LESSON PLAN

NAME OF FACULTY : RINKU DHIMAN
DISCIPLINE : EEE
SEMESTER : 8th
SUBJECT : UTILAZTION OF ELECTRICAL ENERGY
LESSON PLAN DURATION : 15 WEEKS (FROM JANUARY , 2018 TO APRIL, 2018)
WORK LOAD (LECTURE/PRACTICAL)PER WEEK (IN HOURS) : 4 LECTURE, 0 PRACTICAL

WEEK	THEORY	
	Lectrue Day	**Topic (Including Assignment/Test)**
1st	I	Illumination: Term used in illumination,
	II	
	III	Law's of illumination
	IV	
2nd	I	Sources of light
	II	Arc lamp incandescent lamp
	III	Discharge lamp
	IV	Sodium vapour Lamp
3rd	I	Mercury vapour lamp,
	II	Flourescent tubes
	III	Lightening schemes
	IV	Lightening schemes,
4th	I	Method of lightning calculation
	II	Method of lightning calculation
	III	**Unit-1 Test**
	IV	Electrical Heating
5th	I	Advantages of Electrical Heating
	II	Various types of Electrical
	III	heating
	IV	Power frequency heating
6th	I	High frequency heating
	II	Degree of heating element
	III	Equivalent circuit of arc furnace
	IV	Resistance heating,
7th	I	Arc heating
	II	Induction heating
	III	Dielectric heating
	IV	Electric Welding
8th	I	Introduction to welding
	II	All type weldings
	III	Resistance welding
	IV	Arc welding
9th	I	Electrical winding equipment,
	II	Comparison between AC & DC welding,
	III	Types of electrodes
	IV	Advantages of coated electrode,
10th	I	**Unit-2 Test**
	II	Electroplating,Basic principle
	III	Power supply
	IV	Faraday's law of electrostatics,
11th	I	Terms used,Application of electrolysis,
	II	actors governing electro deposition,
	III	Refrigeration & Air Conditioning: Basic principle,
	IV	various compression cycle
12th	I	system its application,
	II	Electric circuit of refrigerator
	III	Air conditioner
	IV	**Unit 3rd test**
13th	I	Different system of electric traction,
	II	Comparison between AC
	III	Block diagram of traction system ,Starting-Speed control and
	IV	Speedcontrol and braking –Speed time curves,-
14th	I	Curves,Mechanics of Train movement
	II	Tractive effort acceleration
	III	Power output from driving axles
	IV	Energy output from driving axles
15th	I	Specific energy output Expression
	II	Specific energy consumption
	III	Train resistance.
	IV	**Unit 4th test**