

LAB LESSON PLAN	
JHARSUGUDA ENGINEERING SCHOOL, JHARSUGUDA	
Name of the Faculty: Jagannath Oram	Academic Year: 2019-20
Course No.: Pr 2(a)	Course Name: Engineering Physic practical
Programme: Diploma	Branch: electrical, ETC/IT, Civil, Mech.
Year/Sem: I & II	Section: A, B, C, D, E, F

Sl. No.	Week	Time (min)	Experiments to be performed	Teaching method
1.	1 <sup>st</sup> /Sept	110	Introduction and some basic knowledge about chemistry laboratory	Chalkboard/white board
2.	2 <sup>nd</sup> /Sept	110	Demonstration on Preparation and study of physical and chemical properties CO <sub>2</sub> gas. Conduction of Experiment on Preparation and study of physical and chemical properties CO <sub>2</sub> gas.	Chalkboard/white board
3.	3 <sup>rd</sup> / Sept	110	Demonstration on Preparation and study of physical and chemical properties NH <sub>3</sub> gas. Conduction of Experiment on Preparation and study of physical and chemical properties NH <sub>3</sub> gas.	Chalkboard/white board
4.	4 <sup>th</sup> /Sept	110	Demonstration on Crystallization of Copper sulphate from copper carbonate. Conduction of Experiment on Crystallization of Copper sulphate from copper carbonate.	Chalkboard/white board
5.	1 <sup>st</sup> /Oct	110	Demonstration on Simple acid-base titrations (i) Acidimetry. Conduction of Acidimetry titration.	Chalkboard/white board
6.	2 <sup>nd</sup> /Oct		Demonstration on Simple acid-base titrations (ii) Alkalimetry. Conduction of Alkalimetry titration	Chalkboard/white board
7.	3 <sup>rd</sup> /Oct	110	Demonstration and conduction of Tests for acid radicals (Known): Carbonate, Sulphide, Sulphate. Chloride, Nitrate	Chalkboard/white board
8.	4 <sup>th</sup> /Oct	110	Demonstration and Conduction of Test for Basic radicals (Known): (i) Ammonium, (ii) Zinc, (iii) Magnesium, (iv) Aluminium, (v) Calcium, (vi) Sodium and (vii) potassium	Chalkboard/white board
9.	1 <sup>st</sup> /Nov	110	Conduction of Test for unknown Acid radicals	Chalkboard/white board
10.	2 <sup>nd</sup> /Nov	110	Conduction of Test for unknown basic radicals	Chalkboard/white board

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