

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be university U/S 3 of UGC Act 1956)

Accredited with Grade "A++" by NAAC | Category-I University by UGC| Approved by AICTE

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu.



ACADEMIC REGULATIONS-2026

UG Programmes

BACHELOR OF PHARMACY (B. Pharm)

(2026)

As Per NEP 2020

SCHOOL OF PHARMACY

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I. PREAMBLE

The Bachelor of Pharmacy (B.Pharm) programme, designed in accordance with the National Education Policy (NEP) 2020 and the guidelines of the Pharmacy Council of India (PCI), aims to develop competent pharmacy professionals equipped with strong scientific knowledge, practical skills, ethical values, and a commitment to patient care. The curriculum emphasizes outcome-based education, experiential learning, research, innovation, digital technologies, and interdisciplinary approaches to meet the evolving needs of healthcare and the pharmaceutical industry. It prepares graduates for careers in pharmacy practice, pharmaceutical manufacturing, research, regulatory affairs, and public health while fostering lifelong learning and professional excellence.

The School of Pharmacy, Sathyabama Institute of Science and Technology, is committed to imparting quality pharmaceutical education that nurtures academic excellence, professional ethics, research aptitude, and social responsibility. Aligned with the National Education Policy (NEP) 2020 and the Pharmacy Council of India (PCI) regulations, the Bachelor of Pharmacy (B.Pharm) programme is designed to provide students with a strong foundation in pharmaceutical sciences, practical skills, innovation, and patient-centered healthcare.

II. DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

- **Degree** : Refers the academic award conferred up a student after the successful completion of the programme in the stipulated period with required credits and set procedures. The Degree is the undergraduate program which is “**Bachelor of Pharmacy**” and it also referred “**B.Pharm**” respectively.
- **Programme** : Refers to the **Bachelor of Pharmacy** specialization that a student has chosen for study.
- **Course** : Refers to the course (Subject) that a student would have to undergo during the study in the Institution
- **Batch** : Refers to the Starting and Completion year of a Programme of study.
Eg. ***Batch of 2026–2030 refers to students belonging to a 4 year***

Degree programme admitted in 2026 and completing in 2030.

- **School** : Each Programme and Department of the Institution is grouped under various Schools. Eg. **School of Pharmacy** offers various Undergraduate Programmes in Sciences like B.Pharm, Pharm.D and a PG programme M.Pharm (Pharmaceutics).
- **School Dean** : Refers to the Head of a School.
- **HoD** : Refers to the Head of a Department (HoD) offering various UG and PG programmes. He/ She will be the Head of all staff members and Students belonging to the Department
- **Year Coordinator** : The Head of the Department shall appoint a year coordinator for each batch of students admitted in to a programme, throughout their period of study. The Batch coordinator shall act as a linkage between the HoD, faculty members and the students.
- **COE** : **“Controller of Examination”** means, the authority of the Institution who is responsible for all activities of the Institution Examinations.
- **UGC** : **“UGC”** means, University Grants Commission
- **PCI** : **“PCI”** means, Pharmacy Council of India
- **GPAT** : **“GPAT”** means, Graduate Pharmacy Aptitude Test in Pharmacy
- **NEET** : National Eligibility Cum Entrance Test
- **AC** : Academic Council
- **BoM** : Board of Management
- **BoS** : Board of Studies
- **HEI** : Higher Educational Institution
- **Dean, Academics** : Dean, Academics is responsible for the academic regulations, relating to all programs of study in the institution.

SCHOOL OF PHARMACY

1. SHORT TITLE AND COMMENCEMENT

This regulation shall be called as “**The Regulation for the B. Pharm. Degree Programme Choice Based Credit System (CBCS) as per National Education Policy 2020 of the Pharmacy Council of India, New Delhi**”. It shall come into effect immediately upon notification by the Pharmacy Council of India. The regulations framed are subject to modification from time to time by Pharmacy Council of India.

2. ACADEMIC REGULATIONS

1. VISION AND MISSION OF THE INSTITUTION

1.1.Vision: To be a leading multidisciplinary university, producing world-class talent capable of addressing global challenges.

1.2.Mission

1. To achieve excellence in education and research through meaningful collaborations with industry, and national and international organizations.
2. To foster an attractive and dynamic ecosystem for students and employees, serving as a hub of innovation for researchers and an incubating platform for entrepreneurs.
3. To create an inclusive environment that embraces and supports all forms of diversity.
4. To actively engage in outreach and community development initiatives, making a positive impact on society.

1.3. PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

The graduates of the programme are expected to achieve the following Programme Educational Objectives (PEOs):

PEO No.	Programme Educational Objective (PEO)
PEO 1	: Apply fundamental knowledge of pharmaceutical sciences to work effectively in pharmacy practice, pharmaceutical industry, research, and related healthcare fields.
PEO 2	: Demonstrate practical skills in drug formulation, pharmaceutical manufacturing, pharmaceutical analysis, quality control, and pharmacy practice.
PEO 3	: Use scientific reasoning, critical thinking, and problem-solving skills to address challenges related to medicines, drug development, pharmaceutical care, and patient management.

- PEO 4** : Practice pharmacy with ethical responsibility, professional integrity, effective communication, teamwork, and commitment to patient safety, public health, and societal well-being.
- PEO 5** : Pursue continuous learning, professional development, and lifelong learning to adapt to advancements in pharmaceutical sciences, healthcare technologies, and evolving professional responsibilities.

1.4. PROGRAMME OUTCOMES (POs)- – B.Pharm Programme

The Program Outcomes (POs) provided are comprehensive and aligned with NEP-2020, PCI requirements, Outcome-Based Education (OBE), and contemporary pharmacy education. For accreditation, curriculum mapping, and course outcome attainment, the following standardized version may be adopted.

PO No.	Program Outcome
---------------	------------------------

- | | |
|------------|--|
| PO1 | Pharmacy Knowledge: Apply comprehensive knowledge of pharmaceutical sciences, biomedical sciences, pharmacology, pharmacognosy, pharmaceutical chemistry, pharmacy practice, and pharmaceutical manufacturing processes to understand drug actions, disease mechanisms, therapeutic interventions, and solve professional problems across diverse pharmacy domains. |
| PO2 | Problem Analysis, Critical Thinking and Evidence-Based Decision Making: Identify, formulate, analyze, and interpret complex pharmaceutical problems using principles of scientific inquiry, critical thinking, biostatistics, and evidence-based reasoning to arrive at defensible solutions and informed decisions. |
| PO3 | Pharmaceutical Skills and Practice: Demonstrate proficiency in formulation development, pharmaceutical analysis, quality assurance, pharmacovigilance, clinical pharmacotherapy, and pharmacy practice through laboratory work, simulations, internships, and experiential learning. |
| PO4 | Modern Tools, AI and Digital Competence: Select, apply, and evaluate modern pharmaceutical tools, analytical instruments, digital technologies, artificial intelligence, machine learning, and computational techniques with awareness of their limitations, reliability, and ethical use. |
| PO5 | Research and Innovation: Design and conduct scientific research, analyze and interpret data, and contribute to innovation through research projects, startup |

initiatives, entrepreneurship, and problem-based learning relevant to industry, healthcare, and society.

- PO6 : Professional Ethics and Human Values:** Apply ethical principles, professional integrity, regulatory frameworks, intellectual property rights, and universal human values while addressing professional, legal, and societal responsibilities in pharmacy practice.
- PO7 : Communication and Interpersonal Skills:** Communicate effectively with patients, healthcare professionals, industry personnel, regulatory authorities, and society through clear documentation, reports, presentations, counseling, teamwork, and interdisciplinary collaboration.
- PO8 : Leadership, Management and Entrepreneurship:** Demonstrate leadership, teamwork, planning, managerial, and entrepreneurial skills in pharmaceutical organizations, healthcare systems, quality systems, innovation ecosystems, and startup ventures.
- PO9 : Pharmacist and Society:** Evaluate public health, patient safety, legal, ethical, and societal issues related to pharmacy practice and contribute responsibly to healthcare delivery, rational use of medicines, and improvement of community health outcomes.
- PO10 : Environment and Sustainability:** Recognize and address the environmental impact of pharmaceutical manufacturing, use, and disposal of medicines, and promote environmentally responsible practices, green pharmacy principles, and sustainable healthcare aligned with the United Nations Sustainable Development Goals (SDGs).
- PO11 : Life-Long Learning and Professional Development:** Recognize the need for continuous learning and demonstrate the ability to engage in self-directed, life-long learning to adapt to technological advancements, evolving healthcare needs, professional responsibilities, and career growth.

2. MINIMUM QUALIFICATION FOR ADMISSION

2.1 First year B. Pharm:

- i. A candidate shall have passed the 10+2 examination conducted by the respective State or Central Government authorities, or any equivalent examination recognized by bodies such as the Association of Indian Universities (AIU) or the Council of Boards of School Education in India (COBSE), including wings such as IGNOU and NIOS, with English as one of the subjects and with Physics and Chemistry as compulsory subjects, along with either Mathematics or Biology.
- ii. Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

2.2. B. Pharm lateral entry (to third semester):

Candidate shall have passed in D. Pharm. course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

3. DURATION OF THE PROGRAMME

The course of study for B. Pharm shall extend over a period of eight semesters (four academic years) and six semesters (three academic years) for lateral entry students. The curricula and syllabi for the Programme shall be prescribed from time to time by Pharmacy Council of India.

4. MEDIUM OF INSTRUCTION AND EXAMINATIONS

Medium of instruction and examination shall be in English.

4. WORKING DAYS IN EACH SEMESTER

Each semester shall consist of not less than 90 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 December/January to May/June in every calendar year. A break of not less than 7 days shall be provided between the semesters.

5. ATTENDANCE AND PROGRESS

A candidate must maintain a minimum of 75% attendance in each individual course. Attendance for theory and practical components shall be considered separately. Only

candidates who satisfactorily complete the prescribed course requirements shall be eligible to appear for the respective examinations.

7. PROGRAMME/COURSE CREDIT STRUCTURE

As per the Choice Based Credit System (CBCS), certain quantum of academic work viz. theory classes, practical classes 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/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

7.1. CREDIT ASSIGNMENT

7.1.1. Theory and Practical courses

Courses are broadly classified as Theory, Practical, Project and Internship. Theory (T) courses consist of lecture (L) hours, while Practical (P) courses consist of hours spent in the laboratory. The Credits (C) assigned to a course dependent on the number of instructional hours per week and are calculated using a multiplier of one (1) for lecture hours, and a multiplier of one-half (1/2) for practical (laboratory) hours. For example, a theory course having three lectures per week throughout the semester carries 3credits. Similarly, a practical course with four laboratory hours per week throughout semester carries 2 credits. If the calculated credit value results in a fraction of 0.5 or below, the lower integer value will be assigned as the credit. Every 30 hours spent on internship (I) and projects shall be considered equivalent to 1 credit.

7.1.2 Minimum credit requirements

Credit Requirements and Distribution for B.Pharm Programme

1. The minimum credit requirement for the award of the Bachelor of Pharmacy (B.Pharm.) degree is **193 credits**. These 193 credits are distributed among:
 - Theory Courses
 - Practical Courses
 - Internship
 - Project Work

2. The credits are earned progressively over the duration of **eight semesters** of the B.Pharm. Programme. The semester-wise distribution of credits is provided in **Table I** of the curriculum structure.

Table-I: Total Credits per Semester

Semester	Total Credits
I	21
II	26
III	25
IV	23
V	22
VI	26
VII	26
VIII	24
Grand Total	193

Note: Earning total credits [193] as mentioned above are mandatory for award of the degree. However, Institute/University has the liberty to offer additional courses as per their mandates or may also offer additional credits through various MOOCs upon approval of their respective academic council.

3. The courses are designed in a sequential manner to facilitate the gradual development of knowledge, skills, and professional competencies.
4. The placement of courses across semesters reflects the expected academic maturity and competency level of learners at each stage of the programme.
5. Students are required to follow the prescribed semester-wise course schedule as specified in the curriculum.

