



Department of Civil Engineering		LP: CE18612
B.E	: Civil Engineering	Regulation:2018(Autonomous)
PG Specialisation	: NA	Rev. No: 00
Sub. Code / Sub. Name : CE18612/Water Supply and Wastewater Engineering Laboratory		Date: 01/09/2021

Session No*	List of Experiments
<b>CYCLE-I</b>	
1	Measurement of pH, Electrical Conductivity and Turbidity.
2	Determination of Optimum Coagulant Dosage by Jar test.
3	Determination of Iron in Water.
4	Determination of Calcium in Water.
5	Determination of Potassium in Water.
6	Determination of Sodium in Water.
<b>CYCLE-II</b>	
7	Determination of Suspended, Volatile, Fixed and Settleable Solids in Wastewater.
8	Determination of Dissolved Oxygen in Wastewater.
9	Determination of Ammonia Nitrogen in Wastewater.
10	Determination of Nitrate in Wastewater.
11	Determination of Phosphate in wastewater.
12	Determination of Chemical Oxygen Demand (COD).
13	Determination of Biochemical Oxygen Demand (BOD).
Content beyond syllabus (if any): Nil	

\* Session Duration: 150 minutes


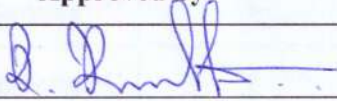




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**REFERENCE:**

1. Standard methods for the examination of water and wastewater, APHA, 22nd Edition, Washington, 2012.

	Prepared by	Approved by
Signature		
Name	Mr.R.Mathiyazhagan	Dr.R.Kumutha
Designation	Assistant Professor	Professor and Head of the Department
Date	01/09/2021	01/09/2021
Remarks* :	The same LP will be followed for the A.Y. 2021-22.  	
Remarks* :		

\* If the same lab plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD