



# पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

दूरभाष : 0771-2262802 (अकादमिक), 0771-2262540 (कुलसचिव), E-mail ID- academicprsu3@gmail.com

क्रमांक : 4288 / अका. / 2024

रायपुर, दिनांक : 10/09/2024

## ॥ अधिसूचना ॥

यू.जी.सी. नई दिल्ली Revised Regulations for the Master of Pharmacy (M. Pharm.) Degree Program Course Regulation 2014 (Based on notification in the Gazette of India No. 360, dated December 11, 2014) के अनुसार विश्वविद्यालय कार्यपरिषद् की बैठक दिनांक 12.06.2024 के अध्यक्ष के अनुमति से अन्य निर्णय क्रमांक 4 एवं छत्तीसगढ़ शासन, उच्च शिक्षा विभाग, मंत्रालय, महानदी भवन, नवा रायपुर अटल नगर, रायपुर से प्राप्त पत्र क्रमांक एफ 3-37/2024/38-2 दिनांक 04.09.2024 के अनुक्रम में **Ordinance No. 159 - "Master of Pharmacy"** माननीय कुलाधिपति महोदय द्वारा अनुमोदित को अंगीकृत किए जाने का निर्णय लिया गया, जो निम्नांकित है -

वि.वि. अधिनियम/ अध्यादेश/ परिनियम क्रमांक	वर्तमान प्रावधान		प्रस्तावित संशोधन																																		
Revised ORDINA NCE No. 159																																					
Clause -7	7.2	Minimum credit requirements- Table-1	7.2	Minimum credit requirements- Table-14																																	
Clause-9	9	Course of study <i>The specializations in M.Pharm program is Pharmaceutics</i>	9	Course of study <i>The specializations in M.Pharm program is given in Table 1.</i>																																	
				<table border="1"> <thead> <tr> <th>S. No.</th> <th>Specialization</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Pharmaceutics</td> <td>MPH</td> </tr> <tr> <td>2.</td> <td>Industrial Pharmacy</td> <td>MIP</td> </tr> <tr> <td>3.</td> <td>Pharmaceutical Chemistry</td> <td>MPC</td> </tr> <tr> <td>4.</td> <td>Pharmaceutical Analysis</td> <td>MPA</td> </tr> <tr> <td>5.</td> <td>Pharmaceutical Quality Assurance</td> <td>MQA</td> </tr> <tr> <td>6.</td> <td>Pharmaceutical Regulatory Affairs</td> <td>MRA</td> </tr> <tr> <td>7.</td> <td>Pharmaceutical Biotechnology</td> <td>MPB</td> </tr> <tr> <td>8.</td> <td>Pharmacy Practice</td> <td>MPP</td> </tr> <tr> <td>9.</td> <td>Pharmacology</td> <td>MPL</td> </tr> <tr> <td>10.</td> <td>Pharmacognosy</td> <td>MPG</td> </tr> </tbody> </table> <p>The course of study for M.Pharm specializations shall include Semester wise Theory &amp; Practical as given in Table - 2 to 11. The number of hours to be devoted to each theory and practical course in any semester shall not be less than that shown in Table - 2 to 11.</p> <p>Table - 2: Course of study for M. Pharm. (Pharmaceutics)</p>	S. No.	Specialization	Code	1.	Pharmaceutics	MPH	2.	Industrial Pharmacy	MIP	3.	Pharmaceutical Chemistry	MPC	4.	Pharmaceutical Analysis	MPA	5.	Pharmaceutical Quality Assurance	MQA	6.	Pharmaceutical Regulatory Affairs	MRA	7.	Pharmaceutical Biotechnology	MPB	8.	Pharmacy Practice	MPP	9.	Pharmacology	MPL	10.	Pharmacognosy	MPG
S. No.	Specialization	Code																																			
1.	Pharmaceutics	MPH																																			
2.	Industrial Pharmacy	MIP																																			
3.	Pharmaceutical Chemistry	MPC																																			
4.	Pharmaceutical Analysis	MPA																																			
5.	Pharmaceutical Quality Assurance	MQA																																			
6.	Pharmaceutical Regulatory Affairs	MRA																																			
7.	Pharmaceutical Biotechnology	MPB																																			
8.	Pharmacy Practice	MPP																																			
9.	Pharmacology	MPL																																			
10.	Pharmacognosy	MPG																																			

