2016

THE MASTER OF PHARMACY (M. PHARM.)

COURSE REGULATION 2014

(Based on Notification in the GAZETTE OF INDIA 60-362, DATED DECEMBER 11, 2014)

SCHEME AND SYLLABUS



PHARMACY COUNCIL OF INDIA

Combined Council's Building, Kotla Road, Aiwan-E-Ghalib Marg, New Delhi-110 002. Website: www.pci.nic.

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असाधारण

EXTRAORDINARY

भाग III-खण्ड 4

PART III—Section 4 प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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NEW DELIH, THURSDAY, DECEMBER 11, 2014/AGRAHAYANA 30, 1936

PHARMACY COUNCIL OF INDIA

New Delhi, the 10th Deceme 'r, 2014

The Master of Pharmacy (M.Ph., vm. Course Regulations, 2014

No. 14-136/ 2014-PCL—In exercise of the powers conferred by Sections 10 and 18 of the Pharmacy Act, 1948 (8 of 1948), the Pharmacy Council of India, with the approval of the Central Government hereby makes the following regulations; namely—

CHAPTER -I:REGULATIONS

1. Short Title and Commencement

These regulations shall be called as "The Revised Regulations for the Master of Pharmacy (M. Pharm.)Degree Program - Credit Based Semester System (CBSS) of the Pharmacy Council of India, New Delhi". They shall come into effect from the Academic Year 2016-17. The regulations framed are subject to modifications from time to time by the authorities of the university.

2. Minimum qualification for admission

A Pass in the following examinations

- a) B. Pharm Degree examination of an Indian university established by law in India from an institution approved by Pharmacy Council of India and has scored not less than 55 % of the maximum marks (aggregate of 4 years of b Pharm.)
- b) Every student, selected for admission to post graduate pharmacy program in any PCI approved institution should have obtained registration with the State Pharmacy Council or should obtain the same within one month from the date of his/her admission, failing which the admission of the candidate shall be cancelled.

Note: It is mandatory to submit a migration certificate obtained from the respective university where the candidate had passed his/her qualifying degree (B.Pharm.)

3. Duration of the program

The program of study for M.Pnarm. shall extend over a period of four semesters (two academic years). The curricula and syllabi for the program shall be prescribed from time to time by Phamacy Council of India, New Delhi.

4. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

5. Working days in each semester

Factor semestershall consist of not less than 100 working days. The odd semesters shall be conducted from the month of June July to November/December and the even semesters shall be conducted from the month of December January to May June in every calendar year.

6. Attendance and progress

A candidate is required to put in at least 80% attendance in individual courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.

7. Program/Course credit structure

As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, practical classes, seminars, assignments, etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly the credit associated with any of the other academic, co/extracurricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week/per activity.

7.1. Credit assignment

7.1.1. Theory and Laboratory courses

Courses are broadly classified as Theory and Practical. Theory courses consist of lecture (L) and Practical P) courses consist of hours spent in the laboratory. Credits (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and a multiplier of half (1/2) for practical (laboratory) hours. Thus, for example, a theory course having four lectures per week throughout the semester carries a credit of 4. Similarly, a practical having four laboratory hours per week throughout semester carries a credit of 2.

The contact hours of seminars, assignments and research work shall be treated as that of practical courses for the purpose of calculating credits. i.e., the contact hours shall be multiplied by 1/2. Similarly, the contact hours of journal club, research work presentations and discussions with the supervisor shall be considered as theory course and multiplied by 1.

7.2 Minimum credit requirements

The minimum credit points required for the award of M. Pharm. degree is 95. However based on the credit points earned by the students under the head of co-curricular activities, a student shall earn a maximum of 100 credit points. These credits are divided into Theory courses, Practical, Seminars, Assignments, Research work, Discussions with the supervisor, Journal club and Co-Curricular activities over the duration of four semesters. The credits

are distributed semester-wise as shown in Table 14. Courses generally progress in sequence, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

8. Academic work

A regular record of attendance both in Theory, Practical, Seminar, Assignment, Journal club, Discussion with the supervisor, Research work presentation and Dissertation shall be maintained by the department / teaching staff of respective courses.

9. Course of study

The specializations in M.Pharm program is given in Table 1.

Table - 1: List of M.Pharm. Specializations and their Code

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 F ffairs	MRA
7.	Pharmaceutical Biotechnology	MPB
8.	Pharmacy Practice	MPP
9.	Pharmacology	MPL
10.	Pharmacognosy	MPG

The course of study for M.Pharm specializations shall include Semester wise Theory & 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.

Table - 2: Course of study for M. Pharm. (Pharmaceutics)