Additional Requirements for Lateral Entry Students

6. Students admitted through the lateral entry scheme are required to complete the following additional courses:

Semester III

- Healthcare Psychology and Communication Skills (Theory and Practical)

- Basics of Python Programming for Pharmaceutical Sciences (Theory)

Semester IV

Applied Biostatistics and Data Analytics for Pharmaceutical Sciences (Theory)

7. Upon successful completion of the above additional courses, lateral entry students shall be awarded **47 credits**, equivalent to the credits earned during the Diploma in Pharmacy (D.Pharm.) programme.
8. Of the total 47 credits: **41 credits** shall be accounted for the successful completion of the D.Pharm. Programme. **6 credits** shall be awarded for the successful completion of the prescribed additional courses.
9. The 41 credits recognized from the D.Pharm qualification shall be recorded in the **Semester III marks statement** of the lateral entry student. The credit transfer mechanism ensures parity between regular-entry and lateral-entry students while maintaining the academic standards and learning outcomes of the B.Pharm programme.

8. ACADEMIC WORK

A regular record of attendance in Theory, Practical, Internship and Research Projects shall be maintained by the teaching staff of respective courses.

9. COURSE OF STUDY

The course of study for B. Pharm shall include Semester wise Theory & Practical as given in Tables – I to VIII. The number of hours allotted to each theory and practical course in any semester shall not be less than that shown in curriculum.

10. PROGRAMME COMMITTEE AND INTERNAL EXAMINATION COMMITTEE

10.1 Programme Committee

1. The B. Pharm. Programme shall have a Programme Committee constituted by the Head of the Institution/Principal in consultation with all the Heads of the Departments and reconstituted annually.
2. **The composition of the Programme Committee shall be as follows:**
 - I. The Principal/Head of the Institution shall serve as the Chairperson

- II. One senior teacher from any department shall act as the B. Pharm Coordinator
 - III. One teacher from each department offering B. Pharm courses and
 - IV. Four student representatives of the programme (one from each academic year), nominated by the Head of the Institution.
3. The Programme Committee shall meet at least twice in every semester to perform the following duties.
- 4. Duties of the Programme Committee (not limited to):**
- i. Periodically reviewing the progress of classes and attendance.
 - ii. Discussing problems concerning the curriculum, syllabus, and conduct of classes.
 - iii. Communicating its recommendations on academic matters to the Head of the Institution, with such communications being duly recorded.
 - iv. Periodically reviewing and monitoring the attainment of Programme Outcomes and Course Outcomes along with Bloom's Taxonomy Levels and/or Miller's Pyramid.
 - v. Encouraging the use of ICT tools and providing e-learning resources for higher-order learning.
 - vi. Ensuring effective implementation of participative, problem-based, experiential learning, and innovative pedagogical approaches for effective outcomes

10.2. Internal Examination Committee

1. The B. Pharm. Programme shall have an Internal Examination Committee constituted by the Principal / Head of the Institution in consultation with all the Heads of the Departments and may be reconstituted as and when necessary.
- 2. The composition of the Internal Examination Committee shall be as follows:**
 - I. Principal / Head of the Institution– Chairperson
 - II. B. Pharm Programme Coordinator – Member Secretary
 - III. One senior faculty member from each department involved in B. Pharm teaching Members
 - IV. Examination Cell In-charge – Member

3. The Committee shall meet periodically, before each Sessional Examination (Internal Assessment) and before the end-semester examination.

4. Duties of the Internal Examination Committee (not limited to):

- I. To plan and approve the internal assessment calendar for all semesters.
- II. To ensure uniformity, transparency, and fairness in the conduct of continuous assessments, sessional examinations, and practical examinations.
- III. To moderate sessional question papers and assessment tools in alignment with Programme Outcomes (POs), Course Outcomes (COs), Bloom's Taxonomy levels, and/or Miller's Pyramid.
- IV. To monitor the conduct, evaluation, and quality of theory, practical, internship, and project assessments.
- V. To ensure compliance with Pharmacy Council of India (PCI) regulations, University ordinances, and the assessment reforms envisaged under NEP 2020.
- VI. To promote outcome-based, skill-oriented, competency-based, and innovative assessment practices.
- VII. To review, moderate, and finalize internal assessment marks before submission to the University.
- VIII. To address and resolve student grievances related to internal assessments in a timely, transparent, and structured manner.
- IX. To maintain accurate records, reports, and minutes pertaining to internal examinations and assessment activities.
- X. To recommend remedial measures, academic interventions, and student support mechanisms whenever necessary to enhance learning outcomes and academic performance.

