ANNAMACHARYA UNIVERSITY

(Estd A.P. Private Universities (Establishment and Regulation) Act, 2016)

RAJAMPET-516126, YSR Kadapa District, A.P, INDIA

COLLEGE OF PHARMACY

ACADEMIC REGULATIONS (AU26) AND COURSE STRUCTURE

For the students admitted to

B.Pharm., Regular Four-Year Undergraduate Degree Programme from the Academic Year 2026-27

B.Pharm., Lateral Entry Scheme from the Academic Year 2027-28

Imparting Value based Quality Education with Morals Centre for Excellence in Pharmacy Education & Research

VISION AND MISSION OF THE UNIVERSITY

VISION

To be a globally recognized university by providing value-based education and promoting innovation and research for societal betterment

MISSION

The mission of the University is:

1. To embody 'Vidwan Sarvatra Pujyathey'.
2. To deliver high-quality education by encouraging research, innovation, and critical thinking
3. To nurture upright individuals by fostering an inclusive environment and inspiring service to society

GRADUATE ATTRIBUTES(GA's)

Graduate Attributes(GAs) represent the key competencies and professional qualities expected from every pharmacy graduate, irrespective of the program such as B.Pharm, Pharm.D or M.Pharm. While the level of mastery may vary, these attributes remain common and guide the overall outcomes of pharmacy education.

Pharmaceutical Knowledge Proficiency

Strong grounding in core and applied pharmaceutical sciences and practice.

Scientific and Analytical Thinking

Ability to critically analyze data, processes, and clinical information.

Ethical and Professional Integrity

Commitment to ethical conduct, patient safety, and regulatory compliance.

Patient-Centered Orientation

Sensitivity to patient needs, cultural diversity, and health care outcomes.

Industry and Practice Readiness

Preparedness for roles in industry, hospitals, community pharmacy, research, and regulation.

Digital and Technological Awareness

Familiarity with AI, data analytics ,automation, and modern pharmaceutical technologies.

Effective Communication Skills

Clear,empathetic, and professional interaction across health care settings.

Team work and Leadership Skills

Ability to collaborate, lead, and contribute constructively in teams.

Innovation and Problem-Solving Mindset

Capability to identify problems and develop practical, evidence-based solutions.

Life long Learning Orientation

Motivation for continuous professional development and higher education.

PROGRAMME EDUCATIONAL OBJECTIVES

The Bachelor of Pharmacy (B. Pharm) programme aims to prepare graduates with strong knowledge of pharmaceutical sciences, practical skills, professional ethics, and a commitment to patient care and public health. The graduates of the programme are expected to achieve the following Programme Educational Objectives (PEOs):

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, manufacturing, pharmaceutical analysis, quality control, and pharmacy practice.

PEO 3:

Use scientific reasoning and problem-solving skills to address challenges related to medicines, drug development, and patient care.

PEO 4:

Practice pharmacy with ethical responsibility, effective communication, teamwork, and a strong concern for patient safety and public health.

PEO 5:

Pursue continuous learning and professional development to keep pace with advances in pharmaceutical sciences and healthcare.

PROGRAMME OUTCOMES (POs)

Bachelor of Pharmacy (B. Pharm)

PO1: Pharmacy Knowledge

Apply comprehensive knowledge of pharmaceutical sciences, biomedical sciences, pharmacology, pharmacognosy, pharmaceutical chemistry, pharmacy practice, and manufacturing processes to understand drug actions, disease mechanisms, and therapeutic interventions, and to 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 decision-making.

PO3: Pharmaceutical Skills & Practice

Demonstrate proficiency in formulation development, analysis, quality assurance, pharmacovigilance, clinical pharmacotherapy, and pharmacy practice through laboratory work, simulations, internships, and experiential learning.

PO4: Modern Tools, AI & 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 and ethical use.

PO5: Research & Innovation

Design and conduct basic research, analyze data, interpret results, and contribute to innovation through research projects, startup initiatives, and problem-based learning relevant to industry, healthcare, and society.

PO6: Professional Ethics & 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 & Interpersonal Skills

Communicate effectively with patients, healthcare professionals, industry personnel, and society through clear documentation, reports, presentations, counseling, teamwork, and interdisciplinary collaboration.

PO8: Leadership, Management & Entrepreneurship

Demonstrate leadership, teamwork, planning, and managerial skills in pharmaceutical organizations, healthcare systems, quality systems, and entrepreneurial ventures, including innovation and startup ecosystems.

PO9: Pharmacist & Society

Evaluate public health, patient safety, legal, 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, and promote environmentally responsible practices, green pharmacy principles, and sustainable healthcare aligned with the United Nations Sustainable Development Goals (SDGs).

PO11: Life-Long Learning & 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 and evolving healthcare need

GLOSSARY

KEYWORD	DEFINITION
Ability Enhancement Courses	Courses of varying durations which are optional, and offered in The curriculum that improves the understanding of the subject and enhance ability of the students.
Academic Calendar	The schedule of the institution for the academic year, giving Details of all academic and administrative events.
Assessment	Performance evaluation based on certain established criteria
Attainment of Course Outcomes (COs)	Cos are to be attained by all students at the end of a formal course. While the method of computation of attainment of COs is not unique, each institution has to follow a well-defined direct method of computing CO attainment based on the student performance in all assessment instruments ,and in direct method of computing COsthrough course exit survey of students
Bloom's Taxonomy	A hierarchical framework used to classify educational learning objectives into levels of complexity and specificity, utilized here To design question papers and assessment tools.
Choice Based Credit System (CBCS)	A mode of learning in higher education which facilitates a student to have some freedom in selecting his/her own choices, across various disciplines for completing a UG/PG program.All UG and PG programs, as per UGC,have to implement CBCS
Co-Curricular Activities	Activities,which support the curriculum such as fieldtrips, hospital visits, community medicine shops, display of academic achievements, quiz, debate, discussion, seminars, role-play, etc
Collaboration	Formal agreement/understanding between any two or more institutions for training, research, student/faculty exchange or Extension support.

Continuous Assessment	A component of internal assessment that evaluates regular engagement, including attendance and student-teacher interaction.
Counseling	Assisting and mentoring students individually or collectively for academic, career, personal and financial decision-making.
Course	A course is a unit of 1 to 6 credits in a formal program.A 3-credit course will have three classroom sessions of one-hour duration during each week for the entire semester.
CourseOutcomes(COs)	Cos are statements that describe what students should be able to Do at the end of a course.
Credit	A credit system is a systematic way of describing an educational programme by attaching credits to its components as a unit of measure for academic work. One (1) credit is assigned for every one hour of lecture per week or every two hours of practical (laboratory)work perweek.For internship and projects,30hours equals1credit.
Cumulative Grade Point Average(CGPA)	A calculation based on the SGPA of all eight semesters, used to Determine the final class and rank.
E-learning Resources	Learning resources available on Internet
Elective Courses	A choice available to students to select from among a large number Of Courses
Enrichment Courses	Value added courses offered by institution for student empowerment. They enhance the curriculum by amplifying, supplementing and replacing such parts or features as have Become in effective or obsolete.
Evaluation Process	Assessment of learning,teaching and evaluation process and Reforms to increase the efficiency and effectiveness of the system.

Experiential Learning	Is a process of learning through experience and is more Specifically defined as “learning through reflection on doing”.
Field Project	Formal projects students need to undertake that involve Conducting surveys outside the college/university premises and collection of data from designated communities or natural places
Graduate Attributes	The disciplinary expertise or technical knowledge that has traditionally formed the core of most university courses. They are qualities that also prepare graduates as agents for social good in an unknown future.
Grievance Redressal	Mechanisms for receiving, processing and addressing
	Dissatisfaction expressed, complaints and other formal requests made by learners, staff and other stakeholders on the institutional provisions promised and perceived.
ICT	Information and Communication Technology Consists of the hardware, software, networks and media for the collection, storage, processing, transmission and presentation of information (voice, data, text ,images)as well as related services.
Internal Examination Committee	A body chaired by the Principal that plans the internal assessment calendar, approves question paper patterns, and addresses student grievances regarding internal marks.
Internship	A mandatory period of at least 120 hours of work in a pharmaceutical industry, hospital, or clinical research organization, typically completed after Semester V and VI under An identified mentor.

Learning Outcomes	Specific intentions of a Programme or module,written in clear terms. They describe what a student should know, understand, or be able to do at the end of that Programme or module
Levels of Outcomes	Programme Educational Objectives(PEOs): PEOs are broad statements that describe the professional achievements and career accomplishments that graduates are expected to attain a few years after completing the programme. Programme Outcomes (POs): Pos are statements that describe the knowledge ,skills, and competencies that students should acquire by the time they graduate from the programme. Course Outcomes (COs): Cos are statements that describe what students should be able to know, understand, and perform at the end of a specific course.
Miller's Pyramid	A framework for assessing clinical competence, used to monitor The progress and attainment of pharmacy students.
Multi-disciplinary Courses	Courses of varying durations which are optional, and offered Outside the curriculum in the multidisciplinary areas that
	Encourage understanding of recent trends in allied areas and Helping the students in getting placed.
OBE: Outcome Based Education	OBE is an educational theory that bases each part of an educational System around goals(outcomes).Each student should have achieved the goal by the end of the educational experience
Outcome	An outcome of an educational Programme is what the student should be able to do at the end of a Programme/course/ instructional unit.

Participative Learning	Participatory Learning and Action is a family of approaches, methods, attitudes, behaviours and relationships, which enable and empower people to share, analyze and enhance their knowledge of their life and conditions, and to plan, act, monitor,evaluate and reflect.
Problem Based Learning (PBL)	Is a student-centred pedagogy in which students learn about a subject through the experience of solving an open-ended problem found in trigger material. The PBL process does not focus on problem solving with a defined solution, but it allows for the development of other desirable skills and attributes. This includes knowledge acquisition, enhanced group collaboration and communication.
Programme	A structured set of courses and learning experiences offered over a specified period, leading to the award of a certificate, diploma, or degree recognized by the appropriate regulatory authority(e.g., UGC/PCI).
Program Committee	A committee led by a senior teacher that reviews class progress, discusses curriculum issues,and monitors the attainment of Program outcomes.
Remedial Courses	Courses offered to academically disadvantaged students in order To help them cope with academic requirements.
Research Project	A supervised project carried out in groups of no more than three Students during the final year, relating to an elective subject.
Semester	Aperiod of study consisting of not less than 90 working days.Odd semesters run from June/July to November/December, and even semesters run from December/January to May/June

Semester Grade Point Average (SGPA)	A number representing the weighted average of the grade points obtained in all courses during a single semester.
Sessional	Tests conducted for each course during the semester, the average Of which contributes to the internal assessment marks.
Skill Enhancement Courses	Courses of varying durations which are optional, and offered in the curriculum that develop the required skills and helping the Students in getting placed.
Progression	Vertical movement of students from one level of education to the Next higher level successfully or towards gainful employment.
Value Added Courses	Courses of varying durations which are optional, and offered outside the curriculum that add value and helping the students in getting placed.

ACADEMIC RULES AND REGULATIONS OF FOUR-YEAR B. PHARM REGULAR

DEGREE PROGRAMME

APPLICABLE FOR THE STUDENT BATCHES ADMITTED FROM THE ACADEMIC YEAR 2026-27

APPLICABLE FOR THE STUDENTS (Lateral Entry) ADMITTED FROM THE ACADEMIC YEAR 2027-28

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1. PREAMBLE

Annamacharya University, is a private University, established under the brownfield category as per the Andhra Pradesh Private Universities (Establishment and Regulation) Act of 2016 (Act No. 3 of 2016), subsequently amended by Act No. 2 of 2024, as published in the Extraordinary Gazette of Andhra Pradesh via gazette notification G.O.Ms. No. 13 dated 13.03.2024. The University Grants Commission (UGC) has included it in the list of UGC-listed Universities vide letter F.8-22/2024 (CPP-I/PU)-148904, dated 03.04.2025. Annamacharya University, Rajampet, relentlessly aims to achieve academic excellence by implementing new initiatives in teaching-learning and evaluation processes. Based on the directions of the University Grants Commission (UGC), New Delhi, PCI and Andhra Pradesh State Council of Higher Education (APSCHE), the university has adopted the PCI and APSCHE model curriculum with minor modifications to match the needs, expectations, and skill sets of students in the state, in both the undergraduate and postgraduate programs offered from the academic year 2026-27. Annamacharya University is promoting enhanced learning abilities through the integration of various skills into the curriculum, including (a) Critical Thinking, (b) Problem Solving, (c) Analytical Reasoning, (d) Scientific Reasoning, (e) Reflective Thinking, and (f) Design Thinking etc.,

OBJECTIVES:

The objectives of offering B.Pharm program are:

- To provide quality education and training in pharmaceutical sciences to develop competent and skilled pharmacists.
- To empower students to serve society by promoting the safe, effective, and responsible use of medicines.
- To encourage research and innovation in pharmaceutical and health sciences for the betterment of human health.
- To develop responsible health professionals who contribute to the healthcare system and the overall development of the nation.

Academic Council:

The academic council in a private university plays a pivotal role in maintaining and enhancing the academic standards and quality of education. The academic council coordinates and exercises general supervision over the academic policies of the university.

The Department Board of Studies (BoS):

Each department within the School of Pharmacy will have a Board of Studies common to the UG, PG, and Doctoral programs offered by the department. The Dean/Head of the department

will serve as the Chairman of the Department Board of Studies. The Board of Studies has been constituted as per the guidelines of the university statutes. The rules, regulations, curriculum, syllabus, and other academic matters shall be approved by the Board of Studies before being placed in the Academic Council and subsequently the Board of Management.

Office of the Dean, Academics:

The office of the Dean, Academics, is responsible for the implementation of the decisions taken on academic matters by the Academic Council.

The office:

- Receives, processes, and maintains all records relating to the programs, including curricula, courses offered, academic calendar, registration, assessments, and grades.
- Disseminates information pertaining to all academic matters, issues necessary memoranda/orders, and acts as a channel of communication between the students, instructors, and departments.
- Provides information about various academic programs, rules, and regulations to students.

2. REGULATIONS COMMENCEMENT

- The regulations are quite comprehensive and include definitions of key terms, semester system, credit system, grading system, and other relevant details.
- The regulations detailed herein shall apply to all the regular under-graduate programmes offered by the University.
- The regulations shall be applicable and come into force to the student batches admitted from the academic year 2026-27 and Lateral Entry students admitted from the academic year 2027-28.
- The University may revise, amend or change the regulations, scheme of examinations and syllabi, from time to time, if found necessary and on approval from the Academic Council of the University, keeping the recommendations of the Board of Studies (BoS) in view.
- Any or all such amendments shall be effective from such date and to such batches of students including those already undergoing the programme, as may be approved through Academic Council of the University.
- These regulations shall be called AU26 Regulation

3. ELIGIBILITY FOR ADMISSION

3.1 Admission into Pharmacy Under Graduation Programmes (Regular)

The eligibility criteria for admission into pharmacy undergraduate programmes offered at Annamacharya University shall be as prescribed by PCI, statutes and Ordinances of the University and Higher Education Department, the Government of Andhra Pradesh.

The criteria are given below:

First year B.Pharm:

- The candidate shall be an **Indian National / NRI.**
- The candidate should have completed **16 years of age as on 31st December** of the academic year for which the admissions are being conducted.
- A candidate shall have passed the **10+2 examinatio**n 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 **Indira Gandhi National Open University** and **National Institute of Open Schooling**., with English as one of the subjects and with Physics and Chemistry as compulsory subjects, along with either Mathematics or Biology.
- Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

3.2 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.**

Seats in each programme in the University are classified into two categories i.e., Brownfield and Greenfield. Further under brownfield category seats are filled through two categories, i.e., Category – A and Category – B as per the GOs of Andhra Pradesh.

BROWNFIELD CATEGORY:

The existing institution is converted into a brownfield university. The admission of students into the existing approved intake will be regulated by the admission rules and seat-sharing policies applicable to the University, as defined under Section 2(4-A) of the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016. This means that 70% of the seats in the existing courses at the university will be filled through the convener of EAPCET. In this category, the seats are filled through Convener quota /

Category – A and Management Quota / Category – B. Category – A Seats (70% of seats)

These seats shall be filled through counselling as per the rank secured by a candidate in the

Common Entrance Test (EAPCET) conducted by the Government of Andhra Pradesh and as per other admission criteria laid down in the GOs.

Category – B Seats (30% of seats):

These seats shall be filled by the University through AUET and the GOs issued by the Government of Andhra Pradesh from time to time. Annamacharya University Entrance Test (AUET) is conducted across India for those seeking admission to pharmacy programmes offered by Annamacharya University. The eligibility criteria for appearing for AUET, the format, and other details will be specified in the application form and will be determined by the Office of the Director, Admission, Annamacharya University for the respective year of admissions.

GREENFIELD CATEGORY:

Furthermore, the admission rules for the brownfield university regarding any additional intake, new courses, or additional courses approved after conversion shall follow the regulations applicable to a greenfield university.

The university shall reserve 35% of seats in engineering, science, and other programs for the Government Quota and admit students in accordance with the rules prescribed for any additional intake in existing programs, as per the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016.

Category – A Seats (35% of seats)

These seats shall be filled through counselling as per the rank secured by a candidate in the Common Entrance Test (EAPCET) conducted by the Government of Andhra Pradesh and as per other admission criteria laid down in the GOs.

Category – B Seats (65% of seats):

These seats shall be filled by the University through AUET and the GOs issued by the Government of Andhra Pradesh from time to time. Annamacharya University Entrance Test (AUET) is conducted across India for those seeking admission to B.Pharmacy programmes offered by Annamacharya University. The eligibility criteria for appearing for AUET, the format, and other details will be specified in the application form and will be determined by the Office of the Director, Admission, Annamacharya University for the respective year of admissions.

3.2 Admission into Second Year (Lateral Entry Scheme)

A candidate shall be admitted into the third semester (II year I semester) based on the rank secured by the candidate in the **Common Entrance Test (ECET)** by the Government of Andhra Pradesh and **AUET examination** conducted by university as per other admission criteria laid down in the Ordinances and Principal Act.

3.2 Authority for Admission:

Any matter related to admission to the B.Pharm., programme, the decision of the Office of the Director, Admissions is final.

3.3 Revoking / Cancellation of Admission:

All students admitted provisionally to any program must submit copies of their **original mark sheets, provisional certificates, and any other documents** required by the Director of Adm by the last date specified in the Academic Calendar of Annamacharya University.

The Registrar, based on the recommendation of the Director of Admissions, may cancel the admission of any student who fails to submit the prescribed documents by the specified date or does not meet other stipulated requirements. Additionally, the Registrar may cancel the admission later if it is discovered that the student provided false information, suppressed information, misrepresented facts, or forged documents while seeking admission or thereafter, and report the matter to the Vice Chancellor.

4. MEDIUM OF INSTRUCTION

The medium of instruction shall be **English** for all the courses including their content delivery and examinations, seminars, presentations, and project evaluation as prescribed in the programme curriculum.

5. B.PHARM PROGRAMME STRUCTURE

The structure of the B.PHARM . Programmes on offer at Annamacharya University is based on the Choice Based Credit System (CBCS) as defined by the UGC and the curriculum / course structure as suggested by the PCI, UGC and APSCHE in its Model Curriculum.

Semester Scheme

- The Programmes offered at Annamacharya University follow semester scheme pattern.
- The duration of a B.Pharm.Programme shall be of 4 academic years for 4-year B. Pharm programmes and 3 academic years for 3-year B. Pharm programmes in lateral entry scheme.
- Each academic year shall have 2 semesters i.e., odd and even semesters and shall be counted as I Year I Semester, I Year II Semester, and II Year I Semester and so on up to IV Year II semester.
- Each semester shall consist of **16 weeks of instructions/90 working days**
- A break of not less than 7 days shall be provided between the semesters.
- Each semester is structured to provide credits totalling to **193 credits** for the entire B.Pharm. Programme.
- Each semester shall have Continuous Internal Evaluation (CIE) and Semester End

Examination (SEE) for both Theory and Lab courses.