Course Seme Modern Pharmaceutical	Credit Hours ester I	Credit Points	Hrs./w k	Marks
		1 Jillis		
Modern Pharmaceutical				
Analytical Techniques	4	4	4	100
Drug Delivery System	4	4	4	100
Modern Pharmaceutics	4	4	4	100
Regulatory Affair	4	4	4	100
Pharmaceutics Practical I	12	6	12	150
Seminar/Assignment	7	4	7	109
Total	35	26	35	650
Seme	ster II		10	,
Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	4	4	100
Biopharmaceutics & Pharmacokinetics	4		4	100
Computer Aided Drug Delivery System	4	4	4	100
Cosmetic and Cosmeceuticals	4	4	4	100
Pharmaceutics Practical 1	12	6	12	150
Seminar/Assignment	7	4	7	100
Total	35	26	35	650
Rango				
	Modern Pharmaceutics Regulatory Affair Pharmaceutics Practical I Seminar/Assignment Total Seme Molecular Pharmaceutics (Nano Tech and Targeted DDS) Advanced Biopharmaceutics & Pharmacokinetics Computer Aided Drug Delivery System Cosmetic and Cosmeceuticals Pharmaceutics Practical il Seminar/Assignment Total	Modern Pharmaceutics Regulatory Affair Pharmaceutics Practical I Seminar/Assignment Total Molecular Pharmaceutics (Nano Tech and Targeted DDS) Advanced Biopharmaceutics & 4 Pharmacokinetics Computer Aided Drug Delivery System Cosmeceuticals Pharmaceutics Practical it Seminar/Assignment Total Total 35 Semester II 4 4 4 4 4 7 7 7 7 7 7 7 7	Modern Pharmaceutics 4 4 Regulatory Affair 4 4 Pharmaceutics Practical I 12 6 Seminar/Assignment 7 4 Total 35 26 Semester II Molecular Pharmaceutics (Nano Tech and Targeted DDS) Advanced Biopharmaceutics & 4 4 Pharmacokinetics Computer Aided Drug Delivery System Cosmeceuticals Pharmaceutics Practical II 12 6 Seminar/Assignment 7 4 Total 35 26	Modern Pharmaceutics 4 4 4 Regulatory Affair 4 4 4 Pharmaceutics Practical I 12 6 12 Seminar/Assignment 7 4 7 Total 35 26 35 Semester II Molecular Pharmaceutics (Nano Tech and Targeted DDS) Advanced Biopharmaceutics & 4 4 4 4 Pharmacokinetics Computer Aided Drug Delivery System Cosmecic and Cosmeceuticals Pharmaceutics Practical II 12 6 12 Seminar/Assignment 7 4 7 Total 35 26 35

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

lat	ole – 3: Course of study for M	. Pharm. (industrial F	narmacy	')
Course Code	Course	Credit Hours	Credit Points	Hrs./w k	Marks
	Semes	ster I			
MIP101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MIP102T	Pharmaceutical Formulation Development	4	4	4	100
MIP103T	Novel drug delivery systems	4	4	4	169
MIP104T	Intellectual Property Rights	4	4	30	100
MIP105P	Industrial Pharmacy Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650
	Semes	ster II			
MIP201T	Advanced Biopharmaceutics and Pharmacokinetics	4	4	4	100
MIP202T	Scale up and Technology Transfer	4	4	4	100
MIP203T	Pharmaceutical Production Technology	4	4	4	100
MIP204T	Entreprenduiship Management	4	4	4	100
MIP205P	Industrial Pharmacy Practical	12	6	12	150
-33	Seminar/Assignment	7	4	7	100
Tro.	Total	35	26	35	650

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

Course Code		Credit	Credit	Hrs./w	-
	Course	Hours	Points	k	Marks
	Seme	ester I			
MPC101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPC1012T	Advanced Organic Chemistry -I	4	4	4	100
MPC103T	Advanced Medicinal chemistry	4	4	4	100
MPC104T	Chemistry of Natural Products	4	4	4	100
MPC105P	Pharmaceutical Chemistry Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650
		ster II			
MPC201T	Advanced Spectral Analysis	4	0,7	4	100
MPC202T	Advanced Organic Chemistry -II	4	4	4	100
MPC203T	Computer Aided Drug Design	4	4	4	100
MPC204T	Pharmaceutical Process Chemistry	4	4	4	100
MPC205P	Pharmaceutical Chemistry Procisal II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650

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

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Code	Semes		Folits		
		ster i			
MPA101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPA102T	Advanced Pharmaceutical Analysis	4	4	4	100
MPA103T	Pharmaceutical Validation	4	4	4	100
MPA104T	Food Analysis	4	4	4	100
MPA105P	Pharmaceutical Analysis Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650
	Semes	ster II	C		
MPA201T	Advanced Instrumental Analysis	4	4	4	100
MPA202T	Modern Bio-Analytical Techniques	4	4	4	100
MPA203T	Quality Control and Quality Assurance	4	4	4	100
MPA204T	Herbal and Cosmetic Analysis	4	4	4	100
MPA205P	Pharmaceutical Analysis Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total Total	35	26	35	650
OKATO	All Pains				

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

Course Code	Course	Credit Hours	Credit Points	Hrs./w k	Marks
	Seme	ster I			
MQA101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MQA102T	Quality Management System	4	4	4	100
MQA103T	Quality Control and Quality Assurance	4	4	4	100
MQA104T	Product Development and Technology Transfer	4	4	4	100
MQA105P	Pharmaceutical Quality Assurance Practical I	12	6		150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650
	Semes	ster II	O		
MQA201T	Hazards and Safety Management	4		4	100
MQA202T	Pharmaceutical Validation	4	4	4	100
MQA203T	Audits and Regulatory Compliance	4	4	4	100
MQA204T	Pharmaceutical Manufacturing Technology	4	4	4	100
MQA205P	Pharmaceutical Quality Assurance Practical II	12	6	12	150
-	Seminar/Assignmen.	7	4	7	100
	Total	35	26	35	650

