



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
PRIYADARSHINI J. L. COLLEGE OF PHARMACY

(Formerly known as J.L. Chaturvedi College of Pharmacy)
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Accredited with Grade B++ by NAAC
Institute Code - DTE 4265 & RTMNU 265



Ref. No. : PJLCP/2021-22/6383-1

Date: 05/10/2021

Subject : Method of assessment of PO's, PSO's and CO's

The institute evaluates the attainment of Program Outcomes (PO), Program Specific Outcomes (PSO) and Course Outcomes (CO) by adopting the following procedure;

1. To evaluate PO's, PSO's and CO's, the institute adopts two assessment methods;
 - Direct Assessment
 - Indirect Assessment
2. The Overall Course Outcomes Attainment factor is evaluated by taking 80% of the Direct Assessment and 20% of the Indirect Assessment.
3. The Program Outcomes and Program Specific Outcomes attainment is evaluated by using (Overall Course Outcome attainment factor * CO-PO mapping)/3(High level).

A. Procedure for Attainment through Direct Assessment (80%)

The attainment levels are specified in terms of High(level 3), Medium(level 2) and Low(level 1). These three levels are distributed as follows depending on the percentage attained for mapping:

Level -1	<60%
Level -2	60-80%
Level - 3	>80%

Direct Assessment:

1. Performance in Internal Assessment (theory and labs)
 - Includes Internal Exam(Two Test)
 - Assignments
2. Performance in End Semester Examinations (theory and labs)
3. Performance in Project Evaluation(Minor and Major Project)

Direct Assessment Tools:

Internal Assessment (Mid Examinations) (for 25 marks)

Internal assessment is carried out through internal exam i.e.,two sessional exams (S-1, S-2), and assignments. These examinations are focused on attaining the course outcomes.

Asnani

IQAC Coordinator

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**End Semester Examinations (for 75 marks)**

End semester examinations focus on attainment of course outcomes through descriptive mode.

It is metric for evaluating whether all the course outcomes are attained or not.

B. Indirect Assessment:

Feedback from the stake holders in the form of Survey and feedback.

Indirect Assessment Tools:

1. Course Exit Survey: At the end of each semester, course exit survey is conducted to analyze all course outcomes.
2. Program Exit Survey: This survey is conducted at the end of B. Pharm program to analyze all the program outcomes and Program Specific Outcomes.

C. Steps for Calculation of Attainment:**Attainment through Direct Assessment (80%)**

1. Set the threshold for marks to assess the student's performance in internal assessment and end semester exam. (e.g., 50% is set)
2. Find the no. of students scored 50% and above.
3. Find percentage attained (i.e., How many percentages of students scored 50% and above).
4. Rate the level (High-3, Med-2, Low-1) to each Course outcome depending on the percentage attained as discussed in point 3 and as per the rubric set for CO-attainment as mentioned in point A.

Internal Assessment = (Internal Exam + Assignments) out of 25 Marks

Direct CO Attainment = (0.8 * End Exam + 0.2 * Internal Assessment) out of 75 Marks

Attainment through Indirect Assessment (20%)

1. The indirect assessment contains CO exit survey at the end of each semester. Hence, overall CO Attainment is calculated as follows:

Overall CO Attainment = (0.8 * Direct CO Attainment + 0.2 * Indirect CO Attainment)

The indirect assessment also contains feedback from various stakeholders such as parents, alumni, faculty, students, employer along with exit survey. Feedback is collected in the scale of 5 and then converted to the percentage.

IQAC Coordinator

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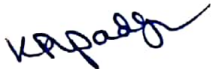
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Date : 07/10/2022

Evaluation of Attainment of PO's and CO's for M. Pharm Semester II Pharmaceutics
Summer 2022 Examination

SN	Name of Student	Molecular Pharmaceutics MPH 201T					Advanced Biopharmaceutics & Pharmacokinetic MPH 202T				
		I Th Exam(15)	II Th Exam (15)	Continuous Assess- ment (10)	Internal Marks Out of 25	University theory marks Out of 75	I Th Exam(15)	II Th Exam (15)	Continuous Assess- ment (10)	Internal Marks Out of 25	University theory marks Out of 75
1	Anirudh Mohan Upadhyay	10	10.5	10	20	68	9	7	10	18	43
2	Chhaya Muniderdas Kabir	10	12	10	21	54	AB	12	10	16	58
3	Hardik Moreswar Kolte	8	8.5	10	18	60	10	7	10	19	56
4	Karishma Wamanrao Kuthe	9	7.5	9	17	66	6	6	9	15	45
5	Manish Gurudeorao Kinkar	13	13.5	10	23	53	12	11	10	22	54
6	Manisha Yadavrao Walde	9	13.5	10	21	60	11	13	10	22	60
7	Nikita Vijayrao Tandulkar	9	8	10	19	58	9	6	10	18	38
8	Palash Manoj Balbudhe	4	5.5	9	14	58	10	4	9	16	43
9	Priyanka Omprakash Udasi	5	8	10	17	38	11	9	10	20	34
10	Samruddhi Wasudeorao Khapre	5	8	9	16	49	9	6	9	17	34
11	Sayli Balasaheb Dode	AB	12	10	16	66	13	14	10	24	44
12	Suraj Arunrao Kakade	14	12.5	10	23	58	14	12	10	23	69
13	Sushma Ashok Handekar	14	12.5	10	23	66	12	7	10	20	72
14	Swanand Anant Deshpande	14	12	10	23	54	13	11	10	22	32
15	Vaishnavi Vikas Chitmulwar	12	10.5	10	21	58	ab	13	10	17	46
Total Students Appeared					15	15				15	15
Total Students above threshold (50% of Internal, (40% of External)					15	15				15	15
Percentage					100	100				100	100
Level					3	3				3	3
Attainment = 0.2x Internal + 0.8 x external					3					3	


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