

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN

Discipline : METALLURGY ENGG.		Semester: 6th Sem		Name of the Teaching Faculty : Sourav Adhya	
Subject : CE		No. of Days / per week class allotted : 04		Semester From date : 14.02.2023	To Date : 23.05.2023
MONTH	Week	Day	Unit	Topics	
FEBRUARY	3rd		UNIT-1	Introduction to Corrosion	
		3rd		Introduction to Corrosion	
	4th	2nd		Define Corrosion, Explain Cost and Losses of Corrosion	
		3rd		Importances of Corrosion Studies	
		2nd		Discuss about types of Corrosion and rate of Corrosion	
		3rd		Differentiate between Chemical and Electrochemical Corrosion	
	5th		UNIT-2	Corrosion Principles	
		3rd		Explain the Electrochemical Principle of Corrosion	
		2nd		State the Faraday's Law	
		3rd		Causes of Faraday's Law and its Deviation	
	1ST			DOLO PURNIMA	
			UNIT-3	Types of Electrochemical Cells	
	2ND	2nd		Discuss about Galvanic Cell	
		3rd		Discuss about Galvanic Cell	
		2nd		Discuss about Concentration Cell	

MARCH				Discuss about Concentration Cell
	3rd	2nd		Discuss about Electrolytic Cell
		3rd	UNIT-4	Electrode Potential
				Describe and State the Significance of Electrode Potential
		3rd		Describe and State the Significance of Electrode Potential
	4TH	2nd		Describe and State the Significance of Electrode Potential
		3rd		Discuss in detail about EMF and Galvanic Series
				RAMA NAVAMI
		2nd		Discuss in detail about EMF and Galvanic Series
		3rd		Discuss in detail about EMF and Galvanic Series
APRIL	2nd	3rd	UNIT-5	Different Forms of Corrosion
				GOOD FRIDAY
		2nd		Various Factors affecting and Prevention of the Following Corrosion
				CLASS TEST-1
		3rd		Atmospheric and Intergranular Corrosion
	3rd			Pitting Corrosion
		3rd		Galvanic Corrosion
		2nd		High Temperature Oxidation Corrosion
		3rd		Cavitation and Fretting Corrosion
				MOHABISUBA SANKRANTI
	4th	2nd		Stray Current Corrosion
		3rd		Stress Corrosion / Cracking
		2nd		Corrosion Fatigue
		3rd		INTERNAL-1
	5th	2nd		EID-UL-FITAR
		3rd	UNIT-6	Corrosion Prevention
		2nd		Studing the Physical Characteristics of Protective Coating
		3rd		Studing the Chemical Characteristics of Protective Coating
	1st	2nd		Studing the Mechanical Characteristics of Proctective Coating
				BUDDHA PURNIMA
		3rd		Corrosion Prevention by Inhibition

MAY	2nd	2nd	Corrosion Control by Passivation
		3rd	Discuss about Cathodic and Anodic Protection
		2nd	Studing the Mechanical Characteristics of Proctective Coatting
			CLASS TEST-2
		3rd	Corrosion Control by Passivation
	3rd	2nd	Corrosion Control by Passivation
		3rd	Corrosion Control by Passivation
		2nd	Revision
		3rd	Revision
	4th	2nd	Revision
			SABITRI AMABASYA
		3rd	Previous year question answer discussion
		2nd	Previous year question answer discussion