

New Course - B.Pharm - 2016-2017 batch

SCHEME OF INSTRUCTION (SEMESTER SYSTEM)

I/IV B.PHARMACY 1st SEMESTER

Subject Code	Subject	Scheme of Instructions (Periods per Week)				No. of Credits
		L	T	P	Total	
CB101T	Pharmaceutics-I (THEORY)	4	1	0	5	4
CB102T	Pharmaceutical Chemistry-I (Organic-I) (THEORY)	4	1	0	5	4
CB103T	Human Anatomy and Physiology-I (THEORY)	4	0	0	4	4
CB104T	Computer Applications (THEORY) ✓	3	0	0	3	4
CB105T	Integrated Grammar and Communication Skills (THEORY) ✓	2 12)	0	0	2	4
CB106T	Mathematics (THEORY)	2	1	0	3	4
	Biology (THEORY)	1	0	0	1	4
CB107P	Pharmaceutics-I (PRACTICALS)	0	0	6	6	4
CB108P	Pharmaceutical Chemistry - I (Organic-I) (PRACTICALS)	0	0	6	6	4
CB109P	Human Anatomy and Physiology-I (PRACTICALS)	0	0	4	4	4
CB110P	Computer Applications (PRACTICALS) ✓	0	0	2	2	4
CB111P	Biology (PRACTICALS)	0	0	2	2	4
CB112	Assignments (2 x 25) 12)	0	0	0	0	2
	Sports/Cultural/NSS	1	0	0	1	NC
	TOTAL	20 ^{\$} /19 [#]	03 ^{\$} /02 [#]	18 ^{\$} /20 [#]	41	42 ^{\$} /46 [#]



\$ = Applicable ONLY for the Bi.P.C. Students
 # = Applicable ONLY for the M.P.C. Students
 L = Lecture T = Tutorial

P = Practical

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SCHEME OF INSTRUCTION (SEMESTER SYSTEM)

I/IV B.PHARMACY 2nd SEMESTER

Subject Code	Subject	Scheme of Instructions (Periods per Week)				No. of Credits
		L	T	P	Total	
CB201T	Pharmaceutical Analysis-I (THEORY)	4	1	0	5	4
CB202T	Physical Pharmacy-I (THEORY)	4	1	0	5	4
CB203T	Human Anatomy and Physiology-II (THEORY)	4	0	0	4	4
CB204T	Pharmaceutical Chemistry-II (Inorganic) (THEORY)	3	0	0	3	4
CB205T	Professional ethics and human values (THEORY) 121	2	0	0	2	4
CB206T	Soft Skills (THEORY) ✓ 121	2	0	0	2	4
CB207P	Pharmaceutical Analysis-I (PRACTICAL)	0	0	6	6	4
CB208P	Physical Pharmacy-I (PRACTICAL)	0	0	6	6	4
CB209P	Human Anatomy and Physiology-II (PRACTICAL)	0	0	4	4	4
CB210	Assignments 121	0	0	0	0	2
	Sports/Cultural/NSS	1	0	0	1	NC
	TOTAL	20	02	16	38	38

L = Lecture

T = Tutorial

P = Practical



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SCHEME OF INSTRUCTION (SEMESTER SYSTEM)

II/IV B.PHARMACY 3RD SEMESTER

Subject Code	Subject	Scheme of Instructions (Periods per Week)				No. of Credits
		L	T	P	Total	
CB301T	Pharmaceutical Chemistry-III (Organic-II) (THEORY)	4	1	0	5	4
CB302T	Pharmaceutical Microbiology ✓ (THEORY)	4	1	0	5	4
CB303T	Physical Pharmacy - II (THEORY)	4	1	0	5	4
CB304T	Pharmaceutical Jurisprudence (THEORY)	4	1	0	5	4
CB305T	Environmental Sciences (THEORY)	2	0	0	2	4
CB306P	Pharmaceutical Chemistry-III (Organic-II) (PRACTICALS)	0	0	6	6	4
CB307P	Pharmaceutical Microbiology ✓ (PRACTICALS)	0	0	6	6	4
CB308P	Physical Pharmacy - II (PRACTICALS)	0	0	6	6	4
	Sports/Cultural/NSS ✓	1	0	0	1	NC
	TOTAL	19	4	18	41	32

L : Lecture



Tutorial

P : Practical

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SCHEME OF INSTRUCTION (SEMESTER SYSTEM)

II/IV B.PHARMACY 4th SEMESTER

Subject Code	Subject	Scheme of Instructions (Periods per Week)				No. of Credits
		L	T	P	Total	
CB401T	Pharmaceutical Engineering (THEORY)	4	1	0	5	4
CB402T	Biochemistry (THEORY) ✓	4	1	0	5	4
CB403T	Pharmaceutical Chemistry-IV (Medicinal Chemistry -I) (THEORY)	4	1	0	5	4
CB404T	Pharmacology- I (THEORY)	4	1	0	5	4
CB405T	Pathophysiology (THEORY) ✓	4	1	0	5	4
CB406P	Pharmaceutical Engineering (PRACTICALS)	0	0	6	6	4
CB407P	Biochemistry (PRACTICALS)	0	0	6	6	4
	Group Discussion 121	1	0	0	1	NC
	Sports/Cultural/NSS	1	0	0	1	NC
	TOTAL	22	05	12	39	28

L = Lecture

T = Tutorial

P = Practical



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SCHEME OF INSTRUCTION (SEMESTER SYSTEM)

III/IV B.PHARMACY 5TH SEMESTER

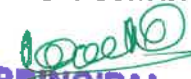
Subject Code	Subject	Scheme of Instructions (Periods per Week)				No. of Credits
		L	T	P	Total	
CB501T	Pharmacognosy-I (THEORY)	4	1	0	5	4
CB502T	Pharmaceutics-II (THEORY)	4	1	0	5	4
CB503T	Pharmaceutical Biotechnology (THEORY)	4	1	0	5	4
CB504T	Pharmacy Practice (THEORY) ✓	4	1	0	5	4
CB505T	Pharmaceutical Quality Assurance (THEORY) ✓ 121	4	1	0	5	4
CB506P	Pharmacognosy - I (PRACTICALS)	0	0	6	6	4
CB507P	Pharmaceutics-II (PRACTICALS)	0	0	6	6	4
	Seminars	1	0	0	1	NC
	Sports/Cultural/NSS	1	0	0	1	NC
	TOTAL	22	05	12	39	28