- Each student is required to secure a total of **193 credits** with a **CGPA ≥ 5** for the completion of the UG programme and the award of the B.Pharm .Degree.
- A student after securing admission into a 4-year B.Pharm Programme at Annamacharya University shall pursue and acquire B.Pharm degree in a minimum period of four academic years i.e., 8 semesters and a maximum period of eight academic years i.e., 16 semesters starting from the date of commencement of I year I semester, failing which the student shall forfeit the seat in B.Pharm Programme.
- A student after securing admission into a 3-year B.Pharm Programme (Lateral Entry) at Annamacharya University shall pursue and acquire the B.Pharm Degree in a minimum period of three academic years i.e., 6 semesters and a maximum period of six academic years i.e., 12 semesters starting from the date of commencement of II year I semester, failing which the student shall forfeit the seat in B.Pharm programme.
- University shall take measures to implement Virtual Labs (https://www.vlab.co.in) which provide remote access to labs in various disciplines and will help student in learning basic and advanced concepts through remote experimentation. Student shall be made to work on virtual lab experiments during the regular labs.

6. COURSES AND CREDIT STRUCTURE

Credit: A credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (Lecture/Tutorial) or two hours of practical work/field work/project per week.

Academic Year: Two consecutive (one odd + one even) semesters constitute one academic year.

Choice Based Credit System (CBCS): CBCS provides choice for students to select from the prescribed courses.

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.

Credit assignment

Each course is assigned certain number of credits based on following criterion.

Type of Class	Semester	
	Periods per Week	**Credits**
Theory (Lecture/Tutorial)	01	01
	01	1
Practical	02	1
	03	1
	04	2
Project Work		06
Internship	8	4

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 depend 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 **3 credits.** Similarly, a practical course with four laboratory hours per week throughout the 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.

Minimum credit requirements

The minimum credit points required for award of a **B.Pharm degree is 193**. These credits are distributed across Theory courses, Practical courses, Internship and Project over the duration of eight semesters. Courses generally progress in sequences, building competencies, and their positioning indicates certain levels of academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

Total Credits per Semester(B.Pharm)

I	21
II	26
III	25
IV	**19**
V	**26**
VI	**22**
VII	**30**
VIII	24
Grand Total	193

B.Pharm(Lateral entry):

The lateral entry students shall take additional courses, namely **Healthcare Psychology and Communication Skills (Theory and Practical) and Basics of Python Programming for Pharmaceutical Sciences (Theory) during Semester III,** and **Applied Biostatistics and Data Analytics for Pharmaceutical Sciences (Theory) during Semester IV of the programme.**

The lateral entry students shall be awarded 47 credit points, equivalent to the cumulative credits earned as per the scheme of their Diploma in Pharmacy (D.Pharm.) programme, upon successful completion of the above-mentioned courses. Out of the total 47 credits, **41 credit**s shall be accounted for the Diploma programme, and the **remaining 6 credits** shall be awarded for the above-mentioned additional courses. The 41 credits accounted for the lateral entry students shall be recorded in the Semester III marks sheet.

Credit distribution for lateral entry students

Semester	Total Credits
Diploma	41
III	29
IV	**21**
V	**26**
VI	**22**
VII	**30**
VIII	24
Grand Total	193

Every B. Pharm . Programme of study shall be designed to have theory and laboratory courses. In addition, a student shall carry out internship, project, socially relevant project, and other mandatory courses as prescribed in the curriculum of the Programmes.

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 Table.

Credits	Maximum Marks	Internal Assessment	External Assessment
4	100	40	60
3	75	30	45
2 or1	50	20	30

6.1. TYPES OF COURSES

All subjects/ courses offered for the B.Pharm. programme are broadly classified as follows. The University has followed the guidelines issued by UGC/PCI.

S.No.	Broad Course Classification	Course Category	Description
1.	Foundation Courses	Fundamental courses	Includes sciences, humanities, social sciences and engineering courses
2.	Core Courses	Professional Courses (PC) Core	Includes core subjects related to the programme.
3.	Ability Enhancement Courses (AEC)	Professional Elective Courses (PE)	Includes elective subjects related to the programme.
4		Open Elective Courses (OE)	Electives which include multidisciplinary subjects in an area outside the programme.
5.	Skill Courses	Skill Enhancement Courses (SEC)	Courses to develop and strengthen the necessary skills to gain, maintain, and advance in a chosen area.
6	Value Addition Courses (VAC)	Value Added Courses	Adds Value to the Program
7	Project & Internships	Project	B. Pharm. Project or Major Project
8	Internships	Internships	Community based and Industry Internships

6.1.1. Professional Core Courses

Professional Core Course is to be completed by all students of respective programme before they can move on to the next semester.

6.1.2. Professional Core Electives

PCI has come up with the Choice Based Credit System (CBCS) in which the students have a choice to choose from the prescribed courses, which are referred as **Professional core elective which are subdivided into**

1. Skill enhancement courses

2. Ability enhancement courses

1. Skill enhancement courses

There shall be skill-oriented courses offered in **6th semester**.

Skill oriented / skill advanced courses carry 1 credits

For skill oriented/skill advanced course, 2 practical hours may be allotted as per the decision of concerned BOS.

All the Professional and Open elective courses shall be offered credits. Students have to register for professional core electives courses from the list of track-wise professional elective course as prescribed in the course structure of the programme.

The following points are considered for a Professional Elective Course.

- **Maximum strength of a Class/Section for each semester shall be 50-60.**
- A course may be offered to the students, only if **1/3 of the Class strength** opts for it.
- The selection of course based on the choice for students shall be on 'first come first serve' through online and offline registration.
- The Head of the department or concerned shall decide, whether or not to offer such course keeping in view the resources available in the department offering the course.

2. Ability enhancement courses

PCI has come up with the Choice Based Credit System (CBCS) in which the students have a choice to choose from the prescribed courses, which are referred as **Professional core elective courses.**

There shall be ability enhancement courses offered in **8th semester**

Each carry 1 credits

For ability enhancement courses, 1 to 2 practical hours may be allotted as per the decision of concerned BOS.

All the Professional elective courses shall be offered credits. Students have to register for professional core electives courses from the list of track-wise professional elective course as

prescribed in the course structure of the programme.

The following points are considered for a Professional Elective Course.

- **Maximum strength of a Class/Section for each semester shall be 50-60.**
- A course may be offered to the students, only if **1/3 of the Class strength** opts for it.
- The selection of course based on the choice for students shall be on 'first come first serve' through online and offline registration.
- The Head of the department or concerned shall decide, whether or not to offer such course keeping in view the resources available in the department offering the course.

6.1.3. Open Electives:

PCI has come up with the Choice Based Credit System (CBCS) in which the students have a choice to choose from the prescribed courses, which are referred as **Open Elective courses.**

Every student shall earn prescribed credits by choosing the open elective courses from the list of Open Electives given in the Curriculum. Open electives are to be chosen from the repository of inter-disciplinary MOOCs courses offered by NPTEL or any other recognized Institutions/Organization. Students shall consult their mentors before opting for an open elective course (MOOCs). Further students from a particular program/branch can opt for one Open Elective offered by their concerned department. However, one Open Electives is inter-disciplinary and shall be offered by other branches

These are further divided into

1. Skill enhancement courses

There shall be skill-oriented courses offered in **2nd semester**.

Skill oriented / skill advanced courses carry 1 credits

For skill oriented/skill advanced course, 2 practical hours may be allotted as per the decision of concerned BOS.

All the Open elective courses shall be offered credits. Students have to register for open electives courses from the list of track-wise elective course as prescribed in the course structure of the programme.

The following points are considered for a open Elective Course.

- **Maximum strength of a Class/Section for each semester shall be 50-60.**
- A course may be offered to the students, only if **1/3 of the Class strength** opts for it.
- The selection of course based on the choice for students shall be on 'first come first serve' through online and offline registration.
- The Head of the department or concerned shall decide, whether or not to offer such

course keeping in view the resources available in the department offering the course.

2. Ability enhancement courses

PCI has come up with the Choice Based Credit System (CBCS) in which the students have a choice to choose from the prescribed courses, which are referred as **Open Elective courses.**
There shall be ability enhancement courses offered in **3 rd,6 th semester and 7th semester**
Each carry 1 credits
For ability enhancement courses, 1 to 2 practical hours may be allotted as per the decision of concerned BOS.
All the Open elective courses shall be offered credits. The following points are considered for a open Elective Course.

- **Maximum strength of a Class/Section for each semester shall be 50-60.**
- A course may be offered to the students, only if **1/3 of the Class strength** opts for it.
- The selection of course based on the choice for students shall be on 'first come first serve' through online and offline registration.
- The Head of the department or concerned shall decide, whether or not to offer such course keeping in view the resources available in the department offering the course.

Every student shall earn prescribed credits by choosing the open elective courses from the list of Open Electives given in the Curriculum. Open electives are to be chosen from the repository of inter-disciplinary MOOCs courses offered by NPTEL or any other recognized Institutions/Organization. Students shall consult their mentors before opting for an open elective course (MOOCs).
Further students from a particular program/branch can opt for one Open Elective offered by their concerned department. However, one Open Electives is inter-disciplinary and shall be offered by other branches.

6.1.4. Massive Open Online Courses as Open Elective MOOCs

To promote self-learning and lifelong learning, students are encouraged to enroll in Massive Open Online Courses (MOOCs) offered through **SWAYAM, SWAYAM Plus, and NPTEL** or other University-approved platforms.

A student may earn up to **40%** of the total credits prescribed in a semester through MOOCs, subject to the University's guidelines and equivalence requirements.