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

Course Code	Course	Credit Hours	Credit Points	Hrs./ wk	Marks
	Sem	ester I			
MRA 101T	Good Regulatory Practices	4	4	4	100
MRA 102T	Documentation and Regulatory Writing	4	4	4	100
MRA 103T	Clinical Research 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	a	100
MRA 105P	Regulatory Affairs Practical I	12	6	12	150
	Seminar/Assignment	7	4	7	100
	Total	35	2.6	35	650
		ester IÍ	,		
MRA 201T	Regulatory Aspects of Drugs & Cosmetics	(1)	4	4	100
MRA 202T	Regulatory Aspects of Herbal & Biologicals	4	4	4	100
MRA 203T	Regulatory Aspects of Medical Devices	4	4	4	100
MRA 204T	Regulatory Aspects of Food & Nutraceuticals	4	4	4	100
MRA 205P	Regulatory Airairs Practical II	12	6	12	150
	Semina./Assignment	7	4	7	100
	Total	35	26	35	650

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

	- 8: Course of study for M. Pha				nogy)
Course Code	Course	Credit Hours	Credit Points	Hrs./w k	Marks
	Seme	ster I			
MPB 101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPB 102T	Microbial And Cellular Biology	4	4	4	100
MPB 103T	Bioprocess Engineering and Technology	4	4	4	100
MPB 104T	Advanced Pharmaceutical Biotechnology	4	4	1	100
MPB 105P	Pharmaceutical Biotechnology Practical I	12	6	12	150
-	Seminar/Assignment	7	2	7	100
	Total	35	26	35	650
	Semes	ster II			
MPB 201T	Proteins and protein Formulation	4	4	4	100
MPB 202T	Immunotechnology	4	4	4	100
MPB 203T	Bioinformatics and Computer Technology	4	4	4	100
MPB 204T	Biological Evaluation of Drug Therapy	4	4	4	100
MPB 205P	Pharmaceutical Biotechnology Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Tr.o	Total	35	26	35	650

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

New Normal Semester Semester Semester	100 100 100 100
101T Clinical Pharmacy Practice	100
102T	100
103T	100
104T Clinical Research 4 4 4 4 MPP	
New York Pharmacy Practice Practical 12 6 12 6 12 6 12 6 12 6 12 6 12 6 12 6 12 6 12 6 12 6 12 6 12 12	150
Total 35 26 35	
Semester II MPP Principles of Quality Use of Medicines 4 4 4 MPP MPP 102T Pharmacotherapeutics II 4 4 4	100
MPP 201T Principles of Quality Use of 4 4 4 4 4 Medicines Pharmacotherapeutics II 4 4 4 4	650
201T Medicines 4 4 4 MPP 102T Pharmacotherapeutics II 4 4 4	
102T Pharmacotherapeutics II 4 4 4	100
MPP Clinical Pharmacokinetics and	100
203T Therapeutic Drug Monitoring 4 4 4	100
MPP Pharmacoepidemiology & 4 4 4	100
MPP 205P Pharmacy Practice Practical II 12 6 12	150
- Seminar/Assignment 7 4 7	100
Foral 35 26 35	650

Table - 10: Course of study for (Pharmacology)

,					
Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
	Semes	ster I			
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	190
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
	Total	35	26	35	650
	Semes	ster II			
MPL 201T	Advanced Pharmacology II	4	6 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-!	4	4	4	100
 MPL 205P	Pharmacology Practical II	12	6	12	150
-	SeminariAssignment	7	4	7	100
Nat?	Total	35	26	35	650

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

Course	Course	Credit	Credit	Hrs./wk	Marks
Code		Hours	Points		
	Semes	ster I			
MPG101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPG102T	Advanced Pharmacognosy-1	4	4	4	100
MPG103T	Phytochemistry	4	4	4	100
MPG104T	Industrial Pharmacognostical Technology	4	4	4	100
MPG105P	Pharmacognosy Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	A35	650
	Semes	ter II		A) Y	
MPG201T	Medicinal Plant biotechnology	4	4	4	100
MPG102T	Advanced Pharmacognosy-II	4	4	4	100
MPG203T	Indian system of medicine	4	4	4	100
MPG204T	Herbal cosmetics	4	4	4	100
MPG205P	Pharmacognosy Practical II	12	6	12	150
-	Seminar/Assignment	7 /	4	7	100
	Total	35	26	7 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
	Total	35	21

^{*} Non University Exam

Table - 13: Course of study for M. Pharm. IV Semester (Common for All Specializations)

Course Code	Course		C. edit Fours	Credit Points
-	Journal Club		2, 1	1
-	Research Work	6	31	16
-	Discussion/Final Presentation	1019	3	3
	Total		35	20

Table – 14: Semester vise credits distribution

Table I i Semester Association and	
Semester	Credit Points
I	26
II	26
Ш	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	Minimum=02 Maximum=07*
Total Credit Points	Minimum=95 Maximum=100*
*Credit Ponts for Co-curricular Activities	

Table - 15: Guidelines for Awarding Credit Points for Co-curricular Activities

Name of the Activity	Maximum Credit Points Eligible / Activity
Participation in National Level	
Seminar/Conference/Workshop/Symposium/ Training	01
Programs (related to the specialization of the student)	
Participation in international Level	
Seminar/Conference/Workshop/Symposium/ Training	02
Programs (related to the specialization of the student)	
Academic Award/Research Award from State	01
Level/National Agencies	01
Academic Award/Research Award from International	02
Agencies	02
Research / Review Publication in National Journals	
(Indexed in Scopus / Web of Science)	01
Research / Review Publication in International Journals	
(Indexed in Scopus / Web of Science)	02

Note: International Conference: Held Outside India

International Journal: The Editorial Board Outside India

*The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

10. Program Committee

- 1. The M. Pharm. programme shall have a Programme Committee constituted by the Head of the institution in consultation with all the Heads of the departments.
- 2. The composition of the Programme Committee shall be as follows: A teacher at the cadre of Professor shall be the Chairperson; One Teacher from each. Pharm specialization and four student representatives (two from each academic year), nominated by the Head of the institution.
- 2. Duties of the Programme Committee:
- i. Periodically reviewing the progress of the classes.
- ii. Discussing the problems concerning curriculum, syllabus and the conduct of classes.
- iii. Discussing with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.

