

SRM UNIVERSITY
SRM COLLEGE OF PHARMACY
B.PHARMACY
(FOUR YEARS – COURSE)

FIRST YEAR
Semester – 1

1	RPHS 111	Biostatistics and Computer Applications - I	-	Theory
2	RPHC 112	Pharmaceutical Organic Chemistry – I	-	Theory
3	RPHC 113	Pharmaceutical Organic Chemistry – I	-	Practical
4	RPHC 114	Pharmaceutical Inorganic Chemistry	-	Theory
5	RPHC 115	Pharmaceutical Inorganic Chemistry	-	Practical
6	RPHA 116	Pharmaceutical Analysis – I	-	Theory
7	RPHA 117	Pharmaceutical Analysis – I	-	Practical
8	RPHL 118	Human Anatomy and Physiology – I	-	Theory
9	RPHL 119	Human Anatomy and Physiology – I	-	Practical

Semester - 2

1	RPHS 121	Biostatistics and Computer Applications - II	-	Theory
2	RPHP 122	Physical Pharmaceutics-I	-	Theory
3	RPHP 123	Physical Pharmaceutics-I	-	Practical
4	RPHC 124	Pharmaceutical Organic Chemistry - II	-	Theory
5	RPHC 125	Pharmaceutical Organic Chemistry – II	-	Practical
6	RPHA 126	Pharmaceutical Analysis – II	-	Theory
7	RPHA 127	Pharmaceutical Analysis – II	-	Practical
8	RPHL 128	Human Anatomy and Physiology – II	-	Theory
9	RPHL 129	Human Anatomy and Physiology – II	-	Practical

SECOND YEAR

Semester - 3

1	RPHP 231	Pharmaceutical Management and Marketing	-	Theory
2	RPHP 232	Physical Pharmaceutics-II	-	Theory
3	RPHP 233	Physical Pharmaceutics-II	-	Practical
4	RPHP 234	Pharmaceutical Technology – I	-	Theory
5	RPHP 235	Pharmaceutical Technology – I	-	Practical
6	RPHC 236	Pharmaceutical Organic Chemistry - III	-	Theory
7	RPHC 237	Pharmaceutical Organic Chemistry – III	-	Practical
8	RPHC 238	Biochemistry and Biomolecules –I	-	Theory
9	RPHC 239	Biochemistry and Biomolecules –I	-	Practical

Semester - 4

1	RPHL 241	Pathophysiology and Health Education	-	Theory
2	RPHP 242	Pharmaceutical Technology – II	-	Theory
3	RPHP 243	Pharmaceutical Technology – II	-	Practical
4	RPHP 244	Pharmacy Practice	-	Theory
5	RPHP 245	Pharmacy Practice	-	Practical
6	RPHC 246	Pharmaceutical Organic Chemistry - IV	-	Theory
7	RPHC 247	Pharmaceutical Organic Chemistry – IV	-	Practical
8	RPHC 248	Biochemistry and Biomolecules –II	-	Theory
9	RPHC 249	Biochemistry and Biomolecules –II	-	Practical

THIRD YEAR

Semester - 5

1	RPHP 351	Hospital and Clinical Pharmacy	-	Theory
2	RPHP 352	Biopharmaceutics and Pharmacokinetics	-	Theory
3	RPHP 353	Biopharmaceutics and Pharmacokinetics	-	Practical
4	RPHC 354	Chemistry of Natural Products	-	Theory
5	RPHC 355	Chemistry of Natural Products	-	Practical
6	RPHG 356	Pharmacognosy – I	-	Theory
7	RPHG 357	Pharmacognosy–I	-	Practical
8	RPHL 358	Pharmacology and Therapeutics – I	-	Theory
9	RPHL 359	Pharmacology and Therapeutics – I	-	Practical

Semester - 6

1	RPHP 361	Pharmacy Act and Drug rules	-	Theory
2	RPHP 362	Pharmaceutical Biotechnology	-	Theory
3	RPHP 363	Pharmaceutical Biotechnology	-	Practical
4	RPHC 364	Medicinal Chemistry – I	-	Theory
5	RPHC 365	Medicinal Chemistry – I	-	Practical
6	RPHG 366	Pharmacognosy – II	-	Theory
7	RPHG 367	Pharmacognosy – II	-	Practical
8	RPHL 368	Pharmacology and Therapeutics – II	-	Theory
9	RPHL 369	Pharmacology and Therapeutics – II	-	Practical