L : Lecture

T : Tutorial

P : Practical




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SCHEME OF INSTRUCTION (SEMESTER SYSTEM)

III/IV B.PHARMACY 6th SEMESTER

Subject Code	Subject	Scheme of Instructions (Periods per Week)				No. of Credits
		L	T	P	Total	
CB601T	Pharmaceutical Chemistry-V (Medicinal Chemistry-II) (THEORY)	4	1	0	5	4
CB602T	Biopharmaceutics and Pharmacokinetics (THEORY) ✓	4	1	0	5	4
CB603T	Pharmacognosy-II (THEORY)	4	1	0	5	4
CB604T	Social and Preventive Pharmacy (THEORY) ✓	4	1	0	5	4
CB605P	Pharmaceutical Chemistry-V (Medicinal Chemistry-II) (PRACTICALS)	0	0	6	6	4
CB606P	Biopharmaceutics and Pharmacokinetics (PRACTICALS)	0	0	6	6	4
CB607P	Pharmacognosy-II (PRACTICALS)	0	0	6	6	4
	Seminars	1	0	0	1	NC
	Sports / Cultural / NSS	1	0	0	1	NC
	TOTAL	18	04	18	40	28

L = Lecture

T = Tutorial

P = Practical



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SCHEME OF INSTRUCTION (SEMESTER SYSTEM)

IV/IV B.PHARMACY 7TH SEMESTER

Subject Code	Subject	Scheme of Instructions (Periods per Week)				No. of Credits
		L	T	P	Total	
CB701T	Pharmacology-II (THEORY)	4	1	0	5	4
CB702T	Pharmaceutical Analysis-II (THEORY) ✓	4	1	0	5	4
CB703T	Novel Drug Delivery Systems (THEORY) ✓ 121	4	1	0	5	4
CB704T	Herbal Drug Technology (THEORY) ✓	4	1	-	5	4
CB705P	Pharmacology-II (PRACTICALS)	0	0	6	6	4
CB706P	Pharmaceutical Analysis-II (PRACTICALS) ✓	0	0	6	6	4
	Project	0	0	3	3	0
	Entrepreneurship skills/ technical skills ✓	1	0	0	1	NC
	TOTAL	17	04	15	36	24

L = Lecture



T = Tutorial

P = Practical

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SCHEME OF INSTRUCTION (SEMESTER SYSTEM)

IV/IV B.PHARMACY 8th SEMESTER

Subject Code	Subject	Scheme of Instructions (Periods per Week)				No. of Credits
		L	T	P	Total	
CB801T	Biostatistics and Research Methodology (THEORY) ✓	4	1	0	5	4
CB802T	Pharmaceutical Chemistry-VI (Chemistry of Natural Products) (THEORY)	4	1	0	5	4
CB803T	Elective-I (THEORY)	4	1	0	5	4
CB804P	Elective-II (THEORY) ✓	4	1	0	5	4
CB805P	Pharmaceutical Chemistry-VI (Chemistry of Natural Products) (PRACTICALS)	0	0	0	6	4
CB806	Project ✓	12	0	0	12	4
CB807	Practice School ✓	0	0	4	4	4
	TOTAL	28	04	04	42	28

MOOCs Courses: Students shall register for two MOOC courses, one in 7th Semester and the other one in 8th Semester either from the SWAYAM platform (MHRD) or from the university website and to allot four credits for each MOOC (2 X 4 = 8 credits) and submit the marks memorandum to the coordinator of MOOCs - CLPT (Autonomous).



L = Lecture

T = Tutorial

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I/IV B.PHARMACY 1st SEMESTER

Course Code	Name of the course	No. of hrs	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I- (Theory) /	3	1	4
BP102T	Pharmaceutical Analysis I- (Theory) /	3	1	4
BP103T	Pharmaceutics I (Theory) /	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry (Theory) /	3	1	4
BP105T ✓	Communication skills (Theory*)	2	-	2
BP106RBT	Remedial Biology	2	-	2
BP106RMT	Remedial mathematics (Theory*)			
BP107P	Human Anatomy and Physiology-I (Practical) /	4	-	2
BP108P	Pharmaceutical Analysis I- (Practical) /	4	-	2
BP109P	Pharmaceutics I (Practical) ✓	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry (Practical) /	4	-	2
BP111P ✓	Communication Skills (Practical*) ✓	2	-	1
BP112RBP	Remedial Biology (Practical*)	2	-	1
	TOTAL	32/34\$/36#	4	27/29\$/30#

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

\$Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* Non University Examination (NUE)



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I/IV B.PHARMACY 2nd SEMESTER

Course Code	Name of the course	No. of hrs	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II (Theory)	3	1	4
BP202T	Pharmaceutical Organic Chemistry I (Theory)	3	1	4
BP203T	Biochemistry (Theory)	3	1	4
BP204T ✓	Pathophysiology (Theory)	3	1	4
BP205T ✓	Computer Applications in Pharmacy- (Theory*)	3	-	3
BP206T	Environmental Sciences (Theory*)	3	-	3
BP207P	Human Anatomy and Physiology II (Practical)	4	-	2
BP208P	Pharmaceutical Organic Chemistry I (Practical)	4	-	2
BP209P	Biochemistry (Practical)	4	-	2
BP210P ✓	Computer Applications in Pharmacy (Practical*)	2	-	1
TOTAL		32	4	29

*Non University Examination (NUE)




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II/IV B.PHARMACY 3rd SEMESTER

Course Code	Name of the course	No. of hrs	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II (Theory)	3	1	4
BP302T	Physical Pharmaceutics I (Theory)	3	1	4
BP303T	Pharmaceutical Microbiology (Theory)	3	1	4
BP304T	Pharmaceutical Engineering (Theory)	3	1	4
BP305T	Professional Ethics & Human Values * (Theory)	2	-	-
BP305P	Pharmaceutical Organic Chemistry II (Practical)	4	-	2
BP306P	Physical Pharmaceutics I (Practical)	4	-	2
BP307P	Pharmaceutical Microbiology (Practical)	4	-	2
BP308P	Pharmaceutical Engineering (Practical)	4	-	2
TOTAL		30	4	24

(NOTE : * Non-Credit and Non-Semester and Examination Course)

