

**M.PHARM. COURSE STRUCTURE
SPECIALIZATION: PHARMACEUTICS**

Sem. No	Paper	Scheme of Teaching		Scheme of Examination			Practical				Total (Including 20 marks of Internal assessment)	
		Theory	Practical	Hrs.	Theory Marks		Hrs.	Marks				
I	M Advanced Analytical Techniques	03	06	UE 03	IE 01	UE 80	IE 20	UE 06	IE 06	UE 80	IE 20	200
	M-2 Research Methodology	03	-	03	01	80	20	-	-	-	-	100
	M-I-1 Advanced Pharmaceutics	03	06	03	01	80	20	06	06	80	20	200
	M-I-2 Elective-I	03	-	03	01	80	20	-	-	-	-	100
	Seminar	01	-	-	01	O/A/ B		-	-	-	-	-
	Research Work	-	10	-	-	-		-	-	-	-	-
											600	
II	M-I-3 Formulations & Development	03	06	03	01	80	20	06	06	80	20	200
	M-3 Drug Regulatory Affairs	03	-	03	01	80	20	-	-	-	-	100
	M-I-4 Novel Drug Delivery Systems	03	-	03	01	80	20	-	-	-	-	100
	M-I-5 Elective-II	03	-	03	01	80	20	-	-	-	-	100
	Seminar	01	-	-	01	O/A/B		-	-	-	-	-
	Research Work	-	-	-	-	-		-	-	-	-	-
											500	
III	Seminar on Dissertation	-	-	-	-	-	-	-	-	-	-	-
	Research Work	-	-	-	01	O/A/B		-	-	-	-	-
		-	42	-	-	-		-	-	-	-	-
IV	Seminar on Dissertation	-	-	01	O/A/B		-	-	-	-	-	-
	Dissertation	-	42	-	-	200		-	-	-	-	200
	Defence (viva/voce)	-	-	-	-	100		-	-	-	-	100
											300	
							Grant Total				1400	

Note: 1. O/A/B indicate the grade secured by the student in the seminar. UE: University Examination, IE: Internal examination
2. Besides Advanced Analytical Techniques (AAT), Drug Regulatory Affairs (DRA), Research Methodology (RM), rest of all compulsory subjects of one branch can also be taken as elective subjects for other branches.

M.PHARM. COURSE STRUCTURE
SPECIALIZATION: PHARMACEUTICAL CHEMISTRY

Sem. No	Paper	Scheme of Teaching Hrs/Weeks		Scheme of Examination Theory			Practical				Total (Including 20 marks of Internal assessment)	
		Theory	Practical	Hrs.	Marks		Hrs.	Marks				
I	M Advanced Analytical Techniques	03	06	03	01	80	20	06	06	80	20	200
	M-2 Research Methodology	03	-	03	01	80	20	-	-	-	-	100
	M –II-1 Advanced Pharmaceutical Chemistry	03	06	03	01	80	20	06	06	80	20	200
	M-II-2 Elective-I	03	-	03	01	80	20	-	-	-	-	100
	Seminar	01	-	-	01	O/A/ B		-	-	-	-	-
	Research Work	-	10	-	-	-		-	-	-	-	-
												600
II	M-II-3 Advanced Medicinal Chemistry	03	06	03	01	80	20	06	06	80	20	200
	M-3 Drug Regulatory Affairs	03	-	03	01	80	20	-	-	-	-	100
	M-II-4 Drug Design	03	-	03	01	80	20	-	-	-	-	100
	M-II-5 Elective-II	03	-	03	01	80	20	-	-	-	-	100
	Seminar	01	-	-	01	O/A/B		-	-	-	-	-
	Research Work	-	-	-	-	-		-	-	-	-	-
												500
III	Seminar on Dissertation	01	-	-	O/A/B		-	-	-	-	-	-
	Research Work	-	42	-	-		-	-	-	-	-	-
IV	Seminar on Dissertation	01	-	01	O/A/B		-	-	-	-	-	-
	Dissertation	-	42	-	200		-	-	-	-	-	200
	Defence (viva/voce)	-	-	-	100		-	-	-	-	-	100
												300
												1400

Note: 1. O/A/B indicate the grade secured by the student in the seminar.

2. Besides Advanced Analytical Techniques (AAT), Drug Regulatory Affairs (DRA), Research Methodology (RM), rest of all compulsory subjects of one branch can also be taken as elective subjects for other branches.

M.PHARM. COURSE STRUCTURE
SPECIALIZATION: PHARMACOLOGY

Se m. No	Paper	Scheme of Teaching Hrs/Weeks		Scheme of Examination Theory			Practical				Total (Including 20 marks of Internal assessment)
		Theory	Practical	Hrs.	Marks		Hrs.	Marks			
I	M Advanced Analytical Techniques	03	06	UE IE	UE	IE	UE IE	UE	IE		200
	M-2 Research Methodology	03	-	03 01	80	20	-	-	-	-	100
	M –III-1 Advance Pharmacology (Preclinical Evaluation of Drugs)	03	06	03 01	80	20	06 06	80	20		200
	M-III-2 Elective-I	03	-	03 01	80	20	-	-	-	-	100
	Seminar Research Work	01 -	- 10	- 01 -	O/A/ B -		- -	- -	- -	- -	- -
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II	M-III-3 Clinical Pharmacology	03	06	03 01	80	20	06 06	80	20		200
	M-3 Drug Regulatory Affairs	03	-	03 01	80	20	-	-	-	-	100
	M-III-4 Molecular Pharmacology	03	-	03 01	80	20	-	-	-	-	100
	M-III-5 Elective-II	03	-	03 01	80	20	-	-	-	-	100
	Seminar Research Work	01 -	- -	- 01 -	O/A/B -		- -	- -	- -	- -	- -
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III	Seminar on Dissertation	01	-	-	O/A/B		-	-	-	-	-
	Research Work	-	42	-	-		-	-	-	-	-
IV	Seminar on Dissertation	-	-	01	O/A/B		-	-	-	-	-
	Dissertation	-	42	-	200		-	-	-	-	200
	Defence (viva/voce)	-	-	-	100		-	-	-	-	100
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							Grant Total				1400

