Dicipline: EE	Semester :5th Sem	Name of the Teaching faculty: SwetaleenaDehury
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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	Jheory Topics
1st		1. ELECTROLYTIC PROCESS
		1.1. Definition and basic principle of Electro Deposition.
	1st	
	2nd	1.2 Important terms regarding electrolysis
	3rd	1.3 Faradays law of Electrolysis
	4th	1.4.Definition of current efficiency ,Energy Efficiency
2nd		And the self-content a power of the self-content of the self-conte
	1st	1.5.Principle of Electrodeposition
	2nd	1.6 Factors Affecting the amount of Electrodeposition
	2.1	1.7. Factor governing the amount of electrodeposition 1.8 Application
	3rd	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
314	1st	2.5. Principle of Induction Heating
	2nd	2.6 Principle of Dielectric heating & its application
4th	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.
	F(I)	4.2. Terms used in illumination (umen.luminousintensity,intensity o
		illumination.MHCP,MSCP,MHSCP,Solidangle.Brightness,luminous
7th	1st	efficiency)
	2nd	4.3.Explain the inverse square law & the cosine law
	3rd	4.4. Explain polar curve

A . 2019	4th	4.5 Describe light distribution& control .Explain maintenance factor and depreciation Factor
	1st	4.6 Design simple lighting schemes
	2nd	4.7 Constructional Feature and working of Filament lamps, effect of variation of voltage on working of filaments lamp
8th	3rd	4.8 Explain Discharge lamps
	4th	4.9 state basic idea about excitation in gas discharge lamp
	1st	4.10. State constructional features and operation of fluorescent lamo(PL & PLL Lamps)
9th	2nd	4.11. Sodium Vapour Lamps
	3rd	4.12 High pressure mercury vapor lamp
	4th	Tutorial Classes
	1st	4.13. Neon Sign lamp
10th	2nd	4.14. High lumen output & low consumption fluorescent lamp
10011	3rd	. INTERNAL
	4th	INTERNAL
300	1st	5. INDUSTRIAL DRIVE 5.1. State group & Individual Drive
11th	2nd	5.2.Method of choice of Electric drive
11(1)	3rd	5.3Explain starting & running c/s of DC & AC motor
	4th	Tutorial
	1st	5.4State application of DC Motor
,	2nd	5.4.2. Three phase Induction motor
12th	3rd	5.4.3. Three phase Sychronous motor
	4th	5.4.4 Single phase induction series motor, universal motor and repulsion motor
	1st	6.ELECTRIC TRACTION 6.1 Explain system of traction
13th	2nd	6.2 System of Electrification
13(11	3rd	6.3. Running c/s of DC & AC Traction motor
	4th	Class Test 2
er e	1st	6.4 Explain control of motor 6.4.1 Tapped Field control
14th	2nd	6.4.2. Rheostatic Control
14(1)	3rd	6.4.3. Series Prallel Control
- E	4th	6.4.4 Multi unit control 6.4.5 Metadyne Control
-	1st	6.5 Explain Breaking 6.5.1 Regenerative Braking
15th	2nd	6.5.2 Braking with 1phase series motor
1311	3rd	6.5.3. Magnetic Braking
	4th	Tutorial Classes