II/IV B.PHARMACY 4th SEMESTER

Course Code	Name of the course	No. of hrs	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III (Theory)	3	1	4
BP402T	Medicinal Chemistry I (Theory)	3	1	4
BP403T	Physical Pharmaceutics II (Theory)	3	1	4
BP404T	Pharmacology I (Theory)	3	1	4
BP405T	Pharmacognosy and Phytochemistry-I (Theory)	3	1	4
BP406P	Medicinal Chemistry I (Practical)	4	-	2
BP407P	Physical Pharmaceutics II (Practical)	4	-	2
BP408P	Pharmacology I (Practical)	4	-	2
BP409P	Pharmacognosy and Phytochemistry I (Practical)	4	-	2
TOTAL		31	5	28



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III/IV B.PHARMACY 5th SEMESTER

Course Code	Name of the course	No. of hrs	Tutorial	Credit points
BP501T	Medicinal Chemistry II (Theory)	3	1	4
BP502T	Industrial Pharmacy I (Theory)	3	1	4
BP503T	Pharmacology I (Theory)	3	1	4
BP504T	Pharmacognosy and Phytochemistry II (Theory)	3	1	4
BP505T	Pharmaceutical Jurisprudence (Theory)	3	1	4
BP506P	Industrial Pharmacy I (Practical)	4	-	2
BP507P	Pharmacology II (Practical)	4	-	2
BP508P	Pharmacognosy and Phytochemistry II (Practical)	4	-	2
TOTAL		27	5	26

III/IV B.PHARMACY 6th SEMESTER

Course Code	Name of the course	No. of hrs	Tutorial	Credit points
BP601T	Medicinal Chemistry III (Theory)	3	1	4
BP602T	Pharmacology III (Theory)	3	1	4
BP603T	Herbal Drug Technology (Theory)	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics (Theory)	3	1	4
BP605T	Pharmaceutical Biotechnology (Theory)	3	1	4
BP606T	Quality Assurance (Theory)	3	1	4
BP607P	Medicinal Chemistry III (Practical)	4	-	2
BP608P	Pharmacology III (Practical)	4	-	2
BP609P	Herbal Drug Technology (Practical)	4	-	2
TOTAL		30	6	30



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IV/IV B.PHARMACY 7th SEMESTER

Course Code	Name of the course	No. of hrs	Tutorial	Credit points
BP701T ✓	Instrumental Methods of Analysis (Theory)	3	1	4
BP702T ✓	Industrial Pharmacy II (Theory)	3	1	4
BP703T ✓	Pharmacy Practice (Theory)	3	1	4
BP704T ✓	Novel Drug Delivery System (Theory)	3	1	4
BP705P ✓	Instrumental Methods of Analysis (Practical)	4	-	2
BP706PS ✓	Practical School*	12	-	6
	TOTAL	28	5	24

IV/IV B.PHARMACY 8th SEMESTER

Course Code	Name of the course	No. of hrs	Tutorial	Credit points
BP801T ✓	Biostatistics and Research Methodology	3	1	4
BP802T ✓	Social and Preventive Pharmacy	3	1	4
BP803ET	Pharma marketing Management	3 + 3 = 6	1 + 1 = 2	4 + 4 = 8
BP804ET ✓	Pharmaceutical Regulatory Science			
BP805ET ✓	Pharmacovigilance			
BP806ET ✓	Quality Control and Standardization of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET ✓	Experimental Pharmacology			
BP811ET ✓	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813PW ✓	Project Work	12	-	6
	TOTAL	24	4	22



New Courses - H. Pharmacy

Academic Rules & Regulations (w.e.f. 2016-2017) - M.Pharmacy

SCHEME OF INSTRUCTION (PHARMACEUTICS)

I/II M.PHARMACY SEMESTER- I

Subject Code	Theory / Practical	No. of hours /week	No. of Credits
CM101T	Modern Analytical Techniques (Common Paper for all specializations (THEORY)) VAD	04	04
CM102T	Advanced Pharmaceutical Technology (THEORY)	04	04
CM103T	Industrial Pharmacy (THEORY)	04	04
CM104ET	Elective - I	04	04
CM105P	Modern Analytical Techniques (Common Paper for all Specializations (PRACTICAL)) VAD	06	03
CM106P	Advanced Pharmaceutical Technology (PRACTICAL)	06	03
CM107	Seminars 36 H VAD	02	02
CM108	Comprehensive Viva	--	02
CM109	Journal Club 36 VAD	02	02
CM110	Soft Skills 36 VAD	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30
I/II M.PHARMACY SEMESTER - II			
CM111T	Intellectual Property Rights and Drug Regulatory Affairs (Common Paper for all specializations (THEORY))	04	04
CM112T	Advances in Drug Delivery Systems (THEORY)	04	04
CM113T	Advanced Biopharmaceutics and Pharmacokinetics (THEORY)	04	04
CM114ET	Elective - II	04	03
CM115P	Advances in Drug Delivery Systems (PRACTICAL)	06	03
CM116P	Advanced Biopharmaceutics and Pharmacokinetics (PRACTICAL)	06	02
CM117	Seminars 36 VAD	02	02
CM118	Comprehensive Viva 36 VAD	--	02
CM119	Journal Club 36 VAD	02	02
CM120	Interview Skills 36 VAD	02	02
	Sports / Cultural	01	NC
	TOTAL	35	28



M. Pharmacy - Block B

CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES

GUNTUR - 522 034, Andhra Pradesh, INDIA

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Nagarjuna Nagar, Guntur - 522 510, INDIA)



S.No. **1000309**

MEMORANDUM OF GRADE & MARKS



M.Pharmacy (Pharmaceutics) Degree Examination

3rd and 4th Semester, July-2018

Student Name : **CHALLA SIREESHA**

Father Name : **CHALLA SANJEEVA REDDY**

Hall Ticket No. : **Y16MPHPC402**

Branch : **M.Pharmacy (Pharmaceutics)**

Academic Year : **2017-2018**

Batch : **2016-2018**



S.No.	Course Code	Name of the Course	Credits	Grade	Grade Points	Credit Points
1	CM 121	PROJECT SEMINAR - I	2	O	9.20	18.40
2	CM 122	THESIS EVALUATION - I	2	O	9.20	18.40
3	CM 123	PROJECT SEMINAR - II	2	O	9.00	18.00
4	CM 125	DEFENCE VIVA-VOCE	2	A	8.60	17.20
5	CM 126	RESEARCH / REVIEW ARTICLE	2	O	9.40	18.80
6	CM 124	THESIS EVALUATION - II	6	A	8.50	51.00
Total :			16.00			141.80