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
MPH101 T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPH102 T	Drug Delivery System	4	4	4	100
MPH103 T	Modern Pharmaceutics	4	4	4	100
MPH104 T	Regulatory Affair	4	4	4	100
MPH105 P	Pharmaceutics Practical I	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>
<b>Semester II</b>					
MPH201 T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	4	4	100
MPH202 T	Advanced Biopharmaceutics & Pharmacokinetics	4	4	4	100
MPH203 T	Computer Aided Drug Delivery System	4	4	4	100
MPH204 T	Cosmetic and Cosmeceuticals	4	4	4	100
MPH205 P	Pharmaceutics Practical II	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>

Table - 3: Course of study for M.Pharm. (Industrial Pharmacy)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
MIP101 T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MIP102 T	Pharmaceutical Formulation Development	4	4	4	100
MIP103 T	Novel drug delivery systems	4	4	4	100
MIP104 T	Intellectual Property Rights	4	4	4	100
MIP105 P	Industrial Pharmacy Practical	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>
<b>Semester II</b>					
MIP201 T	Advanced Biopharmaceutics and Pharmacokinetics	4	4	4	100

	es				
MIP20 2T	Scale up and Technolo gy Transfer	4	4	4	100
MIP20 3T	Pharmaceutical Production Technology	4	4	4	100
MIP20 4T	Entrepreneurs hip Managemen t	4	4	4	100
MIP20 5P	Industrial Pharmacy Practical I	12	6	12	150
-	Seminar Assign ment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>

Table – 4: Course of study for M. Pharm. (Pharmaceutical Chemistry)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
MPC10 1T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPC101 2T	Advanced Chemistry -I	4	4	4	100
MPC10 3T	Advanced Medicinal chemistry	4	4	4	100
MPC10 4T	Chemistry of Products	4	4	4	100
MPC10 5P	Pharmaceutical Chemistry Practical I	12	6	12	150
-	Seminar Assignme nt	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>
<b>Semester II</b>					
MPC20 1T	Advanced Analysis	4	4	4	100
MPC20 2T	Advanced Chemistry -II	4	4	4	100
MPC20 3T	Computer Aided Drug Design	4	4	4	100
MPC20 4T	Pharmaceutical Process Chemistry	4	4	4	100
MPC20 5P	Pharmaceutical Chemistry Practical II	12	6	12	150
-	Seminar Assignme nt	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>

Table - 5: Course of study for M. Pharm. (Pharmaceutical Analysis)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					

MPA 101T	Modern Analytical Techniques	4	4	4	100
MPA 102T	Advanced Analysis	4	4	4	100
MPA 103T	Pharmaceutical Validation	4	4	4	100
MPA 104T	Food Analysis	4	4	4	100
MPA 105P	Pharmaceutical Practical I	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		35	26	35	650
<b>Semester II</b>					
MPA 201T	Advanced Analysis	4	4	4	100
MPA 202T	Modern Analytical Techniques	4	4	4	100
MPA 203T	Quality Control and Quality Assurance	4	4	4	100
MPA 204T	Herbal and Cosmetic Analysis	4	4	4	100
MPA 205P	Pharmaceutical Practical II	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		35	26	35	650

Table - 6: Course of study for M. Pharm. (Pharmaceutical Quality Assurance)

Course Code	Course	Credit Hours	Credit Points	Hrs./week	Marks
<b>Semester I</b>					
MQA 101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MQA 102T	Quality System	4	4	4	100
MQA 103T	Quality Control and Quality Assurance	4	4	4	100
MQA 104T	Product Development and Technology Transfer	4	4	4	100
MQA 105P	Pharmaceutical Assurance Practical I	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		35	26	35	650
<b>Semester II</b>					
MQA 201T	Hazards Management	4	4	4	100
MQA 202T	Pharmaceutical Validation	4	4	4	100
MQA 203T	Audits Compliance	4	4	4	100

MQA 204T	Pharmaceutic al Manufacturing Technology	4	4	4	100
MQA 205P	Pharmaceutic al Assurance Practical II	12	6	12	150
-	Seminar Assig nment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>

Table - 7: Course of study for M. Pharm. (Regulatory Affairs)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
MRA 101T	Good Regulatory Practices	4	4	4	100
MRA 102T	Documentation Regulatory Writing	4	4	4	100
MRA 103T	Clinical Regulations	4	4	4	100
MRA 104T	Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, and Food & Nutraceuticals In India and Intellectual Property Rights	4	4	4	100
MRA 105P	Regulatory Affairs Practical I	12	6	12	150
	Seminar Assig nment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>
<b>Semester II</b>					
MRA 201T	Regulatory Aspects of Drugs & Cosmetics	4	4	4	100
MRA 202T	Regulatory Aspects of Herbal & Biologicals	4	4	4	100
MRA 203T	Regulatory Medical Devices	4	4	4	100
MRA 204T	Regulatory Aspects of Food & Nutraceuticals	4	4	4	100
MRA 205P	Regulatory Affairs Practical II	12	6	12	150



Seminar Assignment	7	4	7	100
<b>Total</b>	<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>

Table - 8: Course of study for M. Pharm. (Pharmaceutical Biotechnology)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
MPB101T	Modern	4	4	4	100
MPB102T	Microbial And Cellular Biology	4	4	4	100
MPB103T	Bioprocess	4	4	4	100
MPB104T	Advanced	4	4	4	100
MPB105P	Pharmaceutical	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>

<b>Semester II</b>					
MPB201T	Proteins	4	4	4	100
MPB202T	Immunotechnology	4	4	4	100
MPB203T	Bioinformatics and Computer Technology	4	4	4	100
MPB204T	Biological Evaluation of Drug Therapy	4	4	4	100
MPB205P	Pharmaceutical	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>

Table - 9: Course of study for M. Pharm. (Pharmacy Practice)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
MPP 101T	Clinical Pharmacy Practice	4	4	4	100
MPP 102T	Pharmacotherapeutics-I	4	4	4	100
MPP 103T	Hospital & Community Pharmacy	4	4	4	100
MPP 104T	Clinical Research	4	4	4	100
MPP 105P	Pharmacy Practice Practical I	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>



Semester II					
MPP 201T	Principles of Quality Use of Medicines	4	4	4	100
MPP 102T	Pharmacotherapeutics II	4	4	4	100
MPP 203T	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	4	4	4	100
MPP 204T	Pharmacoepidemiology Pharmacoeconomics	4	4	4	100
MPP 205P	Pharmacy Practice Practical II	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>

Table - 10: Course of study for (Pharmacology)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
<b>Semester I</b>					
MPL 101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPL 102T	Advanced Pharmacology I	4	4	4	100
MPL 103T	Pharmacological and Toxicological Screening Methods-I	4	4	4	100
MPL 104T	Cellular and Molecular Pharmacology	4	4	4	100
MPL 105P	Pharmacology Practical I	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		<b>35</b>	<b>26</b>	<b>35</b>	<b>650</b>
<b>Semester II</b>					
MPL 201T	Advanced Pharmacology II	4	4	4	100
MPL 202T	Pharmacological and Toxicological Screening Methods-II	4	4	4	100
MPL 203T	Principles of Drug Discovery	4	4	4	100
MPL 204T	Experimental Pharmacology practical-II	4	4	4	100
MPL 205P	Pharmacology Practical II	12	6	12	150
-	Seminar Assignment	7	4	7	100