Further, every student shall mandatorily complete at least two MOOC course before the commencement of the IV Year II Semester.

The following are guidelines for MOOC courses.

i. Students may earn a maximum of 40% of the credits in a semester through MOOCs for PE, OE, and SEC. Further, students of III and IV year are also permitted to pursue Core Courses (CC) through MOOCs.

ii. The all the courses for Honors and Minors may studied through MOOCs platform

iii. Students shall register for MOOC courses of a minimum duration of either 8 weeks or 12 weeks with the prior approval of the Head of the Department. Credits shall be awarded as follows:

    a) 2 credits for an 8-week course
    b) 3 credits for a 12-week course

iv. The Head of the Department shall nominate a faculty mentor to monitor the academic progress of students enrolled in MOOCs. It is also responsibility of the mentor to see that the registered subjects is in the approved list provided by the university.

v. Students shall have the option to choose either the regular offline (classroom) mode or the SWAYAM mode for a particular subject. However, a student shall not be permitted to opt for both modes simultaneously for the same subject. Students opting for SWAYAM shall be exempted from attending regular classroom sessions for that subject, and attendance shall not be counted. Further, Institution should not insist the student to opt SWAYAM course compulsorily.

vi. All students in a class are not required to opt for the same SWAYAM course. Institutions shall arrange regular classes for students opting for offline mode, while the same faculty member may act as a mentor for students enrolled in the SWAYAM course. If all students opt for a SWAYAM course, the subject need not be included in the timetable; however, a mentor shall be assigned to address student queries as per mutual convenience.

vii. Students who completed the prescribed assignments successfully and secured at least 40% of the internal marks shall be permitted to appear for the end-semester examination conducted either by the National Testing Agency (NTA)/NPTEL or by the University/institution. University-conducted examinations shall be held along with regular end-semester examinations, with

a weightage of 70% for the end-term examination and 30% for assignments and quizzes evaluated by the SWAYAM Course Coordinator.

viii. Credits shall be awarded only upon submission of a successful course completion certificate. Internal marks obtained through SWAYAM shall be extrapolated to 30 and external marks interpolated to 70, and shall exactly correspond to the marks secured by the student in the SWAYAM course.

ix. In case where University-prescribed passing marks are higher than SWAYAM's minimum requirements, the University norms shall prevail. In such cases, even if a student submits a SWAYAM certificate but fails to secure the University's minimum passing marks, the student shall be declared unsuccessful and must appear for the supplementary examination.

x. In cases where a student obtains less than the prescribed minimum internal marks (12 out of 30) in a SWAYAM course, and the said course is not offered again in the subsequent semester, the University may, through a special notification, conduct a full-course supplementary examination for 100 marks during the final semester of the programme. The examination shall be conducted in accordance with the University question paper pattern for **70 marks**, strictly following the University-prescribed syllabus and it will be extrapolated to 100.

xi. Students who have qualified in the proctored examinations conducted through MOOCs platform can apply for credit transfer as specified and are exempted from appearing internal as well as external examination (for the specified equivalent credit course only) conducted by the university.

6.1.5 Value added courses

PCI has come up with the Choice Based Credit System (CBCS) in which the students have a choice to choose from the prescribed courses

There shall be value added courses offered in **6 th semester and 8th semester**

Each carry 1 credits

For these courses, 2 hours may be allotted as per the decision of concerned BOS.

6.1.6 Mandatory Courses

- Courses such as Environmental Sciences, Gender sensitization, and Technical Paper Writing & IPR are offered as non-credit mandatory courses for all the undergraduate students.
- A student shall pursue mandatory courses as specified in the course structure of the

B.Pharm. Programme.

- These courses are among the compulsory courses and do not carry any credits.
- A student has to secure 50 marks out of 100 in the Internal Examination, shall be necessary requirement for the student to qualify for the award of Degree.
- Result of mandatory courses shall be declared with "Pass" or "Fail" performance in the Comprehensive Marks Memo.
- No marks or letter grade shall be allotted.
- Attendance in the mandatory course shall be considered while calculating aggregate
- Attendance

6.1.7 Universal Human Values (UHV) Courses

The Universal Human Values course carries 1 credits. The assessment is to provide a fair state of development of the student, so participation in classroom discussions, self assessment, peer assessment etc. will be used in evaluation. A student must secure 50% marks out of 50 in the CIE and SEE together to qualify for the award of the degree. The distribution shall be 20 marks for continuous internal assessment and 30 marks for semester end examination.

Credit-1

Total Marks-50

Internal-20

External-30

6.1.8 Language Electi ve

The Language Elective course carries 1 credit. Students must register for either German, French, Spanish, or Arabic based on their choice and complete the online certificate course in the semester it is offered. One hour is allocated in the regular timetable, and the teacher will guide the students, if they encounter any difficulties during the course.

Evaluation will include participation in classroom discussions, self-assessment only.

The course will be graded on a Pass/Fail basis. A pass grade is awarded upon verification of the completion certificate.

Failure to complete the course within the stipulated time frame will result in no credit being awarded, and the elective will need to be retaken.

A committee shall be formed at the level of the University to evaluate the grades/marks given for a course by external agencies and convert to the equivalent marks/grades. The recommended conversions and appropriate grades/marks are to be approved by the Academic Council of the University.

6.1.9.

7. Evaluation Process

The performance of a student in each semester shall be evaluated course-wise with a maximum of 100 marks for Theory and 50 marks for Lab Course.

- For a Theory course of **4 credits** , the distribution shall be 40 marks for Internal Evaluation and 60 marks for End-Evaluation.
- For a Theory course of **3 credits** , the distribution shall be 30 marks for Internal Evaluation and 45 marks for End-Evaluation.
- For a Theory course of **2 credits** , the distribution shall be 20 marks for Internal Evaluation and 30 marks for End-Evaluation.
- For a Lab course, the distribution shall be 20 marks for Internal Evaluation and 30 marks for end exam.

Credits	Maximum Marks	Internal Assessment	Duration	External Assessment	Duration
4	100	40	**1.5 Hours**	60	3 Hours
3	75	30	1 Hour	45	2 Hours
2 or1	50	20	1 Hour	30	1.5 Hours

Project Work shall be evaluated for 150 marks. Mandatory courses with no credits shall be evaluated for 100 marks.

7.1 Internal Evaluation (Theory and Lab)

For a Theory Course, 40 marks are allotted for Internal Evaluation. Two Internal examinations (Theory Internal Examinations) shall be conducted for a Theory Course during a semester, and they shall be evaluated for 40 marks of which 20 marks are given for Continuous Internal Examination and 10 marks for attendance and student teacher interaction,10 marks for academic activities

Internal assessment: Continuous mode

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

Scheme for awarding internal assessment: Continuous mode

a.Theory

Theory – Internal assessment pattern of marks distribution

Theory		**Internal assessment pattern of marks distribution**				
Credit Type	**Max. Marks**	**Total**	**Attendance**	**Student–Teacher Interaction**	**Academic Activities**	**Internal**
					Any three: quiz, assignment, open book test, field work, group discussion, seminar,etc.)	**(Average of two tests)**
4	100	40	4	6	10	20
3	75	30	3.5	4	7.5	15
2 or 1	50	20	2	3	05	10

For Example:

Marks obtained in first mid: 35

Marks obtained in second mid: 30

Final mid semester Marks: 75/2 =35 Marks

For Example:

Marks obtained in first mid: Absent

Marks obtained in second mid: 35

Final mid semester Marks: 35+0/2=17.5

b. Lab

Lab –Internal assessment pattern of marks distribution

Theory		**Internal assessment pattern of marks distribution**				
Credit Type	**Max. Marks**	**Total**	**Attendance**	**Student–Teacher Interaction**	**Based on Lab Records Regular viva voce,etc.**	**Internal (Average of two tests)**
2 or1	50	20	**02**	**03**	05	10

Duration of exam

Credits	Maximum Marks	Internal Marks	Duration	External Marks	Duration
4	100	40	**1.5 Hours**	60	3 Hours
3	75	30	1 Hour	45	2 Hours
2 or1	50	20	1 Hour	30	1.5 Hours

For Lab 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 a three-hour duration for the sessional and end-semester examinations.

Guidelines for the allotment of marks for attendance

Percentageof Attendance	Theory			Practical
	4 Credit	3 Credit	2or1 Credit	
90– 100	4	3.5	2	2
85 – 89	3	2.5	1.5	1.5
75 – 84	2	1.5	1	1
Lessthan75	0	0	0	0

For Lab Course, there shall be a continuous internal evaluation during the semester for 20 marks.

7.1.1. Theory internal evaluation

Two Sessional exams hall 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.

Internal Assessment Question Paper Pattern (Theory)

Type of questions	4 Credit Course	3Credit Course	2or1 Credit Course
I. Multiple Choice Questions(MCQs)Or Objective Type Questions	4×1Mark each or 2×2 Marks each (Compulsory)	2×1Markeach (Compulsory)	2×1Markeach (Compulsory)
II.Short Answers	2×3Marks each (2out of 3)	2×3Marks each (2out of 3)	1×3Marks each (1out of 2)
III.Long Answers	1×10Marks each (1out of 2)	1×7Marks each (1out of 2)	1×5Marks each (1out of2)
Max.Marks	20	15	10
Duration	1 Hour	1 Hour	1 Hour

7.1.2. Lab internal evaluation

Internal Assessment Question Paper Pattern(Practical)

Type of questions	2 or 1Credit 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 .

7.1.3 Internal Evaluation of Mandatory Courses

Mandatory courses are offered with no credits. However, a student has to complete Mandatory Courses in order to be eligible for the award of the Degree. There shall be a Continuous Internal Examination for 100 marks. A student shall be declared to have passed the mandatory course only when he/she secures 50% or more in the internal examination. In case, the student fails, a supplementary examination shall be conducted.