Grade	O	A	B	C	D	E	F	AB
Grade Points	9.0-10	8.0-8.9	7.0-7.9	6.0-6.9	5.0-5.9	4.0-4.9	0.00	0.00
% of Marks	90.00-100	80.00-89.99	70.00-79.99	60.00-69.99	50.00-59.99	40.00-49.99	Less Than 40 (Fail)	Absent

Calculation of Credit Points : Subject Credits x Grade Points

$$SGPA = \frac{\text{Total Credit Points (for all courses passed in that semester)}}{\text{Total Subject Credit (for all courses registered in that semester)}} \quad SGPA : 8.86$$

$$CGPA = \frac{\text{Total Credit Points (for all courses passed upto that semester)}}{\text{Total Subject Credit (for all courses registered until that semester)}} \quad CGPA : 8.34$$

Legend : Marks obtained in subject = Grade Points x 10

Percentage of Marks = CGPA x 10

Note : Any discrepancy in the above entries (or) between results published and the grades noted above must be brought to the notice of the Controller of Examinations immediately.



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Controller of Examinations
Controller of Examinations
Chalapati Institute of Pharmaceutical Sciences
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New Courses M. Pharmacy

Academic Rules & Regulations (w.e.f. 2016-2017) - M.Pharmacy

SCHEME OF INSTRUCTION (INDUSTRIAL PHARMACY)

I/II M.PHARMACY SEMESTER- I

Subject Code	Theory / Practical	No. of hours /week	No. of Credits
CM101T	Modern Analytical Techniques (Common Paper for all specializations (THEORY))	04	04
CM401T	Advanced Pharmaceutical Technology (THEORY)	04	04
CM402T	Advanced Industrial Pharmacy (THEORY)	04	04
CM104ET	Elective - I	04	04
CM105P	Modern Analytical Techniques (Common Paper for all Specializations (PRACTICAL))	06	03
CM403P	Advanced Pharmaceutical Technology (PRACTICAL)	06	03
CM404	Seminars VAD	02	02
CM405	Comprehensive Viva VAD	--	02
CM406	Journal Club VAD	02	02
CM407	Soft Skills VAD	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30
I/II M.PHARMACY SEMESTER- II			
CM111T	Intellectual Property Rights and Drug Regulatory Affairs (Common Paper for all specializations (THEORY))	04	04
CM408T	Pharmaceutical Biotechnology (THEORY)	04	04
CM409T	Advances in Drug Delivery Systems (THEORY)	04	04
CM114ET	Elective - II	04	04
CM410P	Pharmaceutical Biotechnology (PRACTICAL)	06	03
CM411P	Advances in drug delivery systems (PRACTICAL)	06	03
CM412	Seminars VAD	02	02
CM413	Comprehensive Viva VAD	--	02
CM414	Journal Club VAD	02	02
CM415	Interview Skills VAD	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30

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Principals
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CHALAPATHI INSTITUTE OF PHARMACEUTICAL SCIENCES

GUNTUR - 522 034, Andhra Pradesh, INDIA

(An Autonomous Institution in the Jurisdiction of Acharya Nagarjuna University,
Nagarjuna Nagar, Guntur - 522 510, INDIA)



Sl.No. **1000283**

MEMORANDUM OF GRADE & MARKS



M.Pharmacy (Industrial Pharmacy) Degree Examination

3rd and 4th Semester, July-2018

Student Name : **INAPAKOLLA AMAR SANDEEP**



Father Name : **INAPAKOLLA RAMACHANDRA RAO**

Hall Ticket No. : **Y16MPHIP481**

Branch : **M.Pharmacy (Industrial Pharmacy)**

Academic Year : **2017-2018**

Batch : **2016-2018**

S.No.	Course Code	Name of the Course	Credits	Grade	Grade Points	Credit Points
1	CM 416	PROJECT SEMINAR - I	2	O	9.60	19.20
2	CM 417	THESIS EVALUATION - I	2	O	9.00	18.00
3	CM 418	PROJECT SEMINAR - II	2	O	9.20	18.40
4	CM 420	DEFENCE VIVA-VOCE	2	A	8.60	17.20
5	CM 421	RESEARCH / REVIEW ARTICLE	2	O	9.60	19.20
6	CM 419	THESIS EVALUATION - II	6	A	8.50	51.00
Total :			16.00			143.00

Grade	O	A	B	C	D	E	F	AB
Grade Points	9.0-10	8.0-8.9	7.0-7.9	6.0-6.9	5.0-5.9	4.0-4.9	0.00	0.00
% of Marks	90.00-100	80.00-89.99	70.00-79.99	60.00-69.99	50.00-59.99	40.00-49.99	Less Than 40 (Fail)	Absent

Calculation of Credit Points : Subject Credits x Grade Points

$$SGPA = \frac{\text{Total Credit Points (for all courses passed in that semester)}}{\text{Total Subject Credit (for all courses registered in that semester)}}$$

SGPA : **8.94**

$$CGPA = \frac{\text{Total Credit Points (for all courses passed upto that semester)}}{\text{Total Subject Credit (for all courses registered until that semester)}}$$

CGPA : **8.77**

Legend : Marks obtained in subject = Grade Points x 10
Percentage of Marks = CGPA x 10

Note : Any discrepancy in the above entries (or) between results published and the grades noted above must be brought to the notice of the Controller of Examinations immediately.



