RULES FOR COURSE OUTCOME AND PROGRAM OUTCOME ATTAINMENT

PROGRAMME OUTCOMES

The Programme Outcomes (POs) delineate the knowledge and skills students are expected to acquire upon graduation. These POs are designed to assess and gauge the abilities, skills, and competencies instilled in students throughout their program. The achievement of these outcomes is facilitated by a curriculum comprising mandatory as well as elective courses. The National Board of Accreditation (NBA) has prescribed 11 Programme Outcomes, listed below:

Program Outcomes	Graduate Atrributes
PO1	Pharmacy Knowledge
PO2	Planning Abilities
PO3	Problem Analysis
PO4	Modern Tool Usage
PO5	Leadership Skills
PO6	Professional Identity
PO7	Pharmaceutical Ethics
PO8	Communication
PO9	The Pharmacist & Society
PO10	Environment & Sustainability
PO11	Life-Long-Learning

COURSE OUTCOMES

Course outcomes are derived from the broader goals of the course and are designed to guide teaching, learning, and assessment. COs are often linked to the subject's content and are expressed in terms of skills, knowledge, abilities, or competencies that students should acquire by the end of the course. They provide a clear framework for educators to structure their curriculum, assessments, and instructional strategies while offering

students a precise understanding of what is expected and what they will gain from the course.

COURSE OUTCOME PREPARATION

The Course Outcomes (COs) preparation process involves several steps:

1. All subject objectives are clearly defined in the university syllabi for B.Pharm and M.Pharm course.

2. Each subject teacher is responsible for preparing Course Outcomes (COs) for their respective subjects, both in theory and practicals.

3. The COs should comprehensively cover the entire syllabus and be articulated in 5-6 points each for theory and practical subjects.

4. Timely modifications of COs as per revisions in the syllabus of the affiliating university are done.

METHOD OF MEASURING COURSE OUTCOME ATTAINMENT

To gauge the attainment level of Course Outcomes (COs), the following assessmentmethods are employed:

1. Continuous Internal Assessments, aligned with examination guidelines, encompass formative evaluations, sessional (internal) exams, and summative assessments conducted by subject teachers.

2. The attainment level for COs in both internal and University examinations for B.Pharm and M.Pharm courses are graded on a scale from 0 to 3, determined by the marks obtained by students.

Examination	Criteria	Level
Internal	Less than 50 % marks scoring in Internal exam	00
	Between 50- 65% marks scoring in Internal exam	01
	Between 66-75% marks scoring in Internal exam	02
	Above 75% marks scoring in Internal exam	03
External	Less than 50 % marks scoring in Internal exam	00
	Between 50- 65% marks scoring in Internal exam	01

Between 66-75% marks scoring in Internal exam	02
Above 75% marks scoring in Internal exam	03

3. The subject teacher will align students' marks earned in each assessment—Continuous Internal Evaluation (CIE), sessional exams, and external examinations—based on the scale from 0 to 3, as indicated in the aforementioned table.

4. The determination of final Course outcome attainment will involve correlating the achievement from the External examination (weighted at 75%) with the attainment from internal examinations (weighted at 25%).

METHOD OF MEARSURING PROGRAM OUTCOME ATTAINMENT

Direct Assessment Tools:

- Direct attainment of a Program Outcome (PO) involves averaging the attainment levels of all Course Outcomes (COs) aligned with that specific PO.

> **Average Course Outcome attainment by Direct method = Semester End Examination (75%) + Internal examination (25%)**

IndirectAssessment Tools:

- Indirect attainment of a PO is measured fromCourse Exit Survey, Alumni Feedback, Parents Feedback and Employers Feedback.

> **Average attainment by Indirect method = Average (Course Exit Survey + Alumni survey + Employer survey + Parents Feedback)**

- The determination of each Program Outcome's attainment will consider weighted averages derived from both direct and indirect assessment tools.

- The following scoring function is used to calculate the average attainment of each PO.

> **PO ATTAINMENT (%) = (weight age: 80%) x (Average attainment in Direct method) + (weight age: 20%) x (Average attainment Indirect method)**