- iv. Communicating its recommendation to the Head of the institution on academic matters.
- v. The Programme Committee shall meet at least twice in a semester preferably at the end of each sessionalexam and before the end semester exam.

11. Examinations/Assessments

The schemes for internal assessment and end semester examinations are given in Table - 16.

11.1. End semester examinations

The End Semester Examinations for each theory and practical coursethrough semesters I to IVshall beconducted by the respective university except for the subject with asterix symbol (*) in table I and II for which examinations shall be conducted by the subject experts at all b all Rangarally coller college level and the marks/grades shall be submitted to the university.

Tables – 1616 : Schemes for internal assessments and end semester (Pharmaceutics- MPH)

Course Code	Tota l Mar ks
Code	Mar
MPH	
MPH 101T Modern Pharmaceuti cal Analytical Techniques 10 15 1 Hr 25 75 3 Hrs. MPH 102T Drug Delivery System 10 15 1 Hr 25 75 3 Hrs. MPH 103T Modern Pharmaceuti cs 10 15 1 Hr 25 75 3 Hrs. MPH 104T Affair 10 15 1 Hr 25 75 3 Hrs. MPH 104T Affair 10 15 1 Hr 25 75 3 Hrs. MPH 105P Pharmaceuti cs Practical I 20 30 6 Hrs. 50 100 6 Hrs.	-7
MPH Delivery 10 15 1 Hr 25 75 3 Hrs MPH Modern Pharmaceuti 10 15 1 Hr 25 75 3 Hrs MPH Regulatory 10 15 1 Hr 25 75 3 Hrs MPH Regulatory 10 15 1 Hr 25 75 3 Hrs MPH Pharmaceuti 20 30 6 Hrs 50 100 6 Hrs 105P cs Practical I 20 30 6 Hrs 50 100 6 Hrs	100
MPH 103T Pharmaceuti cs 10 15 1 Hr 25 75 3 Hrs MPH 104T Regulatory Affair 10 15 1 r!r 25 75 3 Hrs MPH Pharmaceuti 105P Cs Practical I 20 30 6 Hrs 50 100 6 Hrs	100
104T Affair 10 15 1 Hr 25 75 3 Hrs MPH Pharmaceuti 20 30 6 Hrs 50 100 6 Hrs	100
105P cs Practical I 20 30 6 Hrs 50 100 6 Hrs	100
	150
Seminar	100
fotal	650
SEMESTER II	
Molecular Pharmaceuri MPH cs(N (n)) 201T Tech and 10 15 1 Hr 25 75 3 Hrs Targeted DDs)	100
Advanced Biopharmac eutics & 10 15 1 Hr 25 75 3 Hrs Pharmacokin etics	100
Computer MPH Aided Drug 203T Delivery System Computer 10 15 1 Hr 25 75 3 Hrs	100
MPH Cosmetic 10 15 1 Hr 25 75 3 Hrs	100

MPH 205P	Cosmeceutic als Pharmaceuti cs Practical I Seminar /Assignment	20 - To	30 - otal	6 Hrs	50	100	6 Hrs	150 100 650	.1
2057	.	20 - To	30 - otal	6 Hrs	50 -	100	6 Hrs	150 100 650	.1
-	Seminar /Assignment	- To	- otal	-	-	-	-	100 650	.1
	Assignment	To	otal					650	1
			,					050	
Cokar	Seminar /Assignment	5010		016	50				

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

	ı	(maasti		,	- /			
		_					nd	
		Int	ernal As	ssessmen	t		ester	
Course						Exa	ıms	Total
Course	Course	Conti	Ses	sional				Marks
Code		nuou	Ex	ams	Tot	Mar	Dura	Marks
		s	Mar	Durati	al	ks	tion	
		Mode	ks	on	aı	KS	tion	
			EMEST					
		2	EMESI	EK I				0.0.
	Modern							
MIP101T	Pharmaceutic	10	15	1 Hr	25	75	3	100
	al Analytical	10	13	1 111	23	/ 3	Hrs	7 100
	Techniques							
	Pharmaceutic					C.		
MIP102T	al Formulation	10	15	1 Hr	25	75	3	100
	Development					O'	Hrs	
	Novel drug				0,			
MIP103T	delivery	10	15	1 Hr	05	75	3	100
	systems	10	13	1111		13	Hrs	100
	Intellectual							
MIP104T	Property						3	
MIP1041		10	15	1 Hr	25	75	Hrs	100
	Rights							
	Industrial						6	
MIP105P	Pharmacy	20 ,	30	6 Hrs	50	100	Hrs	150
	Practical I						5	
	Seminar							100
	/Assignment	<.O.,	-	-	-	-	-	100
	0,	T	otal					650
		S	EMEST	ER II				
	Advanced							
	Biopha maceu							
MIP201T	tics and	10	15	1 Hr	25	75	3	100
2011	Pharmacokine	10	13	1 111	23	/ 3	Hrs	100
-6	ics							
	Scale up and							
NATIONAL D							3	
М.Ф20∠Г	Technology	10	15	1 Hr	25	75	Hrs	100
	Transfer							
D	Pharmaceutic						3	
MIP203T	al Production	10	15	1 Hr	25	75	ە Hrs	100
	Technology						1113	
	Entrepreneurs							
MIP204T	hip	10	15	1 Hr	25	75	3 Urc	100
	Management						Hrs	