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New Courses - H. Pharmacy

Academic Rules & Regulations (w.e.f. 2016-2017) - M.Pharmacy

SCHEME OF INSTRUCTION (PHARMACOLOGY)

I/II M.PHARMACY SEMESTER-I

Subject Code	Theory / Practical	No. of hours /week	No. of Credits
CM101T	Modern Analytical Techniques (Common Paper for all specializations (THEORY))	04	04
CM301T	Advanced Pharmacology-I (THEORY)	04	04
CM302T	Clinical Pharmacy & Therapeutics (THEORY) VAD	04	04
CM104ET	Elective - I	04	04
CM105P	Modern Analytical Techniques (Common Paper for all Specializations (PRACTICAL))	06	03
CM303P	Advanced Pharmacology-I (PRACTICAL)	06	03
CM304	Seminars VAD	02	02
CM305	Comprehensive Viva VAD	--	02
CM306	Journal Club VAD	02	02
CM307	Soft Skills VAD	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30
I/II M.PHARMACY SEMESTER- II			
CM111T	Intellectual Property Rights and Drug Regulatory Affairs (Common Paper for all specializations (THEORY))	04	04
CM308T	Advanced Pharmacology-II (THEORY)	04	04
CM309T	Screening methods in Pharmacology VAD (THEORY)	04	04
CM114ET	Elective - II	04	04
CM310P	Advanced Pharmacology-II (PRACTICAL)	06	03
CM311P	Screening methods in Pharmacology VAD (PRACTICAL)	06	03
CM312	Seminars VAD	02	02
CM313	Comprehensive Viva VAD	--	02
CM314	Journal Club VAD	02	02
CM315	Interview Skills VAD	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30



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No. 1000318

MEMORANDUM OF GRADE & MARKS



M.Pharmacy (Pharmacology) Degree Examination

3rd and 4th Semester, July-2018

Student Name : **BATHULA ANJALI**

Father Name : **BATHULA SINGARAI AH**

Hall Ticket No. : **Y16MPHPY441**



Branch : **M.Pharmacy (Pharmacology)**

Academic Year : **2017-2018**

Batch : **2016-2018**

No.	Course Code	Name of the Course	Credits	Grade	Grade Points	Credit Points
1	CM 316	PROJECT SEMINAR - I	2	A	8.20	16.40
2	CM 317	THESIS EVALUATION - I	2	A	8.00	16.00
3	CM 318	PROJECT SEMINAR - II	2	A	8.60	17.20
4	CM 320	DEFENCE VIVA-VOCE	2	A	8.00	16.00
5	CM 321	RESEARCH / REVIEW ARTICLE	2	A	8.00	16.00
6	CM 319	THESIS EVALUATION - II	6	A	8.80	52.80
Total :			16.00			134.40

Grade	O	A	B	C	D	E	F	AB
Grade Points	9.0-10	8.0-8.9	7.0-7.9	6.0-6.9	5.0-5.9	4.0-4.9	0.00	0.00
of Marks	90.00-100	80.00-89.99	70.00-79.99	60.00-69.99	50.00-59.99	40.00-49.99	Less Than 40 (Fail)	Absent

Calculation of Credit Points : Subject Credits x Grade Points

$$SGPA = \frac{\text{Total Credit Points (for all courses passed in that semester)}}{\text{Total Subject Credit (for all courses registered in that semester)}} \quad SGPA : 8.40$$

$$CGPA = \frac{\text{Total Credit Points (for all courses passed upto that semester)}}{\text{Total Subject Credit (for all courses registered until that semester)}} \quad CGPA : 7.89$$

Grade : Marks obtained in subject = Grade Points x 10

Percentage of Marks = CGPA x 10

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New Course - H. Pharmacy

Academic Rules & Regulations (w.e.f. 2016-2017) - M.Pharmacy
SCHEME OF INSTRUCTION (PHARMACEUTICAL ANALYSIS)
I/II M.PHARMACY SEMESTER- I

Subject Code	Theory / Practical	No. of hours / week	No. of Credits
CM101T	Modern Analytical Techniques (Common Paper for all specializations (THEORY))	04	04
CM201T	Quality Control and Quality Assurance (THEORY) VAD	04	04
CM202T	Biological Standardization (THEORY)	04	04
CM104ET	Elective - I	04	04
CM105P	Modern Analytical Techniques (Common Paper for all Specializations (PRACTICAL))	06	03
CM203P	Quality Control and Quality Assurance (PRACTICAL) VAD	06	03
CM204	Seminars VAD	02	02
CM205	Comprehensive Viva VAD	--	02
CM206	Journal Club VAD	02	02
CM207	Soft Skills VAD	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30
I/II M.PHARMACY SEMESTER- II			
CM111T	Intellectual Property Rights and Drug Regulatory Affairs (Common Paper for all specializations (THEORY))	04	04
CM208T	Advanced Pharmaceutical Analysis (THEORY)	04	04
CM209T	Validation & Documentation (THEORY) VAD	04	04
CM114ET	Elective - II	04	04
CM210P	Advanced Pharmaceutical Analysis (PRACTICAL)	06	03
CM211P	Validation & Documentation (PRACTICAL) VAD	06	03
CM212	Seminars VAD	02	02
CM213	Comprehensive Viva VAD	--	02
CM214	Journal Club VAD	02	02
CM215	Interview Skills VAD	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30




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1000284

MEMORANDUM OF GRADE & MARKS



M.Pharmacy (Pharmaceutical Analysis) Degree Examination

3rd and 4th Semester, July-2018

Student Name : APURUPA BELLAMKONDA

Father Name : B. RAMAKOTESWARA RAO

Hall Ticket No. : Y16MPHPA421



Branch : M.Pharmacy (Pharmaceutical Analysis)

Academic Year : 2017-2018

Batch : 2016-2018

No.	Course Code	Name of the Course	Credits	Grade	Grade Points	Credit Points
1	CM 216	PROJECT SEMINAR - I	2	A	8.00	16.00
2	CM 217	THESIS EVALUATION - I	2	A	8.40	16.80
3	CM 218	PROJECT SEMINAR - II	2	A	8.20	16.40
4	CM 220	DEFENCE VIVA-VOCE	2	B	7.60	15.20
5	CM 221	RESEARCH / REVIEW ARTICLE	2	A	8.40	16.80
6	CM 219	THESIS EVALUATION - II	6	A	8.70	52.20
Total :			16.00			133.40

Grade	O	A	B	C	D	E	F	AB
Grade Points	9.0-10	8.0-8.9	7.0-7.9	6.0-6.9	5.0-5.9	4.0-4.9	0.00	0.00
% of Marks	90.00-100	80.00-89.99	70.00-79.99	60.00-69.99	50.00-59.99	40.00-49.99	Less Than 40 (Fail)	Absent

