



Department of Biotechnology	LP: BT18411
B.E/B.Tech/M.E/M.Tech : Biotechnology	Regulation: 2018
PG Specialisation : -NA-	Rev. No: 01
Sub. Code / Sub. Name : BT18411/Chemical Engineering Laboratory	Date: 02.02.23

Session No*	List of Experiments
<b>CYCLE-I</b>	
1	Flow measurement: Orifice meter
2	Flow measurement: Rotameter
3	Pressure drop in flow through packed column
4	Pressure drop in flow through fluidized beds
5	Pressure drop in flow through helical coil
6	Characteristics of a centrifugal pump
Content beyond syllabus: NA	
<b>CYCLE-II</b>	
7	Filtration in Leaf Filter
8	Heat transfer characteristics in helical coil pipe heat exchanger
9	Heat transfer characteristics in double pipe heat exchanger
10	Simple Distillation
11	HETP in packed distillation
12	Ternary equilibrium in liquid-liquid extraction
13	Adsorption isotherm
Content beyond syllabus: NA	



\* Session Duration: 200 minutes



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**TEXT BOOKS**

1. McCabe W.L, Smith J.C and Harriot P, "Unit Operations of Chemical Engineering", 7th Edition, McGraw Hill, 2014.

	Prepared by	Approved by
Signature		
Name	Dr.K.Vasantharaj	Prof.E.Nakkeeran
Designation	Assistant Professor	HOD
Date	02.02.2023	02.02.2023
Remarks *:	The Same lesson plan will be followed in the subsequent year	
Remarks *:		