

**LESSON PLAN -2019-20**  
**SWAMI VIVEKANANDA SCHOOL OF ENGG &TECH,BBSR**

DISCIPLINE- FIRST YEAR	SEMESTER-2nd	NAME OF TEACHING FACULTY-SASMITA DAS
SUBJECT-BASIC ELECTRICAL	NO OF CLASS ALLOTTED/PER WEEK- (2+1)	SEMESTER From date-2/1/2020 to 30/4/2020 NO OF WEEKS-20
WEEK	CLASS DAY(DATES)	THEORY TOPICS
1st	1/2/2020	Concept of Electricity
	1/3/2020	Introduction to Basic Electrical Engineering
	1/4/2020	Definition of current , voltage ,power , resistance
	1/6/2020	Concept of Current flow
2nd	1/7/2020	Concept of source and load
	1/8/2020	Ohm's law
	1/9/2020	Concept of Resistance
	1/10/2020	Concept of open and short circuit
	1/11/2020	Relation of V I R in series and parallel circuit
	1/13/2020	Relation of V I R in series and parallel circuit
3rd	1/14/2020	Revision
	1/15/2020	Revision
	1/16/2020	Numerical Solved
	1/17/2020	Division of current in parallel circuit
	1/18/2020	Resistor connected in parallel
	1/20/2020	Resistor connected in parallel(numerical)
4th	1/21/2020	Numerical Solved
	1/22/2020	Effect of power in series and parallel circuit
	1/24/2020	Revision
	1/25/2020	Kirchoff's law
5th	1/27/2020	Simple problems on kcl and kvl
	1/28/2020	Discussion of Question (class test)
		AC theory-Generation of alternating emf
1st	1/30/2020	Difference between AC and DC
	1/31/2020	Define Amplitude,instantaneous value,cycle,time period,frequency,phase angle,phase difference
	2/1/2020	State and explain RMS value ,average value
	2/3/2020	Revision
2nd	2/4/2020	Revision
	2/5/2020	Representation of ac in phasor diagram
	2/6/2020	<b>Internal assessment</b>
	2/7/2020	AC through pure resistance,inductance ,capacitance
	2/8/2020	AC through RL,RC,RLC series circuit.
3rd	2/10/2020	Numerical Solved
	2/11/2020	Doubt clearing class
	2/12/2020	Concept of power and power factor
	2/13/2020	Concept of power and power factor
	2/14/2020	Impedance triangle and power triangle
4th	2/15/2020	Impedance triangle and power triangle
	2/17/2020	CLASS TEST
	2/18/2020	Question Discussion
	2/19/2020	Question and answer discussion of chapter 1
	2/20/2020	Question and answer discussion of chapter 2
	2/22/2020	Doubt clearing class
	2/24/2020	Generation of electric power
	2/25/2020	Elementary idea on generation of electricity from thermal

5th	2/26/2020	Elementary idea on generation of electricity from HYDRO
	2/27/2020	Elementary idea on generation of electricity from NUCLEAR
	2/28/2020	REVISION
1st	2/29/2020	REVISION
	3/2/2020	Question and answer discussed of chapter 3
2nd	3/3/2020	Doubt clearing class
	3/4/2020	Doubt clearing class
	3/5/2020	Doubt clearing class
	3/6/2020	Question Discussion
3rd	3/7/2020	Question and answer discussion of chapter 1
	3/11/2020	Question and answer discussion of chapter 2
	3/12/2020	Doubt clearing class
	3/13/2020	Generation of electric power
	3/16/2020	Elementary idea on generation of electricity from HYDRO
	3/17/2020	Elementary idea on generation of electricity from NUCLEAR
4th	3/18/2020	<b>INTERNAL ASSESSMENT-2</b>
	3/19/2020	Question and answer discussed of chapter 3
	3/20/2020	Doubt clearing class
	3/21/2020	Doubt clearing class
	3/23/2020	Doubt clearing class
5th	3/24/2020	Conversation of electrical energy
	3/25/2020	Introduction of Dc machine
	3/26/2020	Main parts of DC machine
	3/27/2020	Classification of DC generator
	3/28/2020	Classification of DC motor
	1st	3/30/2020
3/31/2020		Types and uses single phase induction motor
4/2/2020		Concept of Lumen
4/3/2020		Different types of lamps
4/4/2020		Different types of lamps
4/6/2020		Star rating of home appliances
2nd	4/7/2020	CLASS TEST
	4/8/2020	Wiring and power billing
	4/9/2020	Layout of house hold, electrical wiring
	4/10/2020	List out the basic protection device used in household wiring
	4/11/2020	Calculate energy consumed in a small electrical installation
	4/13/2020	CLASS TEST
3rd	4/14/2020	Introduction to measuring instrument
	4/15/2020	Torque in instrument
	4/16/2020	Different types of PMMC instrument
	4/17/2020	Different uses of MI type of instrument
	4/18/2020	Draw the connection diagram of ac and dc ammeter and voltmeter
4th	4/20/2020	Draw the connection diagram of ac energy meter
	4/21/2020	Draw the connection diagram of wattmeter
	4/22/2020	Revision ( previous year question answer discussion)
	4/23/2020	Revision ( previous year question answer discussion)
	4/24/2020	Revision ( previous year question answer discussion)
	4/25/2020	Revision ( previous year question answer discussion)
5th	4/27/2020	Revision ( previous year question answer discussion)
	4/28/2020	Revision ( previous year question answer discussion)
	4/29/2020	Revision ( previous year question answer discussion)
	4/30/2020	Revision ( previous year question answer discussion)