FOURTH YEAR

Semester - 7

1	RPHS 471	Social and Behavioral Sciences	-	Theory
2	RPHP 472	Industrial Pharmacy – I	-	Theory
3	RPHP 473	Industrial Pharmacy – I	-	Practical
4	RPHC 474	Medicinal Chemistry – II	-	Theory
5	RPHC 475	Medicinal Chemistry – II	-	Practical
6	RPHL 476	Pharmacology and Therapeutics – III	-	Theory
7	RPHL 477	Pharmacology and Therapeutics – III	-	Practical
8	RPHG 478	Pharmacognosy – III	-	Theory
9	RPHG 479	Pharmacognosy – III	-	Practical

Semester - 8

1	RPHA 481	Project and Viva voce	-	Theory
2	RPHP 482	Industrial Pharmacy – II	-	Theory
3	RPHP 483	Industrial Pharmacy – II	-	Practical
4	RPHC 484	Medicinal Chemistry – III	-	Theory
5	RPHC 485	Medicinal Chemistry – III	-	Practical
6	RPHA 486	Instrumental Methods of Analysis	-	Theory
7	RPHA 487	Instrumental Methods of Analysis	-	Practical
8	RPHL 488	Pharmacology and Therapeutics – IV	-	Theory
9	RPHL 489	Pharmacology and Therapeutics – IV	-	Practical

SRM UNIVERSITY

(Under section 3 of the UGC Act, 1956)

SRM COLLEGE OF PHARMACY

SRM Nagar, Kattankulathur 603 203

REGULATIONS & SYLLABUS FOR THE BACHELOR OF PHARMACY DEGREE COURSE

In exercise of the powers conferred by the Bye-laws of SRM University, the Academic Council of the University hereby makes the following regulations: -

SHORT TITLE AND COMMENCEMENT:

The regulations may be called 'THE REGULATIONS FOR THE BACHELOR OF PHARMACY DEGREE COURSE' OF SRM UNIVERSITY, SRM NAGAR, and KATTANKULATHUR- 603 203.

These regulations shall be deemed to come into force from the academic year 2005-2006. These regulations are subject to such modifications as may be approved by the Academic Senate from time to time.

The Bachelor of Pharmacy approved by the academic council meeting held on 7th March 2005, to be effective from the Academic session 2005-2006

1. ELIGIBILITY FOR ADMISSION

1.1. A candidate desiring to join the four year programme leading to the Degree of Bachelor of Pharmacy should have passed the HSC/CBSE/ISC or equivalent examination and obtained not less than 50% marks in the aggregate in

(i) Physics, Chemistry, Biology (or Botany & Zoology); or

(ii) Physics, Chemistry, Mathematics subject taken together at the qualifying examination after a period of 12 years of study.

1.2 A candidate shall, at the time of admission, submit to the Head of the Institution, a Certificate of Medical Fitness from an authorized Medical Officer certifying that the candidate is physically fit to undergo the academic course and does not suffer from any disability or contagious disease.

2. AGE LIMIT FOR ADMISSION

Every candidate should have completed the age of 17 years as on 31st December of the year of admission.

3. ELIGIBILITY CERTIFICATE

Candidates who have passed any qualifying examination other than the Higher Secondary Course examination conducted by the Government of Tamil Nadu shall obtain an Eligibility Certificate from SRM University and produce it at the time of admission.

4. REGISTRATION

A candidate admitted to the course shall register his/her name with the University by submitting application form for registration duly filled in, along with the prescribed fee, through the Head of the Institution within the stipulated time.

5. DURATION OF THE COURSE

The duration of the Bachelor of Pharmacy Degree Course shall be four academic years comprising eight semesters

No. of appearance – 6 attempts over and above the duration of the course, the candidate will automatically lose his candidature.

6. COMMENCEMENT OF THE COURSE

The course shall commence ordinarily from 1st July of the academic year.

7. COMMENCEMENT OF THE EXAMINATIONS

The semester examinations will be in November/December and April/May

8. CUT OFF DATE FOR ADMISSION TO THE EXAMINATION

Cut off date – 31st July

9. MEDIUM OF INSTRUCTION

English shall be the medium of Instruction for all subjects of study and examinations will be conducted only in English.