Total	35	26	35	650
-------	----	----	----	-----

Table -11: Course of study for M. Pharm. (Pharmacognosy)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPG1 01T	Modern Analytical Techniques	4	4	4	100
MPG1 02T	Advanced Pharmacognosy-I	4	4	4	100
MPG1 03T	Phytochemistry	4	4	4	100
MPG1 04T	Industrial Pharmacognostical Technology	4	4	4	100
MPG1 05P	Pharmacognosy Practical I	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		35	26	35	650
Semester II					
MPG2 01T	Medicinal biotechnology	4	4	4	100
MPG1 02T	Advanced Pharmacognosy-II	4	4	4	100
MPG2 03T	Indian system of medicine	4	4	4	100
MPG2 04T	Herbal cosmetics	4	4	4	100
MPG2 05P	Pharmacognosy Practical II	12	6	12	150
-	Seminar Assignment	7	4	7	100
<b>Total</b>		35	26	35	650

Table - 12: Course of study for M. Pharm. III Semester

(Common for All Specializations)

Course Code	Course	Credit Hours	Credit Points
MRM 301T	Research Methodology and Biostatistics*	4	4
-	Journal club	1	1
-	Discussion / Presentation (Proposal Presentation)	2	2
-	Research Work	28	14
<b>Total</b>		35	21

\* Non University Exam

Clause-9	9	Table-2	Table-12
Clause-9	9	Table-3	Table-13
Clause-9	9	Table-4	Table-14
Clause-9	9	Table-5	Table-15
Clause-11	11	Table-6	Table-16
Clause-11	11	Table-6	Table-1616





Table-1717

Tables -- 1717 : Schemes for internal assessments and end semester  
(Industrial Pharmacy-MIP)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
<b>SEMESTER I</b>								
MIP101 T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MIP102 T	Pharmaceutical Formulation Development	10	15	1 Hr	25	75	3 Hrs	100
MIP103 T	Novel drug delivery systems	10	15	1 Hr	25	75	3 Hrs	100
MIP104 T	Intellectual Property Rights	10	15	1 Hr	25	75	3 Hrs	100
MIP105 P	Industrial Pharmacy Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	.	.	.	.	.	.	100
<b>Total</b>								<b>650</b>
<b>SEMESTER II</b>								
MIP201 T	Advanced Biopharmaceutics Pharmacokinetics	10	15	1 Hr	25	75	3 Hrs	100
MIP202 T	Scale up and Technology Transfer	10	15	1 Hr	25	75	3 Hrs	100
MIP203 T	Pharmaceutical Production Technology	10	15	1 Hr	25	75	3 Hrs	100
MIP204 T	Entrepreneurship Management	10	15	1 Hr	25	75	3 Hrs	100
MIP205 P	Industrial Pharmacy Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	.	.	.	.	.	.	100
<b>Total</b>								<b>650</b>

Table-18 (Pharmaceutical Chemistry-MPC)

Course Code	Course	Internal Assessment			End Semester Exams			Total Marks
		Continuous Mod	Marks	Sessional Exams Duration	Total	Marks	Duration	
SEMESTER I								
MPC101T	Modern Pharmaceutical Analytical Techniques	10	15	1Hr	25	75	3 Hrs	100
MPC102T	Advanced Organic Chemistry -I	10	15	1Hr	25	75	3 Hrs	100
MPC103T	Advanced Medicinal chemistry	10	15	1Hr	25	75	3 Hrs	100
MPC104T	Chemistry Products	10	15	1Hr	25	75	3 Hrs	100
MPC105P	Pharmaceutical Chemistry Practical I	20	30	6Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	.	.	.	.	.	.	100
Total								650
SEMESTER II								
MPC201T	Advanced Spectral Analysis	10	15	1Hr	25	75	3 Hrs	100
MPC202T	Advanced Organic Chemistry -II	10	15	1Hr	25	75	3 Hrs	100
MPC203T	Computer Aided Drug Design	10	15	1Hr	25	75	3 Hrs	100
MPC204T	Pharmaceutical Processes Chemistry	10	15	1Hr	25	75	3 Hrs	100
MPC205P	Pharmaceutical Chemistry Practical II	20	30	6Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	.	.	.	.	.	.	100
Total								650

Table-19

Tables - 19: Schemes for internal assessments and end semester examinations(Pharmaceutical Analysis-MPA)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuou s Mode	Sessi onal Exa ms		To tal	Mar ks	Dur a tion	
			Ma rks	Dur ati on				
SEMESTER I								
MPA 101T	Modern Pharmaceutical Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA 102T	Advanced Pharmaceutical Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA 103T	Pharmaceutical Validation	10	15	1 Hr	25	75	3 Hrs	100
MPA 104T	Food Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA 105P	Pharmaceutical Analysis-I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	.	.	.	.	.	.	100
<b>Total</b>								<b>650</b>
SEMESTER II								
MP A20 1T	Advanced Instrumental Analysis	10	15	1 Hr	25	75	3 Hrs	100
MP A20 2T	Modern Bio-Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MP A20 3T	Quality Control and Quality Assurance	10	15	1 Hr	25	75	3 Hrs	100
MPA 204T	Herbal and Cosmetic analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA 205P	Pharmaceutical Analysis-II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	.	.	.	.	.	.	100
<b>Total</b>								<b>650</b>

Table-20

Course Code	Course	Internal Assessment			End Semester Exams		Total Marks
		Co nti	Ses sio	T ot	M	Dur	

Course Code	Course Name	Credits	Internal Exams		Theory	Practical	Total	Marks	Duration
			Number	Duration					
<b>SEMESTER I</b>									
MQA101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100	
MQA102T	Quality Management System	10	15	1 Hr	25	75	3 Hrs	100	
MQA103T	Quality Control and Quality Assurance	10	15	1 Hr	25	75	3 Hrs	100	
MQA104T	Product Development Technology Transfer	10	15	1 Hr	25	75	3 Hrs	100	
MQA105P	Pharmaceutical Quality Assurance Practical I	20	30	6 Hrs	50	100	6 Hrs	150	
-	Seminar /Assignment	.	.	.	.	.	.	100	
<b>Total</b>								<b>650</b>	
<b>SEMESTER II</b>									
MQA201T	Hazards and Safety Management	10	15	1 Hr	25	75	3 Hrs	100	
MQA202T	Pharmaceutical Validation	10	15	1 Hr	25	75	3 Hrs	100	
MQA203T	Audits Regulatory Compliance	10	15	1 Hr	25	75	3 Hrs	100	
MQA204T	Pharmaceutical Manufacturing Technology	10	15	1 Hr	25	75	3 Hrs	100	
MQA205P	Pharmaceutical Quality Assurance Practical II	20	30	6 Hrs	50	100	6 Hrs	150	
-	Seminar /Assignment	.	.	.	.	.	.	100	
<b>Total</b>									

Table-21

Course Code	Course	Internal Assessment			End Semester Exams			Total Marks
		Count	Sessional Exams	Theory	Practical	Duration		

		us M o d e	M a r k s	Du r a t i o n	t a l	r k s	tio n	
<b>SEMESTER I</b>								
MRA 10 1T	Good Pharmaceutical Practices	10	15	1Hr	25	75	3Hrs	1 0 0
MRA 10 2T	Documentation and Regulatory Writing	10	15	1Hr	25	75	3Hrs	1 0 0
MRA 10 3T	Clinical Research Regulations	10	15	1Hr	25	75	3Hrs	1 0 0
MRA 10 4T	Regulations and Legislation Drugs Cosmetics, Medical Devices, Biologicals Herbals.  and Food Nutraceuticals InIndia Property Rights	10	15	1Hr	25	75	3Hrs	1 0 0
MRA1 0 5T	Pharmaceutical Regulatory Affairs Practical I	20	30	6Hrs	50	100	6Hrs	1 5 0
-	Seminar /Assignment	-	-	-	-	-	-	1 0 0
<b>Total</b>								<b>650</b>
<b>SEMESTER II</b>								
MRA2 01T	Regulatory Aspects Drugs Cosmetics	10	15	1Hr	25	75	3Hrs	1 0 0
MRA2 02T	Regulatory Aspects Herbal Biologicals	10	15	1 H r	25	75	3Hrs	100
RA20 3T	Regulatory Aspects Medical Devices	10	15	1 H r	25	75	3Hrs	100
RA20 4T	Regulatory Aspects of Food & Nutraceuticals	10	15	1 H r	25	75	3Hrs	100
RA20 5P	Pharmaceutic al Regulatory Affairs Practical II	20	30	6 H rs	50	100	6Hrs	150

