

Dicipline: EE	Semester :5th Sem	Name of the Teaching faculty: SwetaleenaDehury
Subject: UEET	No.of days/per week classalloted:4p(55Min)/week	Semester From date: 15 Sept2022 to Date: 22 Dec 2022 No . Of Weeks:15
Week	Class Day	Theory Topics
1st	1st	1. ELECTROLYTIC PROCESS 1.1. Definition and basic principle of Electro Deposition.
	2nd	1.2 Important terms regarding electrolysis
	3rd	1.3 Faradays law of Electrolysis
	4th	1.4.Definition of current efficiency ,Energy Efficiency
2nd	1st	1.5.Principle of Electrodeposition
	2nd	1.6 Factors Affecting the amount of Electrodeposition
	3rd	1.7. Factor governing the amount of electrodeposition 1.8 Application of Electrolysis
	4th	Tutorial
3rd	1st	2. ELECTRICAL HEATING 2.1.Advantages of Electrical heating
	2nd	2.2.Mode of heat transfer &stephens law
	3rd	2.3. Principle of Resistance Heating(Direct & indirect Resistance Heating)
	4th	2.4.Working Principle of Direct & indirect arc furnace
4th	1st	2.5. Principle of Induction Heating
	2nd	2.6 Principle of Dielectric heating & its application
	3rd	2.7. Principle of Microwave heating and its application
	4th	Class Test 1
5th	1st	3. Principle of ARC welding
	2nd	3.2. Discuss DC & AC Arc welding
	3rd	3.3 DC & AC arc welding plants of single and multi operation type
	4th	3.4.Types of Arc welding
6th	1st	3.5 . Explain principle of Resistance welding
	2nd	3.6. Different types of Resistance welding Methods
	3rd	Tutorial Classes
	4th	4. ILLUMINATION 4.1 Nature of Radiation & its spectrum.
7th	1st	4.2. Terms used in illumination (umen.luminousintensity,intensity of illumination.MHCP,MSCP,MHSCP,Solidangle.Brightness,luminous efficiency)
	2nd	4.3.Explain the inverse square law & the cosine law
	3rd	4.4. Explain polar curve