10. CURRICULUM

The curriculum and the syllabus for the course shall be as prescribed by the Academic Senate of the University and as may be modified from time to time.

11. WORKING DAYS IN AN ACADEMIC YEAR

Each semester shall consist of not less than 90 working days.

12. ATTENDANCE REQUIRED FOR ADMISSION TO EXAMINATIONS

12.1 No candidate shall be permitted to appear for the University Examinations, unless he/she attends the course for the prescribed period and produces the necessary certificate of attendance and satisfactory conduct from the Head of the Institution.

12.2 Every candidate is required to put in a minimum of 80% attendance both in theory and practical separately in each subject for admission to the examination.

12.3 A candidate lacking in the prescribed attendance in any subject in theory and/or practical shall not be admitted to the entire examination and has to repeat the semester.

13. CONDONATION OF LACK OF ATTENDANCE

13.1 Discretionary power of condonation of shortage of attendance up to a maximum of 10% of minimum attendance prescribed for admission to the examination rests with the Vice- Chancellor. A candidate lacking in attendance should submit an application in the prescribed form remitting the prescribed fee, 15 days prior to the commencement of the theory examination to the University through the Head of the Institution.

13.2 The Head of the Department and the Head of the Institution should satisfy themselves on the reasonableness of the candidate's request while forwarding the application of the candidate to the Controller of Examinations who would obtain the Vice Chancellor's approval for admission to the examination. No application shall be considered if it is not forwarded through proper channel.

13.3 The Head of the Institution, while recommending and forwarding the application for condonation should take into consideration the following circumstances:-

13.3.1 Any illness afflicting the candidate:- In this case, the candidate should have submitted to the Head of the Institution, a medical certificate from a registered medical practitioner of SRM General Hospital soon after returning to the institution after treatment.

13.3.2 Any unforeseen tragedy in the family:- The parent/guardian should have given in writing the details of the ward's absence to the Head of the Institution.

13.3.3 Participation in NCC/NSS and other co-curricular activities representing the Institution or University: A certificate issued by the Officer-in-charge of the student activities concerned certifying the participation of the student in the event which necessitated the student's absence duly endorsed by the Head of the Institution should be enclosed.\

14. INTERNAL ASSESSMENT

14.1 A minimum of two written assessment examinations shall be conducted in each subject during a semester and the average marks of these two examinations shall be taken into consideration for the award of internal marks.

14.2 A minimum of two practical examinations shall be conducted in each subject (wherever practicals have been included in the curriculum) and the average marks of these

two examinations shall be taken into consideration for award of internal marks in practicals.

14.3 A candidate failed in any subject in the University examination shall be provided an opportunity to improve his / her sessional marks by conducting a minimum of two examinations in theory and two practicals separately.

If a failed candidate does not appear for such “Improvement Examinations” for internal marks in the failed subject(s), the internal marks already secured by him/her shall be carried over for his subsequent appearance(s).

14.4 The internal marks list shall be submitted to the University by the Head of the Institution 15 days prior to the commencement of the University examinations.

15. SUBMISSION OF PRACTICAL WORK BOOK

At the time of practical examination, each candidate shall submit to the examiners the practical work book duly certified by the Head of the Department as a bonafide record of the work done by the candidate.

16. CARRY OVER OF FAILED SUBJECTS

16.1 Candidates are permitted to carry over the failed subject(s) to the next semester up to 8th semester.

16.2 Theory / Practical pass to be treated separately.

17. REQUIREMENTS FOR COMPLETION OF A SEMESTER

17.1.1 A candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester:

17.1.2 A candidate shall be declared to have passed the examination if he/she obtains the following minimum qualifying marks:

17.1.3 He/She secures not less than 80% attendance in that semester taking into account the total number of periods

offered during that semester. Condonation of attendance up to 10% is permitted on medical grounds. Relaxation in attendance is permitted up to 10% for students who represent the University in sports, games, cultural, symposium and other similar activities. The above two relaxations either individually or jointly should not exceed 10%.

17.2 He/She earns a progress certificate from the Head of the Institution for having satisfactorily completed all the courses pertaining to that semester, as judged by internal assessment.

17.3 His/Her conduct has been satisfactory throughout the semester.

17.4 Condonation on any other grounds should be applied for, through proper channel and should be approved by the Vice Chancellor.

17.5 Candidate who is not permitted to appear for the University examinations due to lack of attendance requirements will have to re-register and do the course when they are offered subsequently.

