



ARSD College, University of Delhi

Model Course Handout/Lesson Plan

Course Name : B.Sc. (APS)Industrial Chemistry– Lab						
Semester	Course Code	Course Title	Lecture (L)	Tutorial (T)	Practical (P)	Cred (C)
V	42174406	Pharmaceuticals, Fermentation, Pesticides and Perfumes	0	0	02	02
Teacher/Instructor(s)		Dr. Jaya Tomar and Neeraj Mishra				
Session		2022-23				

Course Description:

During the session students will learn

* the laws of pH metery, complexometry , paper chromatography and many more equipments including handling and working of mentioned equipments.

*Writing a practical record with understanding of theory, procedure, precautions, recording data,

analysing data and plotting it on graph paper to determine the unknown concentrations of various

compounds by analytical techniques

List of Experiments:

Details of the Lab Course		
Session	Name of Experiment	Contact Hours
1	Preparation of talcum powder.	4
2	Preparation of shampoo.	4
3	Preparation of nail enamel	4
4	Preparation of hair remover.	4
5	Preparation of face cream.	4
6	Preparation of Aspirin and its analysis.	4
7	Preparation of nail polish and nail polish remover.	4
8	To calculate acidity/alkalinity in given sample of pesticide formulations as per BIS specifications.	4
9	Preparation of Antacid.	4
10	Preparation of paracetamol.	4
11	Estimation of free acidity in ammonium sulphate fertilizers	4

	Total	44
Suggested Books:		
Sl. No.	Name of Authors/Books/Publishers	Year of Publication/Reprint
1.	Vermani, O. P.; Narula, A. K. Industrial Chemistry , Galgotia Publications Pvt. Ltd., New Delhi	(2004),
2.	Bhatia, S. C. (2004), Chemical Process Industries , Vol. I & II, CBS Publishers, New Delhi.	(2004),
4	Barel, A.O.; Paye, M.; Maibach, H.I. Handbook of Cosmetic Science and Technology , CRC Press	(2014),
5	Gupta, P.K.; Gupta, S.K.(2011), Pharmaceutics and Cosmetics , Pragati Prakashan	(2011),

Evaluation Scheme:

No.	Component	Duration	Marks
1.	Continuous Evaluation		25
	• Quiz/Viva		
	• Observation & Record		
	• Attendance		
	• Mock Exam		
2.	End Semester Examination	5 hours	25
3	Total		50