Seminar 100 Total 650
Total 650
Seminar 100 Total

(Pharmaceutical Chemistry-MPC)

	\.	amacc	aticaic	nemistry-	1411 C)			
		In	ternal A	ssessmen	ıt	En Seme Exa	ester	
Course Code	Course	Cont inuo		sional ams	Tot	Mar	Du	Total Marks
		us Mod e	Mar ks	Durati on	al	ks	rati on	2
			SEMEST	ΓER I				
MPC101T	Modern Pharmaceutic al Analytical Techniques	10	15	1 Hr	25	75	2 Hrs	100
MPC102T	Advanced Organic Chemistry -I	10	15	1 Hr	25	75	3 Hrs	100
MPC103T	Advanced Medicinal chemistry	10	15	1 Hr	Ż5	75	3 Hrs	100
MPC104T	Chemistry of Natural Products	10	15	1 Hr	25	75	3 Hrs	100
MPC105P	Pharmaceutic al Chemistry Practical I	20	20	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment		-	-	-	-	-	100
		To	otal					650
	0.0		SEMEST	TER II				
MPC201T	Advanced Spectral Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPC2021	Advanced Organic Chemistry -II	10	15	1 Hr	25	75	3 Hrs	100
мРС203Т	Computer Aided Drug Design	10	15	1 Hr	25	75	3 Hrs	100
MPC204T	Pharmaceutic al Process Chemistry	10	15	1 Hr	25	75	3 Hrs	100
MPC205P	Pharmaceutic	20	30	6 Hrs	50	100	6	150

al Chemistry Practical II						Hrs	
Seminar - /Assignment	-	-	-	-	-	-	100
	To	otal					650

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

							nd	
		Inte	ernal As	sessment			ester ams	
Course						EX	ams	Total
Code	Course	Contin		sional			300	Marks
		uous		ams	Tot	Mark	Dura	
		Mode	Mark	Durati	al	S	tion	
			s SEMEST	on		O		
	Modern	,	SEMES	IEKI	7			
MPA101T	Pharmaceuti			.	0		.	
MPAIUII	cal Analysis	10	15	1 Hr	25	75	3 Hrs	100
	Advanced							
MPA102T	Pharmaceuti	10	15	Hr	25	7.5	2 1 1 1 1 1 1	100
WII ATOZT	cal Analysis	10	15	7-11	25	75	3 Hrs	100
	Pharmaceuti		4					
MPA103T	cal	10	15	1 Hr	25	75	3 Hrs	100
	Validation	10	13	1 1 111	23	,,	31113	100
160 1 1 0 1 m	Food							
MPA104T	Analysis	10	15	1 Hr	25	75	3 Hrs	100
	Pharmaceuti	10						
MPA105P	cal Analysis	20	30	6 Hrs	50	100	6 Hrs	150
_	Semina							100
•	Assignment	-	_	_	_	_	_	
			otal					650
		5	SEMEST	ER II				
VI.O.	Advanced							
MP _A 201T	Instrumental	10	15	1 Hr	25	75	3 Hrs	100
	Analysis							
1001000	Modern Bio-							
MPA202T	Analytical	10	15	1 Hr	25	75	3 Hrs	100
	Techniques							
MPA203T	Quality Control and							
WIPA2031	Control and Quality	10	15	1 Hr	25	75	3 Hrs	100
	Quality		22					

MPA204T Herbal and Cosmetic 10 15 1 Hr 25 75 3 Hrs 100 analysis Pharmaceuti cal Analysis- 20 30 6 Hrs 50 100 6 Hrs 150 III Seminar Assignment Total Total		Assurance								
MPA205P cal Analysis- 20 30 6 Hrs 50 100 6 Hrs 150	MPA204T		10	15	1 Hr	25	75	3 Hrs	100	
Total		cal Analysis- II								
Total 659)	-	Seminar /Assignment	-	-	-	-	-	-	100	1
Gokarajil Rangarajil College of Phatrin			7	Γotal					650	
						00	0,			

Tables - 20: Schemes for internal assessments and end semester examinations (Pharmaceutical Quality Assurance-MQA)

Code Code Course Continuous Mar Duratinuous Mode Sessional Exams Ot al Sessional Example Example Exams Ot al Sessional Example Examp	otal urks
Code Code Course Continuous Mar Duratinuous Mode Sessional Exams on Semester I Semester I Modern M	urks
Modern MOA1 Pharmaceutical	00
Modern MOA1 Pharmaceutical	00
01T Analytical 10 15 1 Hr 25 75 3 Hrs 1 Techniques	
021 System	00
MQA1 Quality Control and Quality Assurance 10 15 1 Hr 25 75 3 Hrs 1	00
Technology Transfer	00
Practical I	50
- Seminar - /Assignment 1	00
	50
SEMESTER II	
orr Management	00
021 Validation	00
Compliance	00
Technology	00
Practical II	50
Seminar 1	00
Total 6	50

Tables - 21: Schemes for internal assessments and end semester examinations (Pharmaceutical Regulatory Affairs-MRA)