10.3 Scheme for credit based marks distribution for assessment

The general scheme for credit wise marks distribution is as given below. The detailed scheme for internal assessment and end semester examinations is given in the curriculum

Table-II: Credit wise marks distribution

Credits	Maximum Marks	Internal Assessment	External Assessment
4	100	40	60
3	75	30	45
2 or 1	50	20	30

11. END SEMESTER EXAMINATIONS

The End Semester Examinations for each theory and practical course through semesters I to VIII shall be conducted by the university. (Reference: Curriculum).

11.2. Internal assessment: Continuous internal assessment and sessional examination

The marks allocated for Continuous mode of internal assessment and Sessional examination shall be awarded as per the scheme given below.

Table–III: Scheme for awarding internal assessment: Continuous mode and Sessional**a. Theory – Internal assessment pattern of marks distribution**

Theory		Internal assessment pattern of marks distribution			
Credit Type	Max. Marks	Total	Attendance (Refer Table–XII) and Student–Teacher Interaction	Academic Activities (Average of any three: quiz, assignment, open book test, field work, group discussion, seminar, etc.)	Sessional (Average of two tests) Duration 1 Hour
4	100	40	10	10	20
3	75	30	7.5	7.5	15
2 or 1	50	20	05	05	10

b. Practical – Internal assessment pattern of marks distribution

Theory		Internal assessment pattern of marks distribution			
Credit Type	Max. Marks	Total	Attendance (Refer Table–XII) and Student–Teacher Interaction	Based on Practical Records, Regular viva voce, etc.	Sessional (Average of two tests) Duration – As per allotted hours#)
2 or 1	50	20	05	05	10

For practical courses (core as well as elective), those having four hours per week shall have a four hour duration for the sessional and end-semester examinations. Practical courses with less than four hours per week shall have three-hour duration for the sessional and end-semester examinations.

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

Percentage of Attendance	Theory			Practical
	4 Credit	3 Credit	2 or 1 Credit	
90 – 100	4	3.5	2	2
85 – 89	3	2.5	1.5	1.5
75 – 84	2	1.5	1	1
Less than 75	1	0	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)/University. The scheme of question paper for theory and practical Sessional examinations is given in Table XIII– XIV below.

Table–V: Internal Assessment Question Paper Pattern (Theory)

Type of questions	4 Credit Course	3 Credit Course	2 or 1 Credit Course
I. Multiple Choice Questions (MCQs) Or Objective Type Questions	4×1 Mark each or 2×2 Marks each (Compulsory)	2×1 Mark each (Compulsory)	2×1 Mark each (Compulsory)
II. Short Answers	4×1 Mark each or 2×2 Marks each (Compulsory)	2×3 Marks each (2 out of 3)	1×3 Marks each (1 out of 2)
III. Long Answers	1×10 Marks each (1 out of 2)	1×7 Marks each (1 out of 2)	1×5 Marks each (1 out of 2)
Max. Marks	20	15	10
Duration	1 Hour	1 Hour	1 Hour

Table–VI: Internal Assessment Question Paper Pattern (Practical)

Type of questions	2 or 1 Credit Course
Synopsis	2
Major Experiment	4
Minor Experiment	2
Viva voce	2
Max. Marks	10
Duration	As per the allotted hours in scheme

The average marks of two Sessional exams shall be computed for internal assessment as per the requirements given in Table – XI.

11.3. End semester Examination

The End semester Theory and practical examination shall be conducted as per the scheme given in Table XV– XVI as per the credits allotted.