Note: 1. O/A/B indicate the grade secured by the student in the seminar.

2. Besides Advanced Analytical Techniques (AAT), Drug Regulatory Affairs (DRA), Research Methodology (RM), rest of all compulsory subjects of one branch can also be taken as elective subjects for other branches.

**M.PHARM. COURSE STRUCTURE
SPECIALIZATION: PHARMACOGNOSY**

Sem. No	Paper	Scheme of Teaching Hrs/Weeks		Scheme of Examination Theory			Practical				Total (Including 20 marks of Internal assessment)	
		Theory	Practical	Hrs.	Marks		Hrs.	Marks				
I	M Advanced Analytical Techniques	03	06	UE 03	IE 01	UE 80	IE 20	UE 06	IE 06	UE 80	IE 20	200
	M-2 Research Methodology	03	-	03	01	80	20	-	-	-	-	100
	M-IV-1 Advanced Pharmacognosy	03	06	03	01	80	20	06	06	80	20	200
	M-IV-2 Elective-I	03	-	03	01	80	20	-	-	-	-	100
	Seminar	01	-	-	01	O/A/ B		-	-	-	-	-
	Research Work	-	10	-	-	-		-	-	-	-	-
												600
II	M-IV-3 Phytochemistry & Phytopharmaceuticals	03	06	03	01	80	20	06	06	80	20	200
	M-3 Drug Regulatory Affairs	03	-	03	01	80	20	-	-	-	-	100
	M-IV-4 Industrial Pharmacognosy	03	-	03	01	80	20	-	-	-	-	100
	M-IV-5 Elective-II	03	-	03	01	80	20	-	-	-	-	100
	Seminar	01	-	-	01	O/A/B		-	-	-	-	-
	Research Work	-	-	-	-	-		-	-	-	-	-
												500
III	Seminar on Dissertation	01	-	-	-	O/A/B		-	-	-	-	-
	Research Work	-	42	-	-	-		-	-	-	-	-
IV	Seminar on Dissertation	01	-	01	-	O/A/B		-	-	-	-	-
	Dissertation	-	42	-	-	200		-	-	-	-	200
	Defence (viva/voce)	-	-	-	-	100		-	-	-	-	100
												300
								Grant Total			1400	

Note: 1. O/A/B indicate the grade secured by the student in the seminar.

2. Beside Advanced Analytical Techniques (AAT), Drug Regulatory Affairs (DRA), Research Methodology (RM), rest of all compulsory subjects of one branch can also be taken as elective subjects for other branches.

M.PHARM. COURSE STRUCTURE
SPECIALIZATION: QUALITY ASSURANCE TECHNIQUES

Sem. No	Paper	Scheme of Teaching Hrs/Weeks		Scheme of Examination Theory			Practical				Total (Including 20 marks of Internal assessment)
		Theory	Practical	Hrs.	Marks		Hrs.	Marks			
I	M Advanced Analytical Techniques	03	06	UE IE	UE	IE	UE IE	UE	IE	200	
	M-2 Research Methodology	03	-	03 01	80	20	-	-	-	100	
	M-V-1 Advanced Quality Assurance Techniques (cGMP & Documentation).	03	06	03 01	80	20	06 06	80	20	200	
	M-V-2 Elective-I	03	-	03 01	80	20	-	-	-	100	
	Seminar Research Work	01 -	- 10	- 01 -	O/A/ B -		- -	- -	- -	- -	
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II	M-V-3 Pharmaceutical Validation	03	06	03 01	80	20	06 06	80	20	200	
	M-3 Drug Regulatory Affairs	03	-	03 01	80	20	-	-	-	100	
	M-V-4 Quality Planning & Analysis	03	-	03 01	80	20	-	-	-	100	
	M-V-5 Elective-II	03	-	03 01	80	20	-	-	-	100	
	Seminar Research Work	01 -	- -	- 01 -	O/A/B -		- -	- -	- -	- -	
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III	Seminar on Dissertation	01	-	-	O/A/B		-	-	-	-	
	Research Work	-	42	-	-		-	-	-	-	
IV	Seminar on Dissertation	01	-	01	O/A/B		-	-	-	-	
	Dissertation	-	42	-	200		-	-	-	200	
	Defence (viva/voce)	-	-	-	100		-	-	-	100	
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							Grant Total		1400		

Note: 1. O/A/B indicate the grade secured by the student in the seminar.

2. Besides Advanced Analytical Techniques (AAT), Drug Regulatory Affairs (DRA), Research Methodology (RM), rest of all compulsory subjects of one branch can also be taken as elective subjects for other branches.