TN22	Instrumental Methods of Analysis Theory	75	15	10	-	-	-	03	01	00	4	100
25	BP702T	Industrial Pharmacy-II Theory		15	10	-	-	-	03	01	00	4	100
3	BP703T	Pharmacy Practice Theory	75	15	10	-	-	-	03	01	00	4	100
4	BP704T	Novel Drug Delivery System Theory	75	15	10	-	-	-	03	01	00	4	100
5	BP705PN22	Instrumental Methods of Analysis Practical	-	-	-	35	10	05	-	-	04	2	50
6	BP706PN22	Practice School*	-	-	-	125	-	25	-	-	12	6	150
			300	60	40	160	10	30	12	04	16	24	600

* Non University Examination (NUE)



Mahakaushal University, Jabalpur, M.P. Scheme of Examination

Faculty of Pharmacy
Scheme of Course : Bachelor of Pharmacy (B.Pharma.)

Course Code : BP

Department of Pharmacy
Semester/Year –8th Sem.

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hrs/Week			Total Credits	Total Marks
			Theory			Practical			L	T	P		
			End Sem	Sessional Exam	Continuous Mode	End Sem	Sessional Exam	Continuous Mode					
1	BP801 T	Biostatistics and Research Methodology Theory	75	15	10	-	-	-	03	01	00	4	100
25	BP802 T	Social and Preventive Pharmacy Theory		15	10	-	-	-	03	01	00	4	100
3	BP803 T	Elective-I	75	15	10	-	-	-	03	01	00	4	100
4	BP804 T	Elective-II	75	15	10	-	-	-	03	01	00	4	100
5	BP805 PA23	Project Work*	-	-	-	150	Report		-	-	12	6	150
			300	60	40	150	-	-	12	04	12	22	550

* Non University Examination (NUE)

Note: While selecting the elective papers, the title (Name) of the papers of Elective-I & Elective-II should be compulsorily different.

Details of Elective Papers:

Elective- I

BP803T (A) – Pharmaceutical Marketing Management
 BP803T (B)– Quality Control and Standardization of Herbals
 BP803T (C)- Cosmetic Science
 BP803T (D)- Experimental Pharmacology (Pharmacological Screening Methods)
 BP803T (E)- Advanced Instrumentation Techniques
 BP803T (F)-Pharmaceutical Regulatory Science
 BP803T (G)-Pharmacovigilance
 BP803T (H)-Computer aided Drug Design
 BP803T (I)-Cell and Molecular Biology
 BP803T (J)-Dietary Supplements and Nutraceuticals
 BP803T (K)- Pharmaceutical Product Development

Elective- II

BP804T (A) – Pharmaceutical Marketing Management
 BP804T (B)– Quality Control and Standardization of Herbals
 BP804T (C)- Cosmetic Science
 BP804T (D)- Experimental Pharmacology (Pharmacological Screening Methods)
 BP804T (E)- Advanced Instrumentation Techniques
 BP804T (F)-Pharmaceutical Regulatory Science
 BP804T (G)-Pharmacovigilance
 BP804T (H)-Computer aided Drug Design
 BP804T (I)-Cell and Molecular Biology
 BP804T (J)-Dietary Supplements and Nutraceuticals
 BP804T (K)- Pharmaceutical Product Development