17.6 Candidates who do not complete the semester (as per clause 12.1) will not be permitted to write the end-semester examination and are not permitted to go to the next semester. They are required to repeat the semester in the next academic year.

18. EXAMINATIONS

18.1 The end semester examinations will ordinarily be conducted during October to December in the Odd semesters and during March to May in the even semesters. For all theory courses Question papers will be set by external examiners and valued by External examiners.

18.2 All Practical examinations including project work, viva voce will be conducted by internal and external examiners appointed by the University.

18.3 The maximum marks for any course (theory or practical excluding project work) will be 100 comprising 30 marks for Internal Assessment and 70 marks for the end semester examinations.

18.4 For Project work the total marks will be 100 marks.

18.5 Project will be examined by internal and external examiners, having equal weightage.

18.6 Students can apply for re-valuation within the prescribed time by the Controller of Examinations after the declaration of the results. Application submitted after the due date will not be considered under any circumstances.

18.7 Question Paper Pattern: (Semester I to VIII)

Theory

Time = 3 Hours

Total Marks = 70

SECTION – A

Answer all the questions /

All questions carry equal marks

10 X 2 = 20 Marks

- | | |
|---------------|---------------|
| 1. Unit –I | 6. Unit - III |
| 2. Unit –I | 7. Unit - IV |
| 3. Unit - II | 8. Unit - IV |
| 4. Unit - II | 9. Unit - V |
| 5. Unit – III | 10. Unit - V |

SECTION – B

Answer all the questions selecting one from each unit

All questions carry equal marks

5 X 10 = 50 Marks

- | | | |
|----------------|------|----------------|
| 11. Unit – I | (or) | 12. Unit - I |
| 13. Unit – II | (or) | 14. Unit - II |
| 15. Unit – III | (or) | 16. Unit - III |
| 17. Unit – IV | (or) | 18. Unit - IV |
| 19. Unit - V | (or) | 20. Unit - V |

Practical

Time = 3 Hours

Max. Marks = 40

- | | |
|----------------------|----------|
| I Synopsis | 10 Marks |
| II Major experiment | 15 Marks |
| III Minor experiment | 10 Marks |
| IV Viva | 5 Marks |

Internal Assessment :

Theory:

Max. Marks. = 30

- | | |
|---------------------|----------|
| Internal Assessment | 20 Marks |
| Attendance | 5 Marks |
| Assignment | 5 Marks |

Practical:

Max. Marks = 10

- | | |
|---------------------|----------|
| Internal Assessment | 10 Marks |
|---------------------|----------|

Total Marks = 150

19. Lateral entry – There is no provision for lateral entry.

20. REQUIREMENTS FOR APPEARING FOR SEMESTER EXAMINATION

A candidate shall normally be permitted to appear for the end semester examination of any semester if he/she has satisfied the semester completion requirements (vide clause 18) and has registered for examination in all courses of that semester.

21. PASSING REQUIREMENTS

21.1 A candidate who secures not less than 50% of total marks prescribed for any course within a minimum of 50% of the marks prescribed for the end-semester Examination shall be declared to have passed in the Examination for that course.

21.2. A candidate fails to secure a pass in a particular course, it is mandatory that he / she shall register and reappear for the examination in that course during the next semester when examination is conducted in that course. He/she should continue to register and reappear for the examination till he/she secures a pass. However, the internal assessment marks obtained by the candidate in the first attempt shall be retained and considered valid for all subsequent attempts. Improvement exams for improving the internal assessment marks may be conducted as and when required.

22. AWARD OF LETTER GRADES

All assessments of a course will be done on absolute mark basis. However for the Purpose of reporting the performance of a candidate letter grades, each carrying certain points, will be awarded as per the range of total marks (out of 100) obtained by the candidate, as detailed below.

Range of total marks	Letter Grade	Grade Points
90 to 100	S	10
80 to 89	A	9
70 to 79	B	8
60 to 69	C	7
50 to 59	D	6
0 to 49	F	0
Incomplete	I	0
Withdrawal	W	0

“F” denotes failure in the course.

“I” denotes incomplete as per Clause 18.1 and hence prevented from writing End- Semester examination

“W” denotes withdrawal from the course. After results are declared. Grade sheets will be issued to each student, containing the list of courses enrolled during semester and the grade scored, the Grade Point Average (GPA) for the semester and the Cumulative Grade Point Average (CGPA).