	(i iiaiii	laccane	ui itege	natory An	ans wi	V/ V/		
		In	ternal A	ssessmen	ıt	Sem	nd ester ams	
Course Code	Course	Cont inuo		sional ams	Tot	Mar	Dura	Total Marks
		us Mod e	Mar ks	Durati on	al	ks	tion	
			SEMEST	ΓER I				
MRA10 1T	Good Pharmaceutical Practices	10	15	1 Hr	25	75	3 Hrs	100
MRA10 2T	Documentation and Regulatory Writing	10	15	1 Hr	25	7.5	3 Hrs	100
MRA10 3T	Clinical Research Regulations	10	15	1 Hr	25	75	3 Hrs	100
MRA10 4T	Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, and Food & Nutraceuticals in India and Intellectial Property kights	10	î5	1 Hr	25	75	3 Hrs	100
MRA10 5T	Pha.maceutical Negulatory Aifairs Practical I	20	30	6 Hrs	50	100	6 Hrs	150
75.0	Seminar /Assignment	-	-	-	-	-	-	100
KU _			Cotal					650
		\$	SEMEST	ER II				
MRA20 1T	Regulatory Aspects of Drugs & Cosmetics	10	15	1 Hr	25	75	3 Hrs	100

Biologicals Regulatory Aspects of Medical Devices MRA20 4T Regulatory Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 10 & 10 15 1 Hr 25 75 3 Hrs 10 & 10 15 1 Hr 25 75 3 Hrs 10 & 10 15 1 Hr 25 75 3 Hrs 10 & 10 15 1 Hr 25 75 3 Hrs 10 & 10 15 1 Hr 25 75 3 Hrs 10 & 10 15 1 Hr 25 75 3 Hrs 10 10 10 10 10 10 10 10 10 10 10 10 10	MRA20 Aspects of Herbal & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Biologicals MRA20 Aspects of Medical Devices MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1 MRA20 Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 1	MRA20 Aspects of Herbal & Biologicals MRA20 3T Aspects of Medical Devices MRA20 4T Aspects of Spects of Food & Nutraceuticals Pharmaceutical Regulatory Affairs Practical II Seminar /Assignment 1	2T								
Aspects of Medical Devices MRA20 4T Regulatory Aspects of Food & 10 15 1 Hr 25 75 3 Hrs 10 25	Aspects of Medical Devices MRA20 4T MRA20 4T Aspects of Medical Devices 10 15 1 Hr 25 75 3 Hrs 1 MRA20 4T Aspects of Food & Nutraceuticals Pharmaceutical Regulatory Affairs Practical II Sominar Sominar	MRA20 ASpects of Medical Devices MRA20 ASpects of Food & Nutraceuticals Pharmaceutical Regulatory SP Affairs Practical II	MRA20	Herbal &	10	15	1 Hr	25	75	3 Hrs	10
MRA20 4T Aspects of Food & Nutraceuticals Pharmaceutical Regulatory Affairs Practical II Sominar	MRA20 4T Aspects of Food & Nutraceuticals Pharmaceutical Regulatory Affairs Practical II Sominar	MRA20 Aspects of Food & Nutraceuticals Pharmaceutical Regulatory Affairs Practical II Sominar	3T	Regulatory Aspects of Medical Devices	10	15	1 Hr	25	75	3 Hrs	10
MRA20 Regulatory 5P Affairs Practical II 20 30 6 Hrs 50 100 6 Hrs 1	MRA20 Regulatory 5P Affairs Practical II 20 30 6 Hrs 50 100 6 Hrs 1	MRA20 Regulatory 5P Affairs Practical II 20 30 6 Hrs 50 100 6 Hrs 1		Aspects of Food & Nutraceuticals	10	15	1 Hr	25	75	3 Hrs	10
- Seminar /Assignment 1 1 6:	- Seminar /Assignment 1 6.	Seminar 1 1 6 6 6 6 6 6 6 6		Regulatory Affairs Practical	20	30	6 Hrs	50	100	6 Hrs	15
Total 6:	Total 6	Total 6	-	Seminar	_	-	-	-	e.	-	10
	AND	SOKATAJU RANGATAJU		Assignment	Т	otal				7	
	rail Par	30 Karalil Rav			5017						

Tables - 22: Schemes for internal assessments and end semester examinations (Pharmaceutical Biotechnology-MPB)

	,			echholog	,		emester	
		Inte	ernal As	sessmen	t		ams	Tota
Course Code	Course	Conti		sional		3.7	5 .:	l Mar
Code		nuous	Mar	ams Durati	Tot al	Mar ks	Durati on	ks
		Mode	ks	on	aı	KS	On	
		S	EMEST	ER I				
MPB10 1T	Modern Pharmaceutical Analytical	10	15	1 Hr	25	75	3 Hrs	100
MPB10 2T	Techniques Microbial And Cellular Biology	10	15	1 Hr	25	75	3 i 4rs	100
MPB10 3T	Bioprocess Engineering and Technology	10	15	1 Hr	25	7/5	3 Hrs	100
MPB10 4T	Advanced Pharmaceutical Biotechnology	10	15	1 Hr	25	75	3 Hrs	100
MPB10 5P	Pharmaceutical Biotechnology Practical I	20	30	6 i rs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	<i>-</i>	-	-	-	100
	Teta							650
			EMESTE	ER II				
MPB20 1T	Proteins and protein Formulation	10	15	1 Hr	25	75	3 Hrs	100
MPB20 2T	Immunotechnolo qv	10	15	1 Hr	25	75	3 Hrs	100
MPB20 3T	Bioinformatics and Computer Technology	10	15	1 Hr	25	75	3 Hrs	100
MPB20 4T	Biological Evaluation of Drug Therapy	10	15	1 Hr	25	75	3 Hrs	100
MF 529 3P	Pharmaceutical Biotechnology Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
		Т	otal					650