-	Seminar								100
	/Assignment								
<b>Total</b>									<b>650</b>

**Table-22**  
(Pharmaceutical Biotechnology-MPB)

Course Code	Course	Continuous Mode	Internal Assessment			End Semester Exams			Total Marks
			Marks	Duration	Total	Marks	Duration	Total	
<b>SEMESTER I</b>									
MPB101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100	
MPB102T	Microbial Cellular Biology	10	15	1 Hr	25	75	3 Hrs	100	
MPB103T	Bioprocess Engineering and Technology	10	15	1 Hr	25	75	3 Hrs	100	
MPB104T	Advanced Pharmaceutical Biotechnology	10	15	1 Hr	25	75	3 Hrs	100	
MPB105P	Pharmaceutical Biotechnology Practical I	20	30	6 Hrs	50	100	6 Hrs	150	
-	Seminar /Assignment							100	
<b>Total</b>									<b>650</b>
<b>SEMESTER II</b>									
MPB201T	Proteins Formulation	10	15	1 Hr	25	75	3 Hrs	100	
MPB202T	Immunotechnology	10	15	1 Hr	25	75	3 Hrs	100	
MPB203T	Bioinformatics and Computer Technology	10	15	1 Hr	25	75	3 Hrs	100	
MPB204T	Biological Evaluation Drug Therapy	10	15	1 Hr	25	75	3 Hrs	100	

MPP205P	Pharmaceutical Biotechnology Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
<b>Total</b>								<b>650</b>

Table-23

(Pharmacy Practice-MPP)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams Marks	Duration	Total	Marks	Duration	
<b>SEMESTER I</b>								
MPP101T	Clinical Practice	10	15	1 Hr	25	75	3 Hrs	100
MPP102T	Pharmaceuticals-I	10	15	1 Hr	25	75	3 Hrs	100
MPP103T	Hospital Community Pharmacy	10	15	1 Hr	25	75	3 Hrs	100
MPP104T	Clinical Research	10	15	1 Hr	25	75	3 Hrs	100
MPP105P	Pharmacy Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
<b>Total</b>								<b>650</b>
<b>SEMESTER II</b>								
MPP201T	Principles of Quality Use of Medicines	10	15	1 Hr	25	75	3 Hrs	100
MPP102T	Pharmaceuticals II	10	15	1 Hr	25	75	3 Hrs	100
MPP203T	Clinical Pharmacokinetics and	10	15	1 Hr	25	75	3 Hrs	100

	Therapeutic Drug Monitoring							
MPP204T	Pharmacoe pidemiology Pharmacoe conomics	10	15	1 Hr	25	75	3 Hrs	100
MPP205P	Pharmacy Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignm ent							100
<b>Total</b>								<b>650</b>

Table-24

(Pharmacology-MPL)

Course Code	Course	Internal Assessment			End Semester Exams		Total Marks	
		Continuou s Mode	Sessional Exams Mar ks	Duration	Total Marks	Duration		
<b>SEMESTER I</b>								
MPL101T	Modern Pharmaceu tical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPL102T	Advanced Pharmacolo gy-I	10	15	1 Hr	25	75	3 Hrs	100
MPL103T	Pharmacol ogical and Toxicologi cal Screening Methods-I	10	15	1 Hr	25	75	3 Hrs	100
MPL104T	Cellular Pharmacolo gy	10	15	1 Hr	25	75	3 Hrs	100
MPL105P	Experimenta l Pharmacolo gy - I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignme nt							100
<b>Total</b>								<b>650</b>
<b>SEMESTER II</b>								
MPL201T	Advanced Pharmacolo gy II	10	15	1 Hr	25	75	3 Hrs	100





