

Name of Faculty: Dr. Priyanka Dhankhar

Semester: 1st year (ME+ECE+AI-ML)

Subject: Chemistry I (practical)

Code: 25LC-CHE-101H

Sr. No.	Lecture No.	Description of Topic
1st week	1	To prepare the urea formaldehyde resin.
2 nd week	2	To determine the viscosity of given liquid by using Redwood viscometer.
3 rd week	3	Calculate R_f value of given sample using thin layer chromatography/ paper chromatography.
4 th week	4	To prepare phenol formaldehyde resin.
5 th week	5	Calculate the strength of strong acid by titrating it with strong base using conductometer.
6 th week	6	Determination of surface tension of given liquid by drop number method
7 th week	7	To determine hardness of water sample by EDTA method.
8 th week	8	To determine the partition coefficient of a substance between two immiscible liquids.
9 th week	9	Removal of hardness using ion exchange method
10 th week	10	Chemical analysis of two anions and two cations in a given sample of salt.
11 th week	11	Determination of chlorine content in given sample of water.
12 th week	12	To determine of rate constant of a reaction.
13 th week	13	Study the adsorption phenomenon using acetic acid and charcoal.
14 th week	14	Lattice structures and packing of spheres.