GPA is the ratio of the sum of the products of the number of credits of courses registered and the points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester.

$$\text{GPA} = \frac{\sum(C \times GP)}{\sum C}$$

CGPA will be calculated in a similar manner, considering all the courses enrolled from first semester.

The course is assigned credits as follows:-

1. Theory - 3 credits
2. Practical - 2 credits
3. Project - 8 credits

23. ELIGIBILITY FOR THE AWARD OF DEGREE

The student shall be declared to be eligible for the award of B.Pharm Degree provided.

23.1 The student has successfully completed the course requirements and has passed all the prescribed examinations in all the 8 semesters within a maximum period of 7 years reckoned from the commencement of the first semester to which the candidate was admitted.

23.2 No disciplinary action is pending against the student.

23.3 The student has successfully completed NSS/NCC/NSO programme.

24. CLASSIFICATION OF THE DEGREE AWARDED

24.1 A candidate who qualifies for the award of the Degree (vide clause 22 having passed the examination in all the courses from first to eighth semesters in his/her first appearance securing a CGPA of not less than 8.00 shall be declared to have passed the examination in First Class with Distinction. Withdrawal from examination (vide clause 24) will not be construed as an appearance.

24.2 A candidate who qualified for the award of the Degree (vide clause 22) having passed the examination in all the courses from first to eighth semesters securing a CGPA of not less than 7.00 shall be declared to have passed the examination in First Class. For this purpose the authorized arrears in a subject will not be counted for the purpose of classification.

24.3 All other candidates (not covered in clauses 23.1 & 23.2) who qualify for the award of the degree (vide clause 22) shall be declared to have passed the examination in Second Class.

24.4 A candidate who is absent for the semester examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification.

25. PROVISION FOR WITHDRAWAL FROM EXAMINATION.

25.1 A candidate may, for valid reasons, be granted permission to withdraw from appearing for the examination in any course or courses of any semester examination.

25.2 Withdrawal application shall be valid only if the candidate is otherwise eligible to write the examination and if it is made within the prescribed number of days prior to the commencement of the examination in that course or courses and also recommended by the Head of the Department and the Head of the Institution.

26. MIGRATION / TRANSFER OF CANDIDATES

Application seeking Migration / Transfer of a candidate from any recognized Institution to the Deemed University shall be considered subject to the condition that:

26.1. There must be vacancy in the particular year of study.

26.2 The applicant should satisfy norms prescribed by AICTE/ Pharmacy Council of India

26.3 Transfer shall be effective only at the beginning of an academic year and Approval of the Vice Chancellor shall be obtained

27. READMISSION AFTER BREAK OF STUDY

27.1 Candidates having a break of study of five years and above from the date of admission, will not be considered for re-admission

27.2 Candidates having break of study shall be considered for re-admission provided that they are not subjected to any disciplinary action and no charges are pending or contemplated against them.

27.3 All re-admissions of candidates are subject to the approval of the Vice-Chancellor.

27.4 The candidates having a break of study below 6 months shall apply for re-admission in the prescribed form and

remitting the stipulated fee for condonation to the Registrar of the University. The candidates may be re-admitted in the corresponding course of study at the commencement of the session and shall undergo the period of study as prescribed. After fulfillment of the regulations of this University be admitted for the examination. The candidates shall be granted exemption in the subjects they have already passed.

27.5 The candidates having a break of study of 3 years but less than 5 years shall apply for re- admission in the prescribed form and remitting the stipulated fee for condonation to the Registrar of the University. The candidates may be permitted to re-join the course as the case may be.

28. VACATION

The Head of the Institution shall declare vacation not exceeding 60 days in an academic year.

