

BALASORE SCHOOL OF ENGINEERING

LESSON PLAN FOR 1ST SEMESTER

SESSION - 2023

Branch:-Electrical Engineering

SEMESTER: -1st

SUBJECT:- Basic Electrical

THEORY - 04(A)

Name of the Teacher:-T. R. Das

SEC-C

CH	MONTH	DATE	CHAPTERS	No. of periods available as per syllabus	No. of periods available as per plan
1	AUG		1. FUNDAMENTALS	5	7
		2023-08-18	1.1 Concept of current flow		
		do	1.2 Concept of source and load		
		2023-08-21	1.3 State Ohm's law and concept of resistance.		
		22/03/23	1.4 Relation of V, I & R in series circuit.		
		2023-08-23	1.5 Relation of V, I & R in parallel circuit		
		2023-08-25	1.6 Division of current in parallel circuit.		
		2023-08-25	1.7 Effect of power in series & parallel circuit.		
		2023-08-28	1.8 Kirchhoff's Law		
2023-08-29	1.9 Simple problems on Kirchhoff's law.				
2	SEPT		2. A.C. THEORY	8	10
		2023-09-01	2.1 Generation of alternating emf		
		2023-09-04	2.2 Difference between D.C. & A.C.		
		2023-09-05	2.3 Define Amplitude, instantaneous value, cycle, ...		
		2023-09-08	2.4 State & Explain RMS value,...		
		2023-09-11	2.5 Represent AC values in phasor diagrams.		
		2023-09-12	2.6 AC through pure resistance, inductance...		
		2023-09-13	2.7 AC through RL, RC, RLC series circuits.		
		2023-09-15	2.8 Simple problems on RL, RC & RLC series circuits.		
		2023-09-22	2.9 Concept of Power and Power factor		
2023-09-25	2.10 Impedance triangle and power triangle.				
3			3. GENERATION OF ELECTRICAL POWER	3	3
		2023-09-26	Hydel Power		
		2023-09-27	Thermal Power		
2023-09-29	Nuclear Power				
4	OCT		4. CONVERSION OF ELECTRICAL ENERGY	7	9
		2023-10-03	4.1 Introduction of DC machines.		
		2023-10-04	4.2 Main parts of DC machines		
		06-Oct	4.3 Classification of DC generator		
		09-Oct	4.4 Classification of DC motor.		
		10-Oct	4.5 Uses of different types of DC generators & motors.		
		2023-10-11	4.6 Types and uses of single phase induction motors.		
		2023-10-13	4.7 Concept of Lumen		
		2023-10-30	4.8 Different types of Lamps.....		
2023-10-31	4.9 Star rating of home appliances.....				
5			5. WIRING AND POWER BILLING	4	4
		01-Nov	5.1 Types of wiring for domestic installations.		
		2023-11-03	5.2 Layout of household electrical wiring...		
		2023-11-06	5.3 List out the basic protective devices....		
2023-11-07	5.4 Calculate energy consumed....				
6	NOV		6. MEASURING INSTRUMENTS	3	5
		2023-11-08	6.1 Introduction to measuring instruments		
		2023-11-10	6.2 Torques in instruments.		
		2023-11-13	6.3 Different uses of PMMC type of instruments		
		2023-11-14	6.4 Different uses of MI type of instruments		
		2023-11-15	6.5 Draw the connection diagram....		
2023-11-17	REVISION				
2023-11-20	REVISION				2

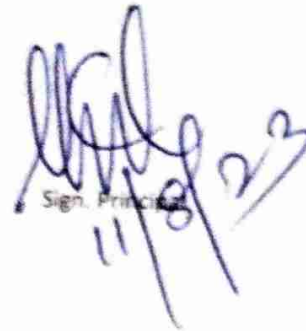
MONTH	chapter	REMARKS
SEPT	Ch-3,80 % Ch-4	25%
OCT	20% CH-4, CH-5	26%
NOV	JUNE-CH-06	5%


11/8/23

Sign. lecturer


11/8/23

Sign. HoD


11/8/23

Sign. Principal