Tables – 23: Schemes for internal assessments and end semester examinations (Pharmacy Practice-MPP)

	(Pharmacy Practice-MPP)							
		Inte	ernal A	ssessme	nt	Sen	end nester ams	Tot
Cours e Code	Course	Conti nuous		ssional xams Dur	Tot al	Mar ks	Durati on	al Mar ks
		Mode	ks	atio n	aı	KS	OII	
		SEM	IESTEF	RI				0.0
MPP10 1T	Clinical Pharmacy Practice	10	15	1 Hr	25	75	3 H/S	100
MPP10 2T	Pharmacotherapeutic s-I	10	15	1 Hr	25	75	3 Hrs	100
MPP10 3T	Hospital & Community Pharmacy	10	15	1 Hr	25 (75	3 Hrs	100
MPP10 4T	Clinical Research	10	15	1 Hr	25	75	3 Hrs	100
MPP10 5P	Pharmacy Practice Practical I	20	30	6 His	50	100	6 Hrs	150
-	Seminar /Assignment	-	Œ	-	-	-	-	100
Total								650
		10.	ESTER	. II				
MPP20 1T	Principles of Quality Use of Medicines	10	15	1 Hr	25	75	3 Hrs	100
MPP10 2T	Pharmacotherapoutic s II	10	15	1 Hr	25	75	3 Hrs	100
MPP20 3T	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	10	15	1 Hr	25	75	3 Hrs	100
MPP20 4T	Pharmacoepidemiolo gy & Pharmacoeconomics	10	15	1 Hr	25	75	3 Hrs	100
MPP20 5P	Pharmacy Practice Practical II	20	30	6 Hrs	50	100	6 Hrs	150
_	Seminar /Assignment	-	-	-	-	-	-	100
		Tota	al					650

Tables - 24: Schemes for internal assessments and end semester examinations (Pharmacology-MPL)

				gy-WPL)		End S	emester	
		lnte	ernal As	sessmen	t		ams	Tot
Course	Course	Conti		sional	_			al
Code		nuous	Mar	ams Durati	Tot al	Mar ks	Durati on	Mar ks
		Mode	ks	on	aı	KS	Oli	
		S	EMESTI	ER I				
MPL10 1T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPL10 2T	Advanced Pharmacology-I	10	15	1 Hr	25	75	3 i 4rs	100
MPL10 3T	Pharmacological and Toxicological Screening Methods-I	10	15	1 Hr	25	Ç, 3->	3 Hrs	100
MPL10 4T	Cellular and Molecular Pharmacology	10	15	1 Hr	25	75	3 Hrs	100
MPL10 5P	Experimental Pharmacology - I	20	30	6 h.rs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	<u> </u>	-	-	-	100
	Teta.							650
			EMESTE	ER II				
MPL20 1T	Advanced Pharmacology II	10	15	1 Hr	25	75	3 Hrs	100
MPL10 2T	Pharmacological and Toxicological Screening Methods !	10	15	1 Hr	25	75	3 Hrs	100
MPL20 3T	Principles of Drug Discovery	10	15	1 Hr	25	75	3 Hrs	100
MPL20 4T	Clinical research and pharmacovigilanc e	10	15	1 Hr	25	75	3 Hrs	100
MFL20 5P	Experimental Pharmacology - II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
		Т	otal					650

Tables – 25: Schemes for internal assessments and end semester examinations (Pharmacognosy-MPG)

(Filaillacognosy-MFG)								
		Inte	ernal As	sessment			emester ams	Tota
Course Code	Course	Contin uous Mode		sional ams Durati on	Tot al	Mar ks	Durati on	l Mar ks
		S	SEMEST	ER I				
MPG10 1T	Modern Pharmaceutica I Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	160
MPG10 2T	Advanced Pharmacognos y-1	10	15	1 Hr	25	75	2 Hrs	100
MPG10 3T	Phytochemistr v	10	15	1 Hr	25	75	3 Hrs	100
MPG10 4T	Industrial Pharmacognos tical Technology	10	15	1 Hr		75	3 Hrs	100
MPG10 5P	Pharmacognos y Practical I	20	30	6 H/s	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	<u>-</u>	-	-	-	100
		•1	Γc⁺aı ,					650
	CEN'ESTER II							
MPG20 1T	Medicinal Plant biotechnology	10	15	1 Hr	25	75	3 Hrs	100
MPG10 2T	Advanced Pharmacognos y-II	10	15	1 Hr	25	75	3 Hrs	100
MPG20 3T	Indian system of mealtine	10	15	1 Hr	25	75	3 Hrs	100
MPG20 4T	l'erbal cosmetics	10	15	1 Hr	25	75	3 Hrs	100
MPG20 5P	Pharmacognos y Practical II	20	30	6 Hrs	50	100	6 Hrs	150
O	Seminar /Assignment	-	-	-	-	-	-	100
<u> </u>		7	Γotal					650

Tables - 26: Schemes for internal assessments and end semester examinations (Semester III& IV)

