ACADEMIC LESSON PLAN OF SUMMER 2022

Discipline **ELECTRICAL**	Semester: -4th **(Sec A,Grp 1)**	Name of the Teaching Faculty: - **Amit Kumar Bisoyi and Biswanita Sahu**
Subject: - **Electrical Machine Lab-I**	No of Days/per Week Class Allotted: **2p/week**	Semester From: -**10th March 2022** To: **10th June 2022**
Week	**Class Day**	**Practical Topics**
1st	10/03/2022	1. Identification of different terminals of a DC machine by test lamp method and multi-meter method & to measure insulation resistance by megger.(contd.)
	14/03/2022	1. Identification of different terminals of a DC machine by test lamp method and multi-meter method & to measure insulation resistance by megger.
2nd	17/03/2022	2. Dimensional and material study of various parts of a DC machine.(contd.)
	21/03/2022	2. Dimensional and material study of various parts of a DC machine.
3rd	24/03/2022	3.Plot OCC of a DC shunt generator at constant speed and determine critical resistance from the graph.(contd.)
	28/03/2022	3.Plot OCC of a DC shunt generator at constant speed and determine critical resistance from the graph.
4th	31/03/2022	4.Plot External Characteristics of a DC shunt generator at constant speed.
	04/04/2022	5. Study of Three point starter, connect and run a DC shunt motor & measure the no load current.(contd.)
5th	07/04/2022	5. Study of Three point starter, connect and run a DC shunt motor & measure the no load current.