Table–VII: End Semester Question Paper Pattern (Theory)

Type of questions	4 Credit Course	3 Credit Course	2 or 1 Credit Course
I. Multiple Choice Questions (MCQs) Or Objective Type Questions	20×1 Mark each or 10×2 Marks each (Compulsory)	10×1 Mark each (Compulsory)	10×1 Mark each (Compulsory)
II. Short Answers	5×4 Marks each (5 out of 7)	5×4 Marks each (5 out of 7)	5×2 Marks each (5 out of 7)
III. Long Answers	2×10 Marks each (2 out of 3)	2×7.5 Marks each (2 out of 3)	2×5 Marks each (2 out of 3)
Max. Marks	60	45	30
Duration	3 Hours	2 Hours	1.5 Hours

Table–VIII: End Semester Question Paper Pattern (Practical)

Type of questions	2 or 1 Credit Course
Synopsis	7.5
Major Experiment	10
Minor Experiment	5
Viva voce	7.5
Max. Marks	30
Duration	As per the allotted hours in scheme #

For practical courses (core as well as elective), those having four hours per week shall have a four hour duration for the sessional and end-semester examinations. Practical courses with less than four hours per week shall have three-hour duration for the sessional and end-semester examinations.

12. PROMOTION AND AWARD OF GRADES

12.1. Promotion:

A student shall be declared PASS and eligible to receive a grade in a course of the B.Pharm programme, if he/she secures at least 50% marks in that particular course, including internal assessment. For example, to be declared PASS and to receive a grade, the student must secure a minimum of 50 marks out of a total of 100, inclusive of internal assessment marks (continuous internal assessment and sessional examination marks) and the end-semester theory examination marks as applicable

12.2. Grace Marks and Moderation:

Grace marks shall be awarded to the students as per the norms of the University, with due emphasis on promoting learner progression.

13. CARRY FORWARD OF INTERNAL ASSESSMENT 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 within that particular semester only. The re-conduct of sessional examinations for failed candidates shall be conducted only once for the purpose of improving their sessional marks, without changing their continuous internal assessment.

15. END SEMESTER SUPPLEMENTARY EXAMINATIONS

Supplementary examination should be completed within 2 months of publishing results of regular end semester examination. The proposed end semester examinations to be conducted as per the schedule below

Table–IX: Tentative schedule of end semester examinations

Semester	For Regular Examinations
I, III, V and VII	November / December
II, IV, VI and VIII	May / June

16. ACADEMIC PROGRESSION

Students are permitted to progress to the next semester even if they fail a course. However, to appear for the Semester VIII end semester examination, a student must have successfully completed all courses up to Semester VII. The final CGPA shall be awarded only after successful completion of all courses from Semester I to Semester VIII within the maximum duration prescribed by PCI. Lateral entry students shall successfully complete all courses from Semester III to Semester VII before appearing for the Semester VIII end semester examination

17. GRADING OF PERFORMANCE**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 – XVII.

Table–X: Letter grades and grade points equivalent to percentage of marks and performance

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 student 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. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

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.

$$SGPA = \frac{C1G1 + C2G2 + C3G3 + C4G4 + C5G5}{C1 + C2 + C3 + C4 + C5}$$

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.

19. CUMULATIVE GRADE POINT AVERAGE (CGPA)

The CGPA is calculated with the SGPA of all the VIII semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all VIII semesters and their courses.

$$SGPA = \frac{C1S1 + C2S2 + C3S3 + C4S4 + C5S5 + C6S6 + C7S7 + C8S8}{C1 + C2 + C3 + C4 + C5 + C6 + C7 + c8}$$

CGPA to Percentage Conversion

It is mandatory for Examining Authority to mention both, marks and SGPA and/or CGPA scores, in the mark sheets. The conversion factor for calculation of CGPA into percentage should be 10.0 uniformly.

Credit Record and Transfer Mechanism

The Examining Authority shall be responsible for creation and verification of Academic Bank of Credits ID, uploading and maintenance of semester wise credits/grades and award in the ABC and National Academic Depository (NAD) to facilitate the credit transfer and redemption as per guidelines of statutory bodies.

20. DECLARATION OF CLASS

The classification of the degree shall be determined based on the Cumulative Grade Point Average (CGPA) obtained by the candidate, as indicated below:

- 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 students shall undertake a project under the supervision of a teacher and submit a report, preferably with the involvement of an external mentor from Industry, Hospital, NABL or CDSCO-approved labs, or an Allied/Interdisciplinary field.

The project shall be carried out in groups not exceeding three members. The project report must be submitted in triplicate as a typed and bound copy of no less than 25 pages. Internal and external examiners appointed by the University shall evaluate the project during the practical examinations of the respective semester(s), and students shall be evaluated in groups.

Additionally, students are permitted the option to pursue a continuous research theme initiated in the seventh semester and extending through the eighth semester. Under this provision, the specific project milestones achieved by the conclusion of the seventh semester shall undergo formal evaluation by the appointed examiners during that semester's final examination. The projects shall be evaluated as per the criteria given in **Table XI** and **Table XII** below.

Table - XI: Evaluation of Dissertation Book

Sl. No.	Evaluation Criteria	Maximum Marks
1	Objectives of the work undertaken	10
2	Methodology adopted	20
3	Results and discussion	20
4	Conclusion and outcome	10
	Total	60

Table XII. Evaluation of Dissertation Presentation

Sl. No.	Evaluation Criteria	Maximum Marks
1	Presentation of work	40
2	Communication skills	20
3	Question and answer skills	30
	Total	90

Explanation: The 60 marks assigned to the dissertation book shall be same for all the students in a group. However, the 90 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.

22. INTERNSHIP

Every candidate shall be required to complete a minimum of **240 hours of practical** training, spread over a period of two semesters, in a Pharmaceutical/ Cosmetics/ Medical Devices/ Food Industry, or in a Hospital/Community Pharmacy, or any other relevant field as per the prescribed course content. He/she has to submit two internship reports which will be evaluated separately.

Certificate and Report submission: 75 Marks

Presentation and Discussion: 25 Marks

Total: 100 Marks

23. INDUSTRY/FIELD VISITS AND OTHER CO-CURRICULAR ACTIVITIES.

It shall be compulsory for pharmacy Institutions to organize industrial/field visit and other co curricular activities to promote holistic learning through participative, problem-based, experiential and innovative pedagogical methods. Students shall submit individual reports, which shall be assessed in continuous evaluation mode as part of any core course each year, as decided by the Programme Committee.

23.1 Industry/Field Visits

It shall be compulsory for students to undertake at least one industrial/field visit during each year to facilities involved in the manufacturing of active pharmaceutical ingredients, excipients, pharmaceutical formulations, medical devices, food, cosmetics, government/ NABL approved drug and medical device testing laboratories or NABH accredited hospital. It

shall be assured by the institutions that the facilities chosen for a particular year shall not be repeated.

23.2 Memorandum of Understanding (MoU)

A formal and legally valid Memorandum of Understanding (MoU) must be executed (minimum 10) between the pharmacy Institution and pharmaceutical Industry/ government / NABL approved drug and medical device testing laboratories/ NABH accredited hospital. Out of those MoUs, 5 must be with the pharmaceutical industries.

23.3 Co-curricular Activities

It shall be compulsory for the pharmacy institution to adopt a village or municipal ward and engage students in community service activities such as prescription surveys, rational drug use awareness, patient counselling, and other activities prescribed in the curriculum.

24. 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 B. Pharm Programme shall not be eligible for award of ranks. Moreover, the candidates should have completed the B. Pharm programme in minimum prescribed number of years (i.e. four years) for the award of Ranks.

25. AWARD OF DEGREE

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

26. DURATION FOR COMPLETION OF THE PROGRAMME

The maximum period permitted for completion of the Programme shall be twice the prescribed duration of the Programme. Any student who fails to complete the Programme within this stipulated period shall be required to discontinue the course.

27. RE-ADMISSION AFTER BREAK OF STUDY

A candidate seeking re-admission to the programme after a break in studies must obtain approval from the university by paying the prescribed condonation fee. Condonation will not be granted if the break in study exceeds two years or if the student fails to complete the programme within the maximum permitted duration ($N \times 2$).