		,-		i ilia iv)				
		Int	ernal As	ssessment	t		emester	Tota
Course Code	Course	Conti nuou		sional ams	Tot	Mark	Durati	l Mark s
		s Mode	Mark s	Durati on	al	S	on	,
			SEMES	TER III			A.C.	0,0
MRM30 1T	Research Methodology and Biostatistics*	10	15	1 Hr	25	75	3.Hrs	100
-	Journal club	-	-	-	25	0	-	25
-	Discussion / Presentation (Proposal Presentation)	-	-	-	50	-	-	50
-	Research work*	-	- (0,	-	350	1 Hr	350
	Total							525
		505	SEMEST	TER IV				
-	Journal club	90	-	-	25	-	-	25
-	Discustion/ Presentation (Proposal Prosentation)	-	-	-	75	-	-	75
10	Research work and Colloquium	-	-	-	-	400	1 Hr	400
O			Total					500

^{*}Non University Examination

11.2. Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table - 27: Scheme for awarding internal assessment: Continuous mode

Theory	
Criteria	Maximum Marks
Attendance (Refer Table – 28)	8
Student – Teacher interaction	2
Total	10
Practical	
Attendance (Refer Table – 28	10
Based on Practical Records, Regular viva voce, etc.	10
Total	20

Table – 28: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	8	10
90 – 94	6	7.5
85 – 89	4	5
80 – 84	2 0	2.5
Less than 80		0

11.2.1. Sessional Exams

Two sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical sessional examinations is given in the table. The average marks of two sessional exams shall be computed for internal assessment as per the requirements given in tables.

12. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of M.Pham. programme if he/she secures at least 50% marks in that particular course including internal assessment.

13. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

14. Improvement of internal assessment

A student shall have the opportunity to improve his/her performance only once in the sessional exam component of the internal assessment. The re-conduct of the sessional exam shall be completed before the commencement of next end semester theory examinations.

15. Reexamination of end semester examinations

Reexamination of end semester examination shall be conducted as per the schedule given in table 29. The exact dates of examinations shall be notified from time to time.

Table - 29: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Condidates
I and III	November / December	May June
II and IV	May / June	Noven ber / December

16. Allowed to keep terms (ATKT):

No student shall be admitted to any examination unless he/she fulfills the norms given in 6. ATKT rules are applicable as follows:

A student shall be eligible to carry forward all the courses of I and IIsemesters till the III semester examinations. However, he/she shall not be eligible to attend the courses of IV semester until all the courses of I, II and III semesters are successfully completed.

A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to IV semesters within the stipulated time period as per the norms.

Note: Grade AB should be considered as failed and treated as one head for deciding ATKT. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

17 Grading of performances

171. Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table - 30.

Table – 30: Letter grades and grade points equivalent to Percentage of marks and performances

		r F	
Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
90.00 - 100	0	10	Outstanding
80.00 - 89.99	Α	9	Excellent
70.00 – 79.99	В	8	Good
60.00 - 69.99	С	7	Fair
50.00 - 59.99	D	6	Average
Less than 50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

18. The Semester grade point average (SGPA)

The performance of a student in a semester is indicated by a number called 'Semester Grade Point Average' (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses (Theory/Practical) in a semester with credits C1, C2, C3 and C4 and the student's grade points in these courses are G1, G2, G3 and G4, respectively, and then students' SGPA is equal to:

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

$$SGPA = \begin{array}{c} C_1G_1 + C_2G_2 + C_3G_3 + C_4* ZERO \\ \\ C_1 + C_2 + C_3 + C_4 \end{array}$$

19. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the IV semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all IV semesters and their courses. The CGPA shall reflect the failed statusin case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passedby obtaining a pass grade on subsequent examination(s) the CGPA

shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$CGPA = \begin{array}{c} C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4 \\ \\ C_1 + C_2 + C_3 + C_4 \end{array}$$

where C_1 , C_2 , C_3 ,... is the total number of credits for semester I,II,III,.... and S_1,S_2 , S_3 ,... is the SGPA of semester I,II,III,.....

20. Declaration of class

The class shall be awarded on the basis of CGPA as follows:

First Class with Distinction = CGPA of. 7.50 and above

First Class = CGPA of 6.00 to 7 49

Second Class = CGPA of 5.00 to > 9.2

21. Project work

All the students shall undertake a project under the supervision of a teacher in Semester III to IV and submit a report. 4 copies of the project report shall be submitted (typed & bound copy not less than 75 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). The projects shall be evaluated as per the criteria given below.

Evaluation of Dissertation Book:

Objective(s) of the work done	50 Marks
Methodology adopted	150 Marks
Results and Discussions	250 Marks
Conclusions and Culcomes	50 Marks

Total 500 Marks

Evaluation of Presentation:

Presentation of work	100 Marks
Communication skills	50 Marks
Question and answer skills	100 Marks

Total 250 Marks

22. Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the M.Pharm program shall not be eligible for award of ranks. Moreover, the candidates should have completed the M. Pharm program in minimum prescribed number of years, (two years) for the award of Ranks.

23. Award of degree

Candidates who fulfill the requirements mentioned above shall be eligible to award of degree during the ensuing convocation.

24. Duration for completion of the program of study

The duration for the completion of the program shall be fix-a as double the actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh Registration.

25. Revaluation I Retotaling of answer papers

There is no provision for revaluation of the answer papers in any examination. However, the candidates can apply for retotaling by paying prescribed fee.

26. Re-admission after break of study

Candidate who seeks re-admission to the program after break of study has to get the approval from the university by paying a condonation fee.