Summer = 45 days

winter = 15 days

**B.Pharmacy – Scheme of Examination
SEMESTER – 1**

Subject Title	Hours of Study per Week	Total Hours per Semester	Duration of Examination Hours	Marks allotted		
				University Exam	Internal Assessment	Total
Biostatistics and Computer applications – I	Theory – 3	48	3	70	30	100
Pharmaceutical Organic Chemistry – I	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Pharmaceutical Inorganic Chemistry	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Pharmaceutical Analysis – I	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Human Anatomy and Physiology – I	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50

SEMESTER – 2

Subject Title	Hours of Study per Week	Total Hours per Semester	Duration of Examination Hours	Marks allotted		
				University Exam	Internal Assessment	Total
Biostatistics and Computer applications – II	Theory – 3	48	3	70	30	100
Physical Pharmaceutics-I	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Pharmaceutical Organic Chemistry – II	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Pharmaceutical Analysis – II	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Human Anatomy and Physiology – II	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50

B.Pharmacy – Scheme of Examination
SEMESTER – 3

Subject Title	Hours of Study per Week	Total Hours per Semester	Duration of Examination Hours	Marks allotted		
				University Exam	Internal Assessment	Total
Pharmaceutical Management and Marketing	Theory – 3	48	3	70	30	100
Physical Pharmaceutics-II	Theory – 3 Practical – 3	48 48	3 3	70 40	30 10	100 50
Pharmaceutical Technology – I	Theory – 3 Practical – 3	48 48	3 3	70 40	30 10	100 50
Pharmaceutical Organic Chemistry - III	Theory – 3 Practical – 3	48 48	3 3	70 40	30 10	100 50
Biochemistry and Biomolecules –I	Theory – 3 Practical – 3	48 48	3 3	70 40	30 10	100 50

SEMESTER – 4

Subject Title	Hours of Study per Week	Total Hours per Semester	Duration of Examination Hours	Marks allotted		
				University Exam	Internal Assessment	Total
Pathophysiology and Health Education	Theory – 3	48	3	70	30	100
Pharmaceutical Technology – II	Theory – 3 Practical – 3	48 48	3 3	70 40	30 10	100 50
Pharmacy Practice	Theory – 3 Practical – 3	48 48	3 3	70 40	30 10	100 50
Pharmaceutical Organic Chemistry - IV	Theory – 3 Practical – 3	48 48	3 3	70 40	30 10	100 50
Biochemistry and Biomolecules –II	Theory – 3 Practical – 3	48 48	3 3	70 40	30 10	100 50

B.Pharmacy – Scheme of Examination

SEMESTER –5

Subject Title	Hours of Study per Week	Total Hours per Semester	Duration of Examination Hours	Marks allotted		
				University Exam	Internal Assessment	Total
Hospital and Clinical Pharmacy	Theory –3	48	3	70	30	100
Bio Pharmaceutics and Pharmacokinetics	Theory –3	48	3	70	30	100
	Practical –3	48	3	40	10	50
Chemistry of Natural Products	Theory –3	48	3	70	30	100
	Practical –3	48	3	40	10	50
Pharmacognosy – I	Theory –3	48	3	70	30	100
	Practical –3	48	3	40	10	50
Pharmacology and Therapeutics – I	Theory –3	48	3	70	30	100
	Practical –3	48	3	40	10	50

SEMESTER - 6

Subject Title	Hours of Study per Week	Total Hours per Semester	Duration of Examination Hours	Marks allotted		
				University Exam	Internal Assessment	Total
Pharmacy Act and Drug rules	Theory – 3	48	3	70	30	100
Pharmaceutical Biotechnology	Theory –3	48	3	70	30	100
	Practical –3	48	3	40	10	50
Medicinal Chemistry – I	Theory –3	48	3	70	30	100
	Practical –3	48	3	40	10	50
Pharmacognosy – II	Theory –3	48	3	70	30	100
	Practical –3	48	3	40	10	50
Pharmacology and Therapeutics – II	Theory –3	48	3	70	30	100
	Practical –3	48	3	40	10	50

B.Pharmacy – Scheme of Examination

SEMESTER – 7

Subject Title	Hours of Study per Week	Total Hours per Semester	Duration of Examination Hours	Marks allotted		
				University Exam	Internal Assessment	Total
Social and Behavioral Sciences	Theory – 3	48	3	70	30	100
Industrial Pharmacy – I	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Medicinal Chemistry – II	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Pharmacology and Therapeutics – III	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Pharmacognosy – III	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50

SEMESTER - 8

Subject Title	Hours of Study per Week	Total Hours per Semester	Duration of Examination Hours	Marks allotted		
				University Exam	Internal Assessment	Total
Project & Viva voce	Theory – 3	48		100	-	100
Industrial Pharmacy – II	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Medicinal Chemistry – III	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Instrumental Methods of Analysis	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50
Pharmacology and Therapeutics – IV	Theory – 3	48	3	70	30	100
	Practical – 3	48	3	40	10	50