7.1.4. Make-up Internal Examination

The student who has missed both the Theory Continuous Internal examinations will be permitted to appear for a Make-up Continuous Internal examination in the event of his/her producing satisfactory evidence of medical sickness. One Make-up internal test shall be conducted immediately after the II Continuous Internal examination in the same semester, covering the total syllabus of FIVE Units in the respective course. This Make-up examination will be given a weightage of **50%**. Make-up tests shall be conducted outside the working hours and there can be even two such examinations on a day.

Student absent for I Internal examination with valid reasons he/ she should produce asupporting document to the department within a week after completion of last internal examination. And the same student absent for same subject in II Internal examination, he/ she should produce a supporting document to the department immediately in order to giving the provision for makeup examination. Make-up internal examinations are not for improvement of marks in Theory Internal examinations. There shall be no make-up internal examinations for a Lab course.

7.1.5 Evaluation of Skill oriented / Skill advanced / Soft Skills course

Course type: Laboratory

Distribution of marks: 20:30

Evaluation Type: Internal Evaluation

A student is evaluated for a maximum of 20 marks with respect to skill-oriented course / Skill advanced courses / Soft skill course. The distribution of marks shall be 20 for internal evaluation and 30 for external evaluation. For Internal Evaluation, day-to-day performance of the student in the laboratory shall be evaluated for 20 marks by the concerned skill-oriented course / Skill advanced courses / Soft skill course class teacher based on experimental evaluation / discussions / results / reports. External evaluation is done for 30 marks in a laboratory end semester examination conducted for hours.

Note: Each skill-oriented course / Skill advanced courses / Soft skill course will have its own evaluation procedure and weightage. The respective department prepare and provide the evaluation format to the student in the beginning of the semester.

7.2 End Evaluation

7.2.1 Theory End Evaluation

The End semester Theory and practical examination shall be conducted as per the scheme and per the credits allotted.Theory End Evaluation is done for 60 marks for 4 credit based subjects,. 45 marks for 3 credit based subjects, 30 marks for 2 credit based subjects. Semester End examination of theory subjects shall be conducted at the end of semester. There shall be Regular and Supplementary End Examinations.

End Semester Question Paper Pattern(Theory)

Type of questions	4 Credit Course	3 Credit Course	2 or1 Credit Course
I. Multiple Choice Questions(MCQs)Or Objective Type Questions	20×1Mark each or 10×2Marks each (Compulsory)	10×1Mark each (Compulsory)	10×1Mark each (Compulsory)
II.Short Answers	5×4 Marks each (5outof 7)	5×4 Marks each (5out of 7)	5×2 Marks each (5out of 7)
III.Long Answers	2×10Marks each (2out of 3)	2×7.5Marks each (2out of 3)	2×5Marks each (2out of 3)
Max.Marks	60	45	30
Duration	3 Hours	2 Hours	1.5 Hours

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7.2.2 Lab End Evaluation

Lab End Evaluation is done for 30 marks, in the form a Lab End Examination that shall be conducted for 3 hours in respective Laboratory. Each lab course will have its own evaluation procedure and weightage.

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	3 or 4 hours

7.2.3 Supplementary Theory / Lab End Examinations

- Supplementary examination shall be conducted along with regular semester end examinations.
- During Semester End Examinations of even semester, supplementary examinations of odd semester shall be conducted and during semester end examinations of odd semester, supplementary examinations of even semester shall be conducted.
- The same schedule is applicable to Supplementary Lab End Examinations. Supplementary examination shall be conducted along with the next batch of students or separately.
- Advanced supplementary shall be conducted only for Final Year II semester Students in view of their higher education pursuits and placement opportunities.
- In case of seminars and comprehensive viva-voce examinations, supplementary seminar / comprehensive viva-voce will be conducted along with the next batch of students. If the next batch of students is not available, a separate supplementary examination will be conducted.
- Supplementary examination should be completed **within 2 months of publishing** results of regular end semester examination. The proposed end semester examinations are to be conducted as per the schedule below.

Tentative schedule of end semester examinations

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

7.2.4 Challenge Evaluation, Revaluation and Recounting

Students may visit Examination Section Webpage for Norms and Procedures for Challenge Evaluation, Revaluation and Recounting of Answer Scripts.

8.0 Internship and Project Evaluation

8.1 Summer Internship / Research Internship (Hospital / Govt. / NGO / MSME / Online)

A student shall carry out a mandatory Internship **for 4 credits** in 2nd year 2nd semester during summer vacation and it is evaluated during 3 rd year 1st semester. A student shall carry a mandatory Pharmaceutical/ Cosmetics/ Medical Devices/ Food Industry, or in a Hospital/Community Pharmacy, or any other relevant field for **4 credits** in 3rd year 2nd semester during summer vacation and it is evaluated during 4th year 1 st semester.

Two summer internships, each with a minimum of **8 hours duration** done at the end of 2 nd and 3rd year, respectively are mandatory. The internship can be done by the students at **Pharmaceutical/ Cosmetics/ Medical Devices/ Food Industry, or in a Hospital/Community Pharmacy, or any other relevant field**.

Minimum of 240 hours of practical training

- A student shall carry out a mandatory Internship for **1 month during summer vacation (120 hrs) for 4 credits** in **2nd year 2nd semester** which will be evaluated in **3rd year 1 st semester**
- A student shall carry out a mandatory Internship for **1 month during summer vacation (120 hrs) for 4credits** in **3rd year 2nd semester** which will be evaluated in **4th year 1st semester**
- Evaluation of the summer internships shall be through the departmental committee. A
- student will be required to submit a summer internship report to the concerned departments and appear for an oral presentation before the departmental committee.
- The report and the oral presentation shall **carry 25% and 75% weightages** respectively.

- In the final semester, the student should mandatorily undergo internships and in parallel he/she should work on a project with well-defined objectives. At the end of the semester the candidates shall submit an internship completion certificate and a project report.
- A student shall also be permitted to submit a project report on the work carried out during the internship. The project report shall be evaluated by an external examiner. The respective departments shall facilitate and monitor the student internship programs.
- Completion of internships is mandatory, if any student fails to complete internship, he/she will not be eligible for the award of degree. In such cases, the student shall repeat and complete the internship. There shall also be mandatory full internship in the final semester of the programme along with the project work.
- 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

8.2 Project Work

- All the students shall undertake a project under the supervision of a teacher and submit a report preferably with the involvement of external mentor from Industry/Hospital/NABL or CDSCO approved labs/Allied or Interdisciplinary field. The project shall be carried out in group not exceeding 4 in number.
- The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages). Students shall be evaluated in groups.
- Project work consists of a presentation of Abstract of the main project in the beginning of 8th Semester. The student shall collect the information related to the project topic and prepare a report, showing his/her understanding of the topic and submit the same to the department before presentation.
- In **semester VII** project shall be evaluated internally for a total of 150 marks. The technical presentation/report shall be evaluated by a committee consisting of Head of the Department along with two senior faculty members of the Department. A student

shall acquire 6 credits assigned, if her/his report is declared Satisfactory by the committee based on Rubrics set by the Department for evaluation.

- In **semester VIII** project shall be evaluated internally for a total of 150 marks .Dissertation Book evaluation shall be carried for 60 marks done by a committee consisting of Dean / HOD, Project Supervisor and senior faculty member of the department and the remaining 90 marks shall be awarded by a committee for Dissertation Presentation consisting of Dean / HOD, project Supervisor and an External Examiner nominated by the Vice Chancellor or Dean Academics.
- The Research Project shall be initiated at the beginning of the VII Semester and the duration of the Project is of two semesters. Evaluation of Project work is for 300 marks with 150 marks in Semester VII for internal evaluation and 150 marks in Semester VIII for external evaluation.
- Internal evaluation of the Research Project in **semester VII shall be for 150 marks**. External evaluation of final Project work viva voce in **IV semester shall be for 150 marks.**
- **A Research Project Review Committee (PRC)** shall be constituted with the Head of the Department as Chairperson, Project Supervisor and one faculty member of the department. Continuous assessment of Research Project in VII & VIII semesters will be monitored by the PRC.
- The candidates shall submit status report by giving seminar in three different phases **(two in VII semester and one in VII semester)** during the research project period.
- The candidates must present in Research Project Review - I, in consultation with Project Supervisor, the title, objective and plan of action of his Project work to the PRC for approval **within four weeks from the commencement of VII Semester**. Only after obtaining the approval of the PRC can the students initiate the project work.
- The Research Project Review - II in VII semester carries marks of 150. Evaluation should be done by the **PRC for 100 marks** and the Supervisor will evaluate the work for the other **50 marks**. The Supervisor and PRC will examine the Problem Definition, Objectives, Scope of Work, Literature Survey in the same domain and progress of the Research Project.

Evaluation of Research Project in Semester VII

S.No.	Evaluation Criteria	Maximum Marks	
		Supervisor (50Marks)	PRC 100Marks)
1	Problem Definition	10	20
2	Objectives&Scope of Work	10	20
3	Literature Survey	10	20
4	ogress of the Research Project	20	40
	TOTAL	**50**	**100**

- The Research Projects in Semester VIII shall be evaluated as per the criteria given in Table below.

Evaluation of Dissertation Book

.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**

Evaluation of Dissertation Presentation

.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 agroup. However, the 90 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.

9. Industry/Field Visits and other Co-curricular Activities:

It shall be Compulsory for students to undertake at least **one industrial/field visit during Semester VII**

to facilities involved in the **manufacturing of drugs, medical devices, food or cosmetics**.Institutions may also organize other **co-curricular activities** to promote holistic learning through **participative,**

problem-based, experiential and innovative pedagogical methods

10. Credit Transfer Policy

Adoption of MOOCs is mandatory, to enable Blended model of teaching-learning as also envisaged in the NEP 2020. As per University Grants Commission (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016, the University shall allow up to a maximum of 40% of the total courses being offered in a particular programme i.e., maximum of 32 credits through MOOCs platform.

i) The University shall offer credit mobility for MOOCs and give the equivalent credit weightage to the students for the credits earned through online learning courses.

ii) Student registration for the MOOCs shall be only through the respective departments of the university, it is mandatory for the student to share necessary information with the department.

iii) The credit transfer policy will be applicable to the Professional & Open Elective courses only.

iv) The department concerned shall identify the courses permitted for credit transfer.

v) The respective department shall notify at the beginning of semester the list of the online learning courses eligible for credit transfer.

vi) The respective department shall designate a faculty member as a Mentor for each course to guide the students from registration till completion of the credit course.

vii) The University shall ensure no overlap of MOOC exams with that of the University examination schedule. In case of delay in results, the University will re-issue the marks sheet for such students.

viii) Students pursuing courses under MOOCs shall acquire the required credits only after successful completion of the course and submitting a certificate issued by the competent authority along with the percentage of marks and grades.

ix) The respective department shall submit the following to the examination section of the University:

a) List of students who have passed MOOC courses in the current semester along with the certificate of completion.

b) Undertaking form filled in by the students for credit transfer.

x) The university shall resolve any issues that may arise in the implementation of this policy from time to time and shall review its credit transfer policy in the light of periodic changes brought by UGC, SWAYAM, NPTEL and state government.

Note: Students shall be permitted to register for MOOCs courses offered through online platforms approved by the University from time to time.

11. Academic Bank of Credits (ABC)

The University has implemented Academic Bank of Credits (ABC) to promote flexibility in curriculum as per NEP 2020 to

i) Provide option of mobility for learners across the universities of their choice

ii) Provide options to gain credits through MOOCs from approved digital platforms.

iii) Facilitate award of certificate/diploma/degree in line with the accumulated credits in ABC

iv) Execute Multiple Entry and Exit system with credit count, credit transfer and credit acceptance from students' account.

12. Attendance Requirements and Detention Policy

A student shall maintain a minimum required attendance of 40% in each subject and 75% in AGGREGATE of all the subjects in a semester.

Shortage of attendance up to 10% i.e., attendance between 65% to 75% in aggregate, may be condoned by the University Academic Committee based on the rules prescribed by the Academic Council of the University from time to time.

A stipulated fee shall be payable towards condonation of shortage of attendance. Shortage of attendance below 65 % shall in no case be condoned. A stipulated fee shall be payable towards condonation of shortage of attendance to the University as per following slab system.

1 st Slab: Less than 75 % attendance but equal to or greater than 70 % a normal condonation fee can be collected from the student.

2 nd Slab: Less than 70 % but equal to or greater than 65 %, double the condonation fee can be collected from the student.

Students whose shortage of attendance is not condoned OR who have not paid the stipulated fee OR who have not cleared any other due to the University in any semester are not eligible to write the Semester End Examination (SEE).

Students, who do not meet the minimum required attendance of 65% in a semester, shall be detained in that semester and their registration for that semester shall stand cancelled. They shall not be promoted to the next semester.

Students detained in a semester shall seek re-admission into that semester as and when offered.

Academic regulations applicable to the semester in which re-admission is sought shall be applicable to the re-admitted student.

In case, there are any professional electives and /or open electives, the same may also be

re registered, if offered. However, if those electives are not offered in the later semesters, then alternate electives may be chosen from the same set of elective courses offered under that category.

Any student against whom any disciplinary action is pending shall not be permitted to attend Semester End examination (SEE) in that semester.

13. Minimum Academic Requirements and Award of the Degree

The following academic requirements must be satisfied in addition to the attendance requirements mentioned in section 12.

Students pursuing B.Pharm **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 VI**.

Lateral entry students shall successfully **complete** all courses from **Semester III to Semester VI** before appearing for the **Semester VIII end semester examination**

And in case a student is detained for want of credits for a particular academic year by above, the student may make up the credits through supplementary examinations and only after securing the required credits he/she shall be permitted to join in the VII semester or VIII semester respectively as the case may be.

iv) When a student is detained due to lack of credits/shortage of attendance he/she may be re-admitted when the semester is offered after fulfillment of academic regulations. In such a case, he/she shall be in the present academic regulations into which he/she is readmitted.

v) Students who fail to earn **193 credits** as indicated in the course structure within eight academic years from the year of their admission shall forfeit their seat on the B.Pharm . course and their admission shall be cancelled.

14. Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

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

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.

As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades and corresponding percentage of marks shall be followed:

After each course is evaluated for 100 marks, the marks obtained in each course will be converted to a corresponding letter grade as given below, depending on the range in which the

marks obtained by the student fall.

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.

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 the final grade report card/final transcript showing the grades of all VIII semesters and their courses.

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

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,IV,V,VI,VII,VIII.

Award of class:

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of B. pharm Degree, he/she shall be placed in one of the following four classes:

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**

15. 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.

CGPA to Percentage conversion Formula – (CGPA-0.5) x 10.

16. 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.

17. Transcripts

After successful completion of the entire programme of study, a transcript containing performance of all academic years will be issued as a final record. Duplicate transcripts will also be issued, if required, after payment of requisite fee. Partial transcript will also be issued up to any point of study to a student on request.

18. Transitory Regulations

Discontinued, detained, or failed candidates are eligible for re-admission as and when the semester is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent subjects as and when subjects are offered, subject to Section 2 and they will follow the academic regulations into which they are re-admitted. Candidates who are permitted to avail gap year shall be eligible for re-joining into the succeeding year of their B. Pharm from the date of commencement of class work, subject to Section 2 and they will follow the academic regulations into which they are re-admitted.

19. Re-admission after Break of Study

A student who has satisfied the minimum attendance requirement in any semester may repeat that semester, after obtaining written permission from the Registrar and cancelling the previous record of attendance and academic performance (viz; internal evaluation and external

evaluation marks) of the semester or year. This facility may be availed by any student at the maximum twice for a 4-year B. Pharm, and only once by Lateral Entry student during the entire course of study.

20. Minimum Instruction Days for a Semester

The minimum instruction days for each semester shall be 16 weeks/90 Working days.

21. Student transfers

Student transfers shall be as per the statutes and ordinances of the Annamacharya University and guidelines issued by the Government of Andhra Pradesh from time to time.

22. Announcement of results

Results review committee comprising of Vice Chancellor, Registrar, Dean Academics, Chairman of various boards of studies, Controller of Examinations and Deputy Controller of Examinations will monitor the results and gives the permission for announcement of results.

After review meeting results are loaded into university website from which students can access their results by entering Hall Ticket number. And also results in form of hard copy are available with respective Deans / Heads of the departments.

23. Curricular Framework for Honors Programme

The objective is to facilitate the students to choose specialized courses of their choice and build their competence in a specialized area at the UG level. The is an opportunity for students who have a good academic record and interest in higher studies and research.

B. Pharm. with Honors / Research is applicable to all the Regular and Lateral Entry students.

i) A student shall earn an additional 18 credits for the award of B. Pharm. (Honors / Research) degree. This is in addition to the credits essential for obtaining the B. Pharm. degree (i.e., 203 credits).

ii) A student is permitted to register for Honors / Research in IV semester after the results of III Semester are declared and students may be allowed to take maximum two subjects per semester pertaining to the Honors / Research from V Semester onwards.

iii) The Concerned Principal of the college shall arrange separate class work and timetable of the courses offered under Honors / Research program.

iv) Courses that are used to fulfil the student's primary major may not be double counted towards the Honors / Research.

v) Courses with content substantially equivalent to courses in the student's primary Major may not be counted towards the Honors / Research.

vi) Students can complete the courses offered under Honors / Research either in the college or in online platforms like SWAYAM with a minimum duration of 12 weeks for a 3-credit course and 8 weeks duration for a 2-credit course satisfying the criteria for credit mobility. If the courses under Honors / Research are offered in conventional mode, then the teaching and evaluation procedure shall be like the regular B. Pharm. programme.

vii) The attendance for the registered courses under Honors / Research and regular courses offered for Major degree in a semester are to be considered separately.

viii) A student shall maintain an attendance of 75% in all registered courses under Honors / Research to be eligible for attending semester end examinations.

ix) A student registered for Honors / Research shall pass in all subjects that constitute the requirement for the Honors / Research degree program. No class/division (i.e., second class, first class and distinction, etc.) shall be awarded.

x) If a student drops or is terminated from the Honors / Research program, the additional credits so far earned cannot be converted into open or core electives; they will remain extra. However, such students will receive a separate grade sheet mentioning the additional courses completed by them.

xi) The Honors / Research will be mentioned in the degree certificate as Bachelor of Pharmacy (Honors / Research).

Enrolment into Honors / Research:

i) The enrolment of students into Honors / Research is based on the percentage of marks obtained in the major degree program.

ii) The percentage of marks shall be taken up to III semester in case of regular entry students and only III semester in case of lateral entry students.

iii) Students having 7 CGPA without any backlog subjects will be permitted to register for Honors / Research.

iv) If a student is detained due to lack of attendance either in Major or in Honors / Research, registration shall be cancelled.

v) The minimum strength required for offering Honors / Research offline is considered as 20% of the sanctioned intake. If a minimum enrolments criterion is not met, then the students may be permitted to register for the equivalent MOOC courses as approved by the concerned Head of the department satisfying criteria for credit mobility.

vi) Transfer of credits from Honors / Research to regular B. Pharm. degree and vice versa shall not be permitted.

vii) Honors / Research is to be completed simultaneously with a Major degree program.

Registration for Honors / Research:

i) The institution will announce courses offered under Honors / Research before the start of the semester.

ii) The eligible and interested students shall apply through the HOD of the department. The whole process should be completed within one week before the start of every semester. Selected students shall be permitted to register for the courses under Honors / Research.

iii) The selected students shall submit their willingness to the Principal through the department and the department shall maintain the record of students pursuing the Honors / Research.

iv) The students enrolled for the Honors/Research courses will be monitored continuously. An advisor/mentor from the department shall be assigned to monitor the progress.

v) There is no fee for registration of subjects for Honors / Research program offered in offline at the respective institutions.

Award of B.Pharm. degree with Honors / Research

A student will be declared eligible for the award of the B. Pharm. with Honors/Research if he/she fulfils the following:

i) A Student secures an additional 18 credits fulfilling all the requisites of a B. Pharm. programme i.e., 193 credits.

ii) A student is permitted to register either for Honors or Research but not for both.

iii) Registering for Honours/Research is optional.

iv) Honors/Research is to be completed simultaneously with B. Pharm. programme.

Students can complete the courses offered under Honors / Research either in the college or in online platforms like SWAYAM with a minimum duration of 12 weeks for a 3-credit course and 8 weeks duration for a 2-credit course satisfying the criteria for credit mobility. If the courses under Honors / Research are offered in conventional mode, then the teaching and evaluation procedure shall be like the regular B. Pharm. programme.

A student shall maintain an attendance of 75% in all registered courses under Honors / Research to be eligible for attending semester end examinations.

24. Curricular Framework for Minor Programme

The all the courses for Honors and Minors may studied through MOOCs platform

25. **Industry/Field Visits and other Co-curricular Activities:**

- It shall be Compulsory for students to undertake at least **one industrial/field visit during Semester VII** to facilities involved in the **manufacturing of drugs, medical devices, food or cosmetics**.
- Institutions may also organize other **co-curricular activities** to promote holistic learning through **participative,problem-based, experiential and innovative pedagogical methods**

26. General Instructions:

The academic regulations should be read as a whole for purpose of any interpretation.

Malpractices rules-nature and punishments are appended.

Where the words "he", "him", "his", occur in the regulations, they also include "she", "her", "hers", respectively.

In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor / Registrar / Governing body is final.

Any legal issues are to be resolved in Rajampet Jurisdiction.

The University may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the University.

Appendix-I: Internship Guidelines

The Dean / Head of the Department will arrange internship for students in industries / organization after fifth semester as per PCI/ University guidelines. The university may also device online system for arranging & managing internships. The general procedure for arranging internship is given below:

Step 1: Request Letter/ Email from the office of HOD of the department should go to industry to allot various slots of 4-6 weeks during summer vacation as internship periods for the students. Students request letter/profile/ interest areas may be submitted to industries for their willingness for providing the training.

Step 2: Industry will confirm the training slots, and the number of seats allocated for internships via Confirmation Letter/ Email. In case the students arrange the training themselves the confirmation letter will be submitted by the students in the office of Training & Placement through concerned department. Based on the number of slots agreed to by the industry.

Step 3: Students on joining Training at the concerned Industry / Organization, submit the Joining Report/ Letters / Email.

Step 4: Students undergo industrial training at the concerned Industry / Organization. In-between Faculty Member(s) evaluate(s) the performance of students once/twice by visiting the Industry/Organization and Evaluation Report of the students is submitted in department office/TPO with the consent of Industry persons/ Trainers.

Step 5: Students will submit training report after completion of internship.

Step 6: Training Certificate to be obtained from industry.

Step 7: List of students who have completed their internship successfully will be issued by concerned Department.

Appendix II: Norms and Procedures for Challenge Evaluation/Revaluation/Recounting

Revaluation / Recounting:

The students who wish to apply for Revaluation/Recounting of his/her answer-books(s) must submit his/her application on the prescribed from together with the requisite fee to the Controller of Examinations before expiry of 15 days excluding the date of the declaration of his/her examination result. Application not received in the prescribed form or by the due date or without the requisite fee shall be rejected.

- After Recounting / Revaluation, records are updated with changes if any and the student will be issued a revised memorandum of marks. If there are no changes, the student shall be intimated the same through a notice.
- No Revaluation / Recounting for Laboratory Examination.
- The students are informed to be more careful in furnishing the information while applying for Recounting / Revaluation. The applications with insufficient information will be summarily rejected and the student has to forfeit the amount paid in this connection.
- Challenge valuation:
- Applications are invited from the students who wish to apply for Challenge Valuation in the subjects of the B. Tech Regular and Supplementary examinations.
- The student will apply for Challenge valuation in a specified application and should be routed through the HOD concerned.
- The students who have applied for the revaluation for a paper(s) of an examination are only eligible for the Challenge Valuation of that paper(s) of that examination.
- A Fee of Rs. 10000/- (Ten Thousand Rupees Only) for each paper is to be paid within the last date for challenge valuation.
- A Xerox copy of the answer script will be provided to the student on receipt of the payment of fee and date and time of the valuation will be informed to the student, so that valuation will be done in the presence of the teacher attended in support of the student nominated by the HOD concerned.
- The HOD concerned will nominate a teacher of the concerned subject to observe the valuation in support of the student. This will be done at the request of the student. If the marks obtained in the challenge valuation are more than or equal to 15% of the maximum marks with respect to the original marks obtained in the first valuation, then the marks obtained in the Challenge valuation will be awarded to the student and the

University will pay back Rs 9,000 (Nine thousand rupees only) to the student. If the student status changes from fail to pass, an amount of Rs. 5000 will be refunded to the student. Otherwise, there will not be any change in the result of the student and original marks will be retained and the student will forfeit the fee paid.

- No Challenge valuation for Laboratory Examination

APPENDIX III: Rules for Disciplinary Action for Malpractices / Improper Conduct in Examinations

Malpractices identified by squad or special invigilators or invigilators.

Punishments shall be given to the students as per the above guidelines. The case is to be referred to the malpractice committee.

Malpractice committee

1. The Vice Chancellor, Chairman
2. Registrar, Member
3. Dean, Academics, Member
4. Invigilator, Member
5. Subject expert, Member
6. Concerned Dean / Head of the Department, Member
7. Controller of Examinations, Member Secretary

Note:

Whenever the performance of a student is cancelled in any subject/subjects due to Malpractice, he has to register for End Examinations in that subject/subjects consequently and has to fill all the norms required for the award of Degree.

	Nature of Malpractices/Improper conduct	**Punishment**
	If the candidate:	
1.(a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include	Expulsion from the examination hall and cancellation of the performance in that subject only.

	any marks on the body of the candidate which can be used as an aid in the subject of the examination)	
1.(B)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the University
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred for four consecutive semesters from class 41 work and all University

		examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for four consecutive semesters from class work and all University examinations, if his involvement is established. Otherwise, the candidate is debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the

		police and a case is registered against him.
4	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject only.

6.	Refuses to obey the orders of the Chief Superintendent/Assistant — Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the University campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of student of the University, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. If the candidate physically assaults the invigilator/officer-in-charge of the Examinations, then the candidate is also debarred and forfeits his/her seat. In case of outsiders, they will be handed over to the police and a police case is registered against them.42 damage to or destruction of property in the examination hall or any part of the University campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination
7	Leaves the exam hall taking away answer script or intentionally tears of the script or any part	Expulsion from the examination hall and cancellation of

	thereof inside or outside the examination hall.	performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat
9	If students of the university, who is not a candidate for the particular examination or any person not connected with the University	Student of the university expulsion from the examination hall and cancellation of the

	indulges in nay malpractice or improper conduct mentioned in class 6 to 8.	performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person (s) who does not belong to the University will be handed over to police and, a police case will be registered against them
10	Comes in a drunken condition to the examination hall	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject only or in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester / year examinations, depending on the

		recommendation of the committee.
12	If any malpractice is detected which is not covered in the above clauses 1 to 12 shall be reported to the University for further action to award suitable punishment	

Course Structure For B.Pharmacy

Table-I: Course of study for semester I

Course Code	Name of the course	No.of hours Per week (L/P)	Credit points
26NBPH11T	General Pharmacy	3	3
26NBPH12T	Human Anatomy, Physiology and Pathophysiology I	4	4
26NBPH13T	Introduction to Pharmacognosy	3	3
26NBPH14T	Pharmaceutical Inorganic and Analytical Chemistry	3	3
26NBPH15T	Healthcare Psychology and Communication Skills	1	1
26NBPH16T	Basics of Python Programming for Pharmaceutical Sciences	2	2
26NBPH11L	General Pharmacy	3	1
26NBPH12L	Human Anatomy, Physiology and Pathophysiology I	3	1
26NBPH13L	Introduction to Pharmacognosy	3	1
26NBPH14L	Pharmaceutical Inorganic and Analytical Chemistry	3	1
26NBPH15L	Healthcare Psychology and Communication Skills	2	1
Total		**30**	**21**

Table-II: Course of study for semester II

Course Code	Name of the course		No. of hours per week(L/P)	Credit points
26NBPH21T	Biochemistry		3	3
26NBPH22T	Human Anatomy, Physiology and Pathophysiology II		4	4
26NBPH23T	Pharmaceutical Organic Chemistry		4	4
26NBPH24T	Pharmacognosy and Phytochemistry		4	4
26NBPH25T	Physical Pharmaceutics		3	3
26NBPH26T	Applied Biostatistics and Data Analytics for Pharmaceutical Sciences		2	2
26NBPH21L	Biochemistry		3	1
26NBPH22L	Human Anatomy, Physiology and Pathophysiology II		3	1
26NBPH23L	Pharmaceutical Organic Chemistry		3	1
26NBPH24L	Pharmacognosy and Phytochemistry		3	1
26NBPH25L	Physical Pharmaceutics		3	1
26NBPH27S (LABORATORY)	**26NBPH27AS**	Communication Skills	2	1
	26NBPH27BS	Mental Well Being, Stress & Conflict Management		
	26NBPH27CS	Fundamentals of Computer Operations		
Total			**37**	**26**

Table-III: Course of study for semester III(B.Pharmacy)

Course Code	Name of the course		No. of hours per week(L/P)	Credit points
26NBPH31T	General Pharmacology		3	3
26NBPH32T	Heterocyclic Compounds and Stereochemistry		3	3
26NBPH33T	Pharmaceutical Dosage Forms I		3	3
26NBPH34T	Pharmaceutical Engineering		3	3
26NBPH35T	Pharmaceutical Microbiology		3	3
26NBPH36T	Introduction to Machine Learning in Pharmaceutical Sciences		2	2
26NBPH37T	Environmental Sciences		1	1
26NBPH38T	Ethics and Universal Human Values		1	1
26NBPH31L	General Pharmacology		4	2
26NBPH32L	Heterocyclic Compounds and Stereochemistry		4	2
26NBPH33L	Pharmaceutical Dosage Forms I		3	1
26NBPH39E (LABORATORY)	**26NBPH39AE**	Nutraceuticals and Functional Foods	2	1
	26NBPH30BE	Food Analysis		
	26NBPH39CE	Yoga and Life Sciences		
Total			**32**	**25**

Table-III: Course of study for semester III(Lateral entry students)

Course Code	Name of the course		No. of hours per week(L/P)	Credit points
26NBPH31T	General Pharmacology		3	3
26NBPH32T	Heterocyclic Compounds and Stereochemistry		3	3
26NBPH33T	Pharmaceutical Dosage Forms I		3	3
26NBPH34T	Pharmaceutical Engineering		3	3
26NBPH35T	Pharmaceutical Microbiology		3	3
26NBPH36T	Introduction to Machine Learning in Pharmaceutical Sciences		2	2
26NBPH37T	Environmental Sciences		1	1
26NBPH38T	Ethics and Universal Human Values		1	1
26NBPH31L	General Pharmacology		4	2
26NBPH32L	Heterocyclic Compounds and Stereochemistry		4	2
26NBPH33L	Pharmaceutical Dosage Forms I		3	1
26NBPH39E (LABORATORY)	**26NBPH39AE**	Nutraceuticals and Functional Foods	2	1
	26NBPH30BE	Food Analysis		
	26NBPH39CE	Yoga and Life Sciences		
26NBPH16T	Basics of Python Programming for Pharmaceutical Sciences		2	2
26NBPH15T	Healthcare Psychology and		1	1

	Communication Skills		
26NBPH15L	Healthcare Psychology and Communication Skills	2	1
Total		**37**	**29**

*For exit Diploma in pharmacy certificate candidate has to secure additional four credits from the following courses:

1. Basics of Python Programming forPharmaceutical Sciences(Theory) 2credits
2. Healthcare Psychology and Communication Skills(Theory) 1 Credit
3. Healthcare Psychology and Communication Skills(Lab) 1 Credit

Table-IV: Course of study for semester IV(B.Pharmacy)

Course Code	Name of the course	No.of hours per week (L/P)	Credit points
26NBPH41T	Herbal Drug Technology	3	3
26NBPH42T	Medicinal Chemistry	3	3
26NBPH43T	Pharmaceutical Biotechnology	3	3
26NBPH44T	Social Pharmacy and Public Health	2	2
26NBPH45T	Systemic Pharmacology I	3	3
26NBPH41L	Herbal Drug Technology	3	1
26NBPH42L	Medicinal Chemistry	3	1
26NBPH43L	Pharmaceutical Biotechnology	3	1
26NBPH44L	Social Pharmacy and Public Health	2	1
26NBPH45L	Systemic Pharmacology I	3	1
26NBPH46I	Internship (Mandatory)	8	-
Total		**28**	**19**

Table-IV: Course of study for semester IV(LATERAL ENTRY)

Course Code	Name of the course	No.of hours per week (L/P)	Credit points
26NBPH41T	Herbal Drug Technology	3	3
26NBPH42T	Medicinal Chemistry	3	3
26NBPH43T	Pharmaceutical Biotechnology	3	3
26NBPH44T	Social Pharmacy and Public Health	2	2
26NBPH45T	Systemic Pharmacology I	3	3
26NBPH41L	Herbal Drug Technology	3	1
26NBPH42L	Medicinal Chemistry	3	1
26NBPH43L	Pharmaceutical Biotechnology	3	1
26NBPH44L	Social Pharmacy and Public Health	2	1
26NBPH45L	Systemic Pharmacology I	3	1
26NBPH46I	Internship (Mandatory)	8	-
26NBPH26T	Applied Biostatistics and Data Analytics for Pharmaceutical Sciences	2	2
Total		**28**	**21**

Mandatory internship for a minimum of 1 MONTH duration during summer vacation **IV Semester** will be carried out by a student and the credits will be added in **V semester**

*For exit Diploma in pharmacy certificate candidate has to secure additional two credits from the following courses:

1. Applied Biostatistics and Data Analytics for Pharmaceutical Sciences(Theory) 2credit

Table-V:Course of study for semester V

Course Code	Name of the course	No.of hours Per week(L/P)	Credit points
26NBPH51T	Biomedicinal Chemistry	3	3
26NBPH52T	Industrial Pharmacognosy	3	3
26NBPH53T	Pharmaceutical Dosage Form II	2	2
26NBPH54T	Systemic Pharmacology II	3	3
26NBPH55T	Pharmaceutical Quality Assurance	3	3
26NBPH56T	Innovation and Startup Ecosystem	2	2
26NBPH51L	Biomedicinal Chemistry	4	2
26NBPH52L	Industrial Pharmacognosy	3	1
26NBPH53L	Pharmaceutical Dosage Form II	3	1
26NBPH54L	Systemic Pharmacology II	4	2
	Internship	8	**4**
Total		**30**	**26**

Mandatory internship for a minimum of 1 MONTH duration during summer vacation **IV Semester** will be carried out by a student and the credits will be added in **V semester**

Table-VI: Course of study for semester VI

Course Code	Name of the course		No. of hours per week(L/P)	Credit points
26NBPH61T	Biopharmaceutics and Pharmacokinetics		3	3
26NBPH62T	Pharmaceutical Analysis		3	3
26NBPH63T	Advanced Pharmacognosy		3	3
26NBPH64T	Intellectual Property Rights		2	2
26NBPH65T	AI applications in Pharmaceutical Sciences		2	2
26NBPH66T	Pharmaceutical Jurisprudence		3	3
26NBPH67E (THEORY)	**26NBPH67AE**	Green Chemistry	1	1
	26NBPH67BE	Materiovigilance and Hemovigilance		
	26NBPH67CE	Scientific Writing		
	26NBPH67DE	Drug Store and Business Management		
	26NBPH67EE	Career Building in Cultivation of Medicinal Plants		
	26NBPH67FE	Active Pharmaceutical Ingredients and Excipient Sciences		
26NBPH61L	Biopharmaceutics and Pharmacokinetics		3	1
26NBPH62L	Pharmaceutical Analysis		4	2
26NBPH68S	**26NBPH68AS**	Computer-Aided Drug Design	2	1
	26NBPH68B	Analytical Method		

(LABORATORY)	**S**	Development and Validation		
	26NBPH68CS	Principles of Preclinical Studies		
26NBPH69V (LABORATORY)	**26NBPH69AV**	Professional Skills	2	1
	26NBPH69BV	Process Analytical Technology(PAT) and QbD in Formulation Science		
26NBHP6AI	Internship(Mandatory)		8	
Total			**28**	**22**

Table-VII: Course of study for semester VII

Course Code	Name of the course		No. of hours per week(L/P)	Credit points
26NBPH71T	Modern Analytical Techniques		3	3
26NBPH72T	Biostatistics Research methodology		3	3
26NBPH73T	Cosmetics and Cosmeceuticals		2	2
26NBPH74T	AI in Clinical applications		2	2
26NBPH75T	Pharmacovigilance		3	3
26NBPH76T	Pharmacy Practice		3	3
26NBPH77T	Regulatory Affairs		2	2
26NBPH78E (THEORY)	**26NBPH78AE**	Current Good Manufacturing Practices (cGMP)	1	1
	26NBPH78BE	Pharmaceutical Automation		
	26NBPH78CE	Modern Techniques in Cellular Biology		
	26NBPH78DE	Medical Devices		
	26NBPH78EE	Transformation of Food Waste into Medicinal Products		
	26NBPH78FE	Biosimilars, Vaccines		

		&Macromolecules		
26NBPH71L	Modern Analytical Techniques(Practical)		3	1
26NBPH79P	Research Project		-	6
26NBHP6AI	Internship(Mandatory)			4
Total			**22**	**30**

Mandatory internship for a minimum of 1 MONTH duration during summer vacation **VI Semester** will be carried out by a student and the credits will be added in **VII semester.**

Table-VIII:Course of study for semester VIII

Course Code	Name of the course		No. of hours Per week (L/P)	Credit points
26NBPH81T	Ethical Considerations and Translational Applications of AI in Pharmacy		2	2
26NBPH82T	Clinical Pharmacotherapeutics		2	2
26NBPH83T	Industrial Pharmacy and Facility Design		3	3
26NBPH84T	Pharmaceutical Management		2	2
26NBPH85T	Sterile Dosage Forms and Novel Drug Delivery System		3	3
26NBPH86 E (THEORY)	**26NBPH86AE**	Pharmaceutical Packaging	2	2
	26NBPH86BE	Supply Chain Management		
	26NBPH86CE	Industrial Safety and Waste Management		
	26NBPH86DE	Traditional Healing Practices Of India		
	26NBPH86EE	Futuristic Pharma through AR/VR: Pharma 4.0		
	26NBPH86FE	Herbal Cosmetics for Industry Perspective		
26NBPH87L	Pharmaceutical Marketing Skills (Practical)		2	1
26NBPH88L	Sterile Dosage Forms and Novel Drug Delivery System (Practical)		4	2

26NBPH89V (PRACTICAL)	**26NBPH89AV**	Cleaning Validation	2	1
	26NBPH89BV	Basic Training in Aseptic Handling Techniques		
	26NBPH89CV	Impurity Profiling		
26NBPH8AP	Research Project		-	6
Total			**22**	**24**

Total Credits per Semester(B.Pharmacy)

Semester	Total Credits
I	21
II	26
III	25
IV	**19**
V	**26**
VI	**22**
VII	**30**
VIII	24
Grand Total	**193**

Credit distribution for lateral entry students

Semester	Total Credits
Diploma	41
III	29
IV	**21**
V	**26**
VI	**22**
VII	**30**
VIII	24
Grand Total	**193**