LESSON PLAN OF UTILIZATION OF ELECTRICAL ENERGY AND TRACTION

	2nd	Describelightdistribution andcontrolpanel
	3rd	Ch-6maintenancefactoranddepreciationfactor, simplelightingschemesandlightingfactor
	4th	Constructionalfeatureandworkingof filamentlamps,effectof variationof voltageonworkingof filamentlamps
9th	1st	Discharge lamps
	2nd	Constructionalfeaturesofandoperationoffluorescentlamp
	3rd	Sodiumvapourlamp, highpressuremercuryvapourlamps
	4th	Neonsignlamp,
10th	1st	Highlumenoutput&lowconsumptionfluorescentlamp
	2nd	Ch-5industrialdrive,groupandindividualdrive
	3rd	Methodsofchoice ofelectricdrive
	4th	StartingandrunningcharacteristicsofDCandACmotor
11th	1st	ApplicationofDCmotor,3-phinductionmotor
	2nd	Applicationof3-phsynchronousmotor,
	3rd	Application1-phinductionmotor,seriesmotor,
	4th	Applicationuniversalmotorandrepulsionmotor
12th	1st	Ch-6Electrictraction
	2nd	Systemoftraction
	3rd	Systemoftrackingelectrification
	4th	RunningcharacteristicsofDCtractionmotor
13th	1st	Runningcharacteristicsof ACtractionmotor
	2nd	Controlofmotor
	3rd	Tappedfieldcontrol
	4th	Rheostaticcontrol
14th	1st	Seriesparallelcontrol
	2nd	Metadynecontrol
	3rd	Braking
	4th	Magneticbraking
15th	1st	Brakingwith1-phseriesmotor
	2nd	Regenerativebraking
	3rd	Numerical practice
	4th	Overalldiscussion

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DISCIPLINE	SEMESTER	Name of the teaching faculty- Chinmaya Kumar Patra
SUB-UEET	5th	Semester From Date-
	4days/week	No of Weeks-15
1st	1st	Ch-1 Electrolytic process
	2nd	Definitionandbasicprincipleofelectrodeposition
	3rd	Importantterms regardingelectrolysis
	4th	Faraday'slawofelectrolysis
2nd	1st	currentefficiency,energy efficiency
	2nd	Principleofelectrodeposition,andfactorsaffectingtheamountofelectrodeposition
	3rd	Factorsgoverningtheelectrodeposition
	4th	Simpleexamplerelatedtoextractionofmetals
3rd	1st	Applicationofelectrolysis
	2nd	Ch-2Advantage ofelectrical heating
	3rd	Modeofheattransferandstephen'slaw
	4th	Principleof resistanceheating(direct,indirect)
4th	1st	workingprincipleof directArcfurnaceandindirectarcfurnace
	2nd	Principleofinductionheating
	3rd	Workingprincipleof directcoretypeverticalcoretypeandindirectcoretypeinductionfurnace
	4th	Principleofcorelessinductionfurnaceandskineffect
5th	1st	Principleofdielectricheatingandapplication
	2nd	PrincipleofMicrowaveheatinganditsapplication
	3rd	Ch-3explainprincipleofarcwelding
	4th	D.CandA.Carcphenomena
6th	1st	D.CandA.Carcweldingplantsofsingletype
	2nd	D.CandA.CarcweldingplantsofMultioperationtype
	3rd	Typesofarcwelding
	4th	Principleofresistancewelding
7th	1st	Descriptivestudyofdifferentresistanceweldingmethods
	2nd	Ch-4illumination,natureofradiationanditsspectrum
	3rd	Luminousintensity,lumen,intensityofillumination,MHCP,MSCP,MHSCP,brightness,solidangle Luminousefficiency
	4th	Inversesquarelawandthecosinelaw
8th	1st	Polarcurves

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