

ACADEMIC LESSON PLAN SUMMER 2023

Discipline Electrical	Semester: 4 th Sec-A(Gr1)	Name of the Teaching Faculty: - SANDEEP MOHAPATRA
Subject: - ED PR-4	No of Days/per Week Class Allotted: 6p/week	Semester From: 14 th February 2023 to 23 rd May 2023
Week	Class Day	Practical Topics
1 st	1st	1. WIRING DIAGRAM AND CONTROL CIRCUIT 1.1 3 point D. C. motor starter.
	2nd	1.2 4 point D.C. motor starter.
2 nd	1st	1.3 DOL starter 1.4 Star delta starter.
	2nd	1.5 Auto Transformer Starter.
3 rd	1st	1.5 Auto Transformer Starter.
	2nd	1.6 Rotor resistance starter.
4 th	1st	2. DRAW D.C. M/C PARTS (Dimensional Drawing) 2.1. Pole with pole shoes.
	2nd	2.2. Commutator
5 th	1st	2.3. Armature
	2nd	2.4. DC. armature winding (a) Simple lap winding (b) Simple wave winding.
6 th	1st	2.4. DC. armature winding (a) Simple lap winding (b) Simple wave winding.
	2nd	3. DRAW 1-PHASE & 3-PHASE TRANSFORMER (Assembly Drawing) 3.1 Stepped core type.
7 th	1st	3.2 Plane shell type.
	2nd	5. DRAW SKETCHES OF THE FOLLOWING AS PER B.I.S AND REC SPECIFICATIONS 5.1 Earthing installation.
8 th	1st	5.2 Double pole structure for LT and HT distribution lines.
	2nd	5.2 Double pole structure for LT and HT distribution lines.
9 th	1st	6. DRAW SINGLE LINE DIAGRAM OF SUBSTATION 6.1 Single line diagram of 33/11kV distribution substation.
	2nd	6. DRAW SINGLE LINE DIAGRAM OF SUBSTATION 6.1 Single line diagram of 33/11kV distribution substation.
10 th	1st	6.2 Single line diagram of a 11/0.4 kV distribution substation.
	2nd	6.2 Single line diagram of a 11/0.4 kV distribution substation.
11 th	1st	8. COMPUTER AIDED ELECTRICAL DRAWING USING SOFT WARE 8.1 Draw Electrical symbols (take Print out)

	2nd	8.2 Draw D.C. m/c parts (take print out)
12 th	1st	8.2 Draw D.C. m/c parts (take print out)
13 th	2nd	8.3 Draw A. C. m/c parts (take print out)
	1st	8.3 Draw A. C. m/c parts (take print out)
	2nd	8.3 Draw A. C. m/c parts (take print out)
14 th	1st	8.3 Draw A. C. m/c parts (take print out)
	2nd	8.4 Draw electrical layout of diagram of Electrical Installation of a building.
15 th (Extra class)	1st	8.4 Draw electrical layout of diagram of Electrical Installation of a building.
	2nd	8.4 Draw electrical layout of diagram of Electrical Installation of a building.

Signature of the Faculty

ACADEMIC LESSON PLAN SUMMER 2023

Discipline Electrical	Semester: 4 th Sec-A(Gr2)	Name of the Teaching Faculty: - SANDEEP MOHAPATRA
Subject: - ED PR-4	No of Days/per Week Class Allotted: 6p/week	Semester From: 14 th February 2023 to 23 rd May 2023
Week	Class Day	Practical Topics
1 st	1st	1. WIRING DIAGRAM AND CONTROL CIRCUIT 1.1 3 point D. C. motor starter.
	2nd	1.2 4 point D.C. motor starter.
2 nd	1st	1.3 DOL starter 1.4 Star delta starter.
	2nd	1.5 Auto Transformer Starter.
3 rd	1st	1.5 Auto Transformer Starter.
	2nd	1.6 Rotor resistance starter.
4 th	1st	2. DRAW D.C. M/C PARTS (Dimensional Drawing) 2.1. Pole with pole shoes.
	2nd	2.2. Commutator
5 th	1st	2.3. Armature
	2nd	2.4. DC. armature winding (a) Simple lap winding (b) Simple wave winding.
6 th	1st	2.4. DC. armature winding (a) Simple lap winding (b) Simple wave winding.
	2nd	3. DRAW 1-PHASE & 3-PHASE TRANSFORMER (Assembly Drawing) 3.1 Stepped core type.
7 th	1st	3.2 Plane shell type.
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8 th	1st	5.2 Double pole structure for LT and HT distribution lines.
	2nd	5.2 Double pole structure for LT and HT distribution lines.
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	2nd	6. DRAW SINGLE LINE DIAGRAM OF SUBSTATION 6.1 Single line diagram of 33/11kV distribution substation.
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	2nd	8.2 Draw D.C. m/c parts (take print out)
12 th	1st	8.2 Draw D.C. m/c parts (take print out)
13 th	2nd	8.3 Draw A. C. m/c parts (take print out)
	1st	8.3 Draw A. C. m/c parts (take print out)
	2nd	8.3 Draw A. C. m/c parts (take print out)
14 th	1st	8.3 Draw A. C. m/c parts (take print out)
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