MPL1 02T	Pharmacol ogical and Toxicologic alScreening Methods-II	10	15	1 H r	25	75	3 H rs	100
MPL2 03T	Principles Drug Discovery	10	15	1 H r	25	75	3 H rs	100
MPL2 04T	Clinical research and pharmacovi gilanc e	10	15	1 H r	25	75	3 H rs	100
MPL2 05P	Experiment al Pharmacolo gy - II	20	30	6 H r s	50	100	6 H rs	150
-	Seminar /Assignme nt	-	-	-	-	-	-	100
Total								650

Table-25

(Pharmacognosy-MPG)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Conti uous Mode	Sessio nal Exams Mar ks	Durati on Durati on	Total	Mar ks	Durati on	
SEMESTER I								
MPG10 1T	Modern Pharmaceu tical Analytical Techniques	10	15	1 Hr	25	7 5	3 Hrs	100
MPG10 2T	Advanced Pharmacogn osy-1	10	15	1 Hr	25	7 5	3 Hrs	100
MPG10 3T	Phytochemis try	10	15	1 Hr	25	7 5	3 Hrs	100
MPG10 4T	Industrial Pharmacogn os tical Technology	10	15	1 Hr	25	7 5	3 Hrs	100
MPG10 5P	Pharmacogn osy Practical I	20	30	6 Hrs	50	10 0	6 Hrs	150
-	Seminar/ Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPG2 01T	Medicinal Plant	10	1 5	1 Hr	25	7 5	3 Hrs	100

					biotechnology								
					MPG1 02T	Advanced Pharmacognosy-II	10	1	1	25	7	3	100
								5	Hr		5	Hrs	
					MPG2 03T	Indian system of medicine	10	1	1	25	7	3	100
								5	Hr		5	Hrs	
					MPG2 04T	Herbal cosmetics	10	1	1	25	7	3	100
								5	Hr		5	Hrs	
					MPG2 05P	Pharmacognosy Practical II	20	3	6	50	10	6	150
								0	Hr		0	Hrs	
						Seminar /Assignment							100
						Total							650
Clause-11	11.1	Table-7				Table-26							
Clause-11	11.2	Table-8				Table-27							
Clause-11	11.2	Table-9				Table-28							
Clause-15	15	Table-10				Table-29							
Clause-17	17.1	Grading of performances 17.1. Letter grades and grade points allocations: Table-11	17.1	Grading of performances 17.1. Letter grades and grade points allocations: Table-30									
		Table-11		Table-30									

आदेशानुसार,

*Seated*  
10/9/24  
कुलसचिव

पृ. क्रमांक : 4289 / अका. / 2024  
प्रतिलिपि :-

रायपुर, दिनांक : 10/09/2024

- माननीय राज्यपाल एवं कुलाधिपति महोदय के अवर सचिव, छत्तीसगढ़ राजभवन, रायपुर
- सचिव, छत्तीसगढ़ शासन, उच्च शिक्षा विभाग, मंत्रालय, महानदी भवन, अटल नगर, नवा रायपुर
- सचिव, छत्तीसगढ़ शासन, वित्त विभाग, मंत्रालय, महानदी भवन, अटल नगर, नवा रायपुर
- आयुक्ता, उच्च शिक्षा, ब्लॉक-सी-3, द्वितीय एवं तृतीय तल, इन्द्रावती भवन, अटल नगर, नवा रायपुर
- अध्यक्ष, समस्त अध्ययनशाला/प्राचार्य, संबद्ध समस्त महाविद्यालय,
- समस्त विभागीय अधिकारी,
- कुलपति के सचिव/कुलसचिव के निजी सहायक,  
पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

*4*  
उप-कुलसचिव (अका.)  
10/9