Calculation of Credit Points : Subject Credits x Grade Points

$$\text{SGPA} = \frac{\text{Total Credit Points (for all courses passed in that semester)}}{\text{Total Subject Credit (for all courses registered in that semester)}} \quad \text{SGPA : 8.34}$$

$$\text{CGPA} = \frac{\text{Total Credit Points (for all courses passed upto that semester)}}{\text{Total Subject Credit (for all courses registered until that semester)}} \quad \text{CGPA : 7.72}$$

Legend : Marks obtained in subject = Grade Points x 10
Percentage of Marks = CGPA x 10

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New - Course - M. Pharmacy

Academic Rules & Regulations (w.e.f. 2016-2017) - M.Pharmacy
SCHEME OF INSTRUCTION (PHARMACEUTICAL MANAGEMENT & REGULATORY AFFAIRS)
I/II M.PHARMACY SEMESTER- I

Subject Code	Theory / Practical	No. of hours /week	No. of Credits
CM101T	Modern Analytical Techniques (Common Paper for all specializations (THEORY))	04	04
CM501T	Pharmaceutical Quality Assurance (THEORY)	04	04
CM502T	Pharmaceutical Production & Management (THEORY)	04	04
CM104ET	Elective - I	04	04
CM105P	Modern Analytical Techniques (Common Paper for all Specializations (PRACTICAL))	06	03
CM503P	Pharmaceutical Quality Assurance (PRACTICAL)	06	03
CM504	Seminars	02	02
CM505	Comprehensive Viva	--	02
CM506	Journal Club	02	02
CM507	Soft Skills	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30
I/II M.PHARMACY SEMESTER- II			
CM111T	Intellectual Property Rights and Drug Regulatory Affairs (Common Paper for all specializations (THEORY))	04	04
CM508T	International Regulatory Affairs (THEORY)	04	04
CM509T	Validation & Documentation (THEORY)	04	04
CM114ET	Elective - II	04	04
CM510P	International Regulatory Affairs (PRACTICAL)	06	03
CM511P	Validation & Documentation (PRACTICAL)	06	03
CM512	Seminars	02	02
CM513	Comprehensive Viva	--	02
CM514	Journal Club	02	02
CM515	Interview Skills	02	02
	Sports / Cultural	01	NC
	TOTAL	35	30



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No. **1000298**

MEMORANDUM OF GRADE & MARKS



M.Pharmacy (Pharmaceutical Management & Regulatory Affairs) Degree Examination
3rd and 4th Semester, July-2018

Student Name : **BURADAGUNTA KRANTHI KUMAR**

Father Name : **BURADAGUNTA VENKAT RAO**

Hall Ticket No. : **Y16MPHRA461**



Branch : **M.Pharmacy (Pharmaceutical Management & Regulatory Affairs)**

Academic Year : **2017-2018**

Batch : **2016-2018**

No.	Course Code	Name of the Course	Credits	Grade	Grade Points	Credit Points
1	CM 516	PROJECT SEMINAR - I	2	A	8.00	16.00
2	CM 517	THESIS EVALUATION - I	2	A	8.20	16.40
3	CM 518	PROJECT SEMINAR - II	2	A	8.20	16.40
4	CM 520	DEFENCE VIVA-VOCE	2	B	7.60	15.20
5	CM 521	RESEARCH / REVIEW ARTICLE	2	A	8.00	16.00
6	CM 519	THESIS EVALUATION - II	6	B	7.90	47.40
Total :			16.00			127.40

Grade	O	A	B	C	D	E	F	AB
Grade Points	9.0-10	8.0-8.9	7.0-7.9	6.0-6.9	5.0-5.9	4.0-4.9	0.00	0.00
No. of Marks	90.00-100	80.00-89.99	70.00-79.99	60.00-69.99	50.00-59.99	40.00-49.99	Less Than 40 (Fail)	Absent

Calculation of Credit Points : Subject Credits x Grade Points

$$SGPA = \frac{\text{Total Credit Points (for all courses passed in that semester)}}{\text{Total Subject Credit (for all courses registered in that semester)}}$$

SGPA : **7.96**

$$CGPA = \frac{\text{Total Credit Points (for all courses passed upto that semester)}}{\text{Total Subject Credit (for all courses registered until that semester)}}$$

CGPA : **8.05**

Legend : Marks obtained in subject = Grade Points x 10

Percentage of Marks = CGPA x 10

Note : Any discrepancy in the above entries (or) between results published and the grades noted above must be brought to the notice of the Controller of Examinations immediately.



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

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester I					
MPH101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPH102T	Drug Delivery System	4	4	4	100
MPH103T	Modern Pharmaceutics	4	4	4	100
MPH104T	Regulatory Affair	4	4	4	100
MPH105P	Pharmaceutics Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	4	4	100
MPH202T	Advanced Biopharmaceutics & Pharmacokinetics	4	4	4	100
MPH203T	Computer Aided Drug Delivery System	4	4	4	100
MPH204T	Cosmetic and Cosmeceuticals	4	4	4	100
MPH205P	Pharmaceutics Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650





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

Course Code	Course	Credit Hours	Credit Points	Hrs/ Week	Marks
Semester 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	100
MIP104T	Intellectual Property Rights	4	4	4	100
MIP105P	Industrial Pharmacy Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester 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	Entrepreneurship Management	4	4	4	100
MIP205P	Industrial Pharmacy Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



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

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester I					
MPC101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPC102T	Advanced Organic Chemistry	4	4	4	100
MPC103T	Advanced Medicinal Chemistry	4	4	4	100
MPC104T	Chemistry of Natural Products	4	4	4	100
MPC105P	Pharmaceutical Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPC201T	Advanced Spectral Analysis	4	4	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 Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



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

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester 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
Semester II					
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		35	26	35	650




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

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester 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	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MQA201T	Hazards and Safety Management	4	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/Assignment	7	4	7	100
Total		35	26	35	650



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

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester I					
MRA101T	Good Regulatory Practice	4	4	4	100
MRA102T	Documentation and Regulatory Writing	4	4	4	100
MRA103T	Clinical Research Regulations	4	4	4	100
MRA104T	Regulation and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, and Food & Nutraceuticals in India and Intellectual Property Rights	4	4	4	100
MRA105P	Regulatory Affairs Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MRA201T	Regulatory Aspects of Drugs & Cosmetics	4	4	4	100
MRA202T	Regulatory Aspects of Herbal & Biologicals	4	4	4	100
MRA203T	Regulatory Aspects of Medical Devices	4	4	4	100
MRA204T	Regulatory Aspects of Food & Nutraceuticals	4	4	4	100
MRA205P	Regulatory Affairs Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



