JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Program : B.Pharm	Session: 2021-2025	Year :2nd	Semester: 3rd

Course: Physical Pharmaceutics I Practical (BP 306P)

Name of the Faculty: Disha Bhattacharya	Commencement Date:	Date of Closure:

Lecture No.	Week	Topics to be Covered	Blended Mode			Date	Duration	Tracking of Lectures	Related Course Outcome	Signature of Faculty	Signature of HoD	Remarks (if any)
			ICT Tool/Platform/ LMS	Resources	Activity							
1	1	Determination the solubility of drug at room temperature										
2	2	Determination of pKa value by Half Neutralization/ Henderson Hasselbalch equation										
3	3	Determination of Partition co-efficient of benzoic acid in benzene and water										
4	4	Determination of Partition co-efficient of Iodine in CCl and water										
5	5	Determination of % composition of NaCl in a solution using phenol-water system by CST method										

6	6	Determination of surface tension of given liquids by drop count and drop weight method										
7	7	Determination of HLB number of a surfactant by saponification method										
8	8	Determination of Freundlich and Langmuir constants using activated charcoal										
9	9	Determination of critical micellar concentration of surfactants										
10	10	Determination of stability constant and donor acceptor ratio of PABA-Caffeine complex by solubility method										
11	11	Determination of stability constant and donor acceptor ratio of Cupric-Glycine complex by pH titration method										