

## **SWARNANDHRA**

Collegeof Engineering& Technology (Autonomous)
NARSAPUR-534280

## DEPARTMENTOFBASICSCIENCESANDHUMANITIES LAB LESSON PLAN

Course Code	Course Name	Regulation	Academic year	Year/ Semester	Branches	Contact Periods/Week
23BS2L03	Engineering Chemistry	R-23	2023- 2024	I B.Tech/ II Sem	Common to CIVIL,MECHANICA L & ROBOTICS	3

## COURSEOUTCOMES

At the end of the course, student will be ab leto

CO1:Calculatethehardnessofwater.(K3)
CO2:DeterminethecellconstantandP<sup>H</sup>ofsolutions.(K3) CO3:

Prepare advanced polymer materials. (K3)

CO4:Determine the physical properties like viscosity. (K4)

WEEK	COURSE OUTCOMES	EXPT NO	DESCRIPTION			NO. OF SESSIONS		
1, 2	CO1 Calculate the hardness of water. (K3)	1	Determination of Hardness of a ground water sample			1		
-,-		2	Estima	1				
3, 4	CO2 Determine the cell constant and PH of solutions.(K3)	3	Detern	1				
		4	Detern	1				
5, 6,7	CO3 Prepare advanced polymer materials.(K3)	5	Prepara	1				
		6	Prepara	1				
		7	Detern sample	1				
8,9	CO4 Determine the physical properties like viscosity.(K4)	8	Determination of Viscosity of lubricating oil by Redwood Viscometer 1			1		
		9	Determination of Viscosity of lubricating oil by Redwood Viscometer 2			1		
	CO5	10	Determination of pour and cloud point of lubricating oils			1		
Determine pour point, cloud point, flash point &fire point.(K3)		11	Determ	1				
CUMULATIVEPROPOSEDSESSIONS								
				NTERNALEXAM				
			LABEN	D EXAMINATION				
S.NO			Faculty Name	ith Date				
1	Faculty I(for common Course)		Mrs.K. Janaki	311125				
	2 Course Coordinator		Mr.K.SrinivasaRao	5 )				
3 Programme Coordinator			Dr. V.Swaminadham	V./w-				