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

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester I					
MPB101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPB102T	Microbial and Cellular Biology	4	4	4	100
MPB103T	Bioprocess Engineering and Technology	4	4	4	100
MPB104T	Advanced Pharmaceutical Biotechnology	4	4	4	100
MPB105P	Pharmaceutical Biotechnology Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPB201T	Proteins and protein Formulation	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 Biotechnology Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



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

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester I					
MPP101T	Clinical Pharmacy Practice	4	4	4	100
MPP102T	Pharmacotherapeutics-I	4	4	4	100
MPP103T	Hospital & Community Pharmacy	4	4	4	100
MPP104T	Clinical Research	4	4	4	100
MPP105P	Pharmacy Practice Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPP201T	Principles of Quality use of Medicines	4	4	4	100
MPP202T	Pharmacotherapeutics II	4	4	4	100
MPP203T	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	4	4	4	100
MPP204T	Pharmacoepidemiology & Pharmacoeconomics	4	4	4	100
MPP205P	Pharmacy Practice Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



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Table - 10: Course of study for M. Pharm. (Pharmacology)

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester I					
MPL101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPL102T	Advanced Pharmacology-I	4	4	4	100
MPL103T	Pharmacological and Toxicological Screening Methods-I	4	4	4	100
MPL104T	Cellular and Molecular Pharmacology	4	4	4	100
MPL105P	Pharmacology Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
Semester II					
MPL201T	Advanced Pharmacology II	4	4	4	100
MPL202T	Pharmacological and Toxicological Screening Methods	4	4	4	100
MPL203T	Principles of Drug Discovery	4	4	4	100
MPL204T	Experimental Pharmacology Practical - II	4	4	4	100
MPL205P	Pharmacology Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



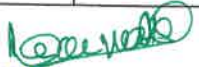

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Table - 11: Course of study for M. Pharm. (Pharmacognosy)

Course Code	Course	Credit Hours	Credit Points	Hrs./ Week	Marks
Semester I					
MPG101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPG102T	Advanced Pharmacognosy - I	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	35	650
Semester II					
MPG201T	Medicinal biotechnology	4	4	4	100
MPG202T	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	35	650



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**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	Credit Hours	Credit Points
-	Journal Club	1	1
-	Research Work	31	16
-	Discussion/Final Presentation	3	3
Total		35	20

**Table - 14: Semester wise credits distribution
Semester Credit Points**

I	26
II	26
III	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 Points 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 Programs (related to the specialization of the student)	01
Participation in international Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	02
Academic Award/Research Award from State Level/National Agencies	01
Academic Award/Research Award from International 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 M.Pharmacy specialization and four student representatives (two from each academic year), nominated by the Head of the institution.
3. 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.



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- 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 sessional exam 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 course through semesters I to IV shall be conducted 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 college level and the marks/grades shall be submitted to the university.

11.2. Students should register for two MOOC courses, which shall not be less than three months duation, one in II Semester and the other in III Semester either from the SWAYAM platform (MHRD) or from the University website (list of courses identified by the concerned Department) and to allot 4 credits for each MOOC (2 x 4 = 8 credits) and submit the marks to the Controller of Examinations, ANU through the Head of the Department for incorporating the same in Marks Memo and Consolidated Marks Memo (CML)

11.3. Students be permitted to opt more than one MOOC course II and III Semesters of the M.Pharm. course WITHOUT credits but the particulars of the course(s) completed by such students be printed in the marks lists and CML respectively.





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**Tables - 16 : Schemes for internal assessments and end semester
(Pharmaceutics - MPH)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPH101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPH102T	Drug Delivery System	10	15	1 Hr	25	75	3 Hrs	100
MPH103T	Modern Pharmaceutics	10	15	1 Hr	25	75	3 Hrs	100
MPH104T	Regulatory Affairs	10	15	1 Hr	25	75	3 Hrs	100
MPH105P	Pharmaceutics Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	10	15	1 Hr	25	75	3 Hrs	100
MPH202T	Advanced Biopharmaceutics & Pharmacokinetics	10	15	1 Hr	25	75	3 Hrs	100
MPH203T	Computer Aided Drug Delivery System	10	15	1 Hr	25	75	3 Hrs	100
MPH204T	Cosmetic & Cosmeceuticals	10	15	1 Hr	25	75	3 Hrs	100
MPH205P	Pharmaceutics Practical - I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650




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**Tables - 17 : Schemes for internal assessments and end semester
(Industrial Pharmacy - MIP)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Conti nuous Mode	Sessional Exams		Tot al	Mar ks	Dura tion	
			Mar ks	Dura tion				
SEMESTER I								
MIP101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MIP102T	Pharmaceutical Formulation Development	10	15	1 Hr	25	75	3 Hrs	100
MIP103T	Novel drug delivery systems	10	15	1 Hr	25	75	3 Hrs	100
MIP104T	Intellectual Property Rights	10	15	1 Hr	25	75	3 Hrs	100
MIP105P	Industrial Pharmacy Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MIP201T	Advanced Biopharmaceutics & Pharmacokinetics	10	15	1 Hr	25	75	3 Hrs	100
MIP202T	Scale up and Technology Transfer	10	15	1 Hr	25	75	3 Hrs	100
MIP203T	Pharmaceutical Production Technology	10	15	1 Hr	25	75	3 Hrs	100
MIP204T	Entrepreneurship Management	10	15	1 Hr	25	75	3 Hrs	100
MIP205P	Industrial Pharmacy Practical - II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



**Tables - 18 : Schemes for internal assessments and end semester
(Pharmaceutical Chemistry- MPC)**

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



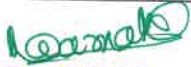
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**Tables - 19 : Schemes for internal assessments and end semester
(Pharmaceutical Analysis - MPA)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Conti nuous Mode	Sessional Exams		Tot al	Mar ks	Dura tion	
			Mar ks	Dura tion				
SEMESTER I								
MPA101T	Modern Pharma ceutical Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA102T	Advanced Pharma ceutical Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA103T	Pharmaceutical Validation	10	15	1 Hr	25	75	3 Hrs	100
MPA104T	Food Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA105P	Pharmaceutical Analysis I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPA201T	Advanced Instrumental Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA202T	Modern Bio- Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPA203T	Quality Control & Quality Assurance	10	15	1 Hr	25	75	3 Hrs	100
MPA204T	Herbal & Cosmetic Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA205P	Pharmaceutical Analysis - II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650




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

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
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 & 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
Total								650
SEMESTER II								
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 and 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
Total								650



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

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MRA101T	Good Pharmaceutical Practices	10	15	1 Hr	25	75	3 Hrs	100
MRA102T	Documentation and Regulatory Writing	10	15	1 Hr	25	75	3 Hrs	100
MRA103T	Clinical Research Regulations	10	15	1 Hr	25	75	3 Hrs	100
MRA104T	Regulations and Legislation for Drugs & Cosmetics Medical Devices Biologicals and Herbals, and Food and Intellectual Property Rights	10	15	1 Hr	25	75	3 Hrs	100
MRA105P	Pharmaceutical Regulatory Affairs Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MRA201T	Regulatory Aspects of Drugs and Cosmetics	10	15	1 Hr	25	75	3 Hrs	100
MRA202T	Regulatory Aspects of Herbal and Biologicals	10	15	1 Hr	25	75	3 Hrs	100
MRA203T	Regulatory Aspects of Medical Devices	10	15	1 Hr	25	75	3 Hrs	100
MRA204T	Regulatory Aspects Food and Nutraceuticals	10	15	1 Hr	25	75	3 Hrs	100
MRA205P	Pharmaceutical Regulatory Affairs Practical - II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



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

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Conti nuous Mode	Sessional Exams		Tot al	Mar ks	Dura tion	
			Mar ks	Dura tion				
SEMESTER I								
MPB101T	Modern Pharmaceu tical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPB102T	Microbial and 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
Total								650
SEMESTER II								
MPB201T	Proteins & Protein 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 of Drug Therapy	10	15	1 Hr	25	75	3 Hrs	100
MPB205P	Pharmaceutical Biotechnology Practical - II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



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

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPP101T	Clinical Pharmacy Practice	10	15	1 Hr	25	75	3 Hrs	100
MPP102T	Pharmaco-therapeutics - 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 Practice Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPP201T	Principles of Quality use of Medicines	10	15	1 Hr	25	75	3 Hrs	100
MPP202T	Pharmacotherapeutics - II	10	15	1 Hr	25	75	3 Hrs	100
MPP203T	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	10	15	1 Hr	25	75	3 Hrs	100
MPP204T	Pharmacoeptide miology & Pharmacoeconomics	10	15	1 Hr	25	75	3 Hrs	100
MPP205P	Pharmacy Practice Practical - II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



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

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPL101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPL102T	Advanced Pharmacology - I	10	15	1 Hr	25	75	3 Hrs	100
MPL103T	Pharmacological and Toxicological Screening Methods - I	10	15	1 Hr	25	75	3 Hrs	100
MPL104T	Cellular and Molecular Pharmacology	10	15	1 Hr	25	75	3 Hrs	100
MPL105P	Experimental Pharmacology - I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPL201T	Advanced Pharmacology - II	10	15	1 Hr	25	75	3 Hrs	100
MPL202T	Pharmacological and Toxicological Screening Methods - II	10	15	1 Hr	25	75	3 Hrs	100
MPL203T	Principles of Drug Discovery	10	15	1 Hr	25	75	3 Hrs	100
MPL204T	Clinical research & pharmacovigilance	10	15	1 Hr	25	75	3 Hrs	100
MPL205P	Experimental Pharmacology - II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



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

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPG101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPG102T	Advanced Pharmacognosy - I	10	15	1 Hr	25	75	3 Hrs	100
MPG103T	Phytochemistry	10	15	1 Hr	25	75	3 Hrs	100
MPG104T	Industrial Pharmacognostical Technology	10	15	1 Hr	25	75	3 Hrs	100
MPG105P	Pharmacognosy Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPG201T	Medicinal Plant biotechnology	10	15	1 Hr	25	75	3 Hrs	100
MPG202T	Advanced Pharmacognosy - II	10	15	1 Hr	25	75	3 Hrs	100
MPG203T	Indian system of Medicine	10	15	1 Hr	25	75	3 Hrs	100
MPG204T	Herbal Cosmetics	10	15	1 Hr	25	75	3 Hrs	100
MPG205P	Pharmacognosy Practical - II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



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

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Conti nuous Mode	Sessional Exams		Tot al	Mar ks	Dura tion	
			Mar ks	Dura tion				
SEMESTER III								
MRM301T	Research Methodology and Biostatistics*	10	15	1 Hr	25	75	3 Hrs	100
-	Journal club	-	-	-	25	-	-	25
-	Discussion/ Presentation (Proposal Presentation)	-	-	-	75	-	-	75
	Research work*	-	-	-	-	350	1 Hr	350
Total								525
SEMESTER IV								
-	Journal club	-	-	-	25	-	-	25
-	Discussion/ Presentation (Proposal Presentation)	-	-	-	75	-	-	75
	Research work and Collogium -	-	-	-	400	1 Hr		400
Total								500



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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	2.5
Less than 80	0	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.Pharm. 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.



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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 Candidates
I and III	November / December	May / June
II and IV	May / June	November / 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 II semesters 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:

17.1. 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.





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

Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
90.00 - 100	O	10	Outstanding
80.00 - 89.99	A	9	Excellent
70.00 - 79.99	B	8	Good
60.00 - 69.99	C	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:

$$SGPA = \frac{C1G1 + C2G2 + C3G3 + C4G4}{C1 + C2 + C3 + C4}$$

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:

$$SGPA = \frac{C1G1 + C2G2 + C3G3 + C4 * ZERO}{C1 + C2 + C3 + C4}$$

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 status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by 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:

$$\text{CGPA} = \frac{C1S1 + C2S2 + C3S3 + C4S4}{C1 + C2 + C3 + C4}$$

where C1, C2, C3,.... is the total number of credits for semester I,II,III,.... and S1,S2, S3,....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 5.99

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 Outcomes	50 Marks
Total	500 Marks

Presentation of work	100 Marks
Communication skills	50 Marks
Question and answer skills	100 Marks
Total	250 Marks



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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 for 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 fixed 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.

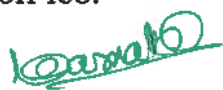
25. Revaluation I Retotaling of answer papers:

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.




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