UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Academic Lesson Plan for summer semester- 2025

Name of the teaching faculty :Umesh Chandra Sethi
Semester:4th
No. of periods per week: **6**
End Semester Examination-100
Total Mark-125

Discipline / Dept.: **EE**
Subject(PRATICAL): **E.D.**
Total Period :90
Sessional : 25

Week	Period	UNIT/CHAPTER	TOPIC TO BE COVERED
1st	1st	WIRING DIAGRAM AND CONTROL CIRCUIT	3 point D. C. motor starter
	2nd		
	3rd		
	1st		4 point D.C. motor starter.
	2nd		
	3rd		
2nd	1st		DOL starter
	2nd		
	3rd		
	1st		Star delta starter
	2nd		
	3rd		
3rd	1st		Auto Transformer Starter.
	2nd		
	3rd		
	1st		Rotor resistance starter.
	2nd		
	3rd		
4th	1st	DRAW D.C. M/C PARTS (Dimensional Drawing)	Pole with pole shoes
	2nd		
	3rd		
	1st		Commutator
	2nd		
	3rd		
5th	1st		Armature
	2nd		
	3rd		
	1st		DC. armature winding (a)

	2nd		Simple lap winding
	3rd		
6th	1st		DC. Armature winding (b) Simple wave winding.
	2nd		
	3rd		
	1st		DC. Armature winding (b) Simple wave winding.
	2nd		
	3rd		
7th	1st	DRAW 1-PHASE & 3-PHASE TRANSFORMER (Assembly Drawing)	Stepped core type
	2nd		
	3rd		
	1st		Stepped core type
	2nd		
	3rd		
8th	1st		Plane shell type.
	2nd		
	3rd		
			Plane shell type.
9th		DRAW SKETCHES OF THE FOLLOWING AS PER B.I.S AND REC SPECIFICATIONS	Earthing installation
			Earthing installation
10th			Double pole structure for LT distribution lines
			Double pole structure for LT distribution lines
11			Double pole structure for HT distribution lines.
			Double pole structure for HT distribution lines.
12		DRAW SINGLE LINE DIAGRAM OF SUBSTATION	Single line diagram of 33/11 kv distribution substation
			Single line diagram of 33/11 kv distribution substation
13			Single line diagram of 11/0.4 kv distribution substation

		COMPUTER AIDED ELECTRICAL DRAWING USING SOFT WARE	Draw Electrical Symbols
14			Draw D/C machine parts
			Draw A/C machine parts
15			Draw electrical layout of diagram of electrical installation of a building
			Draw electrical layout of diagram of electrical installation of a building

The lesson plan prepared by the concerned faculty.

UMESH CHANDRA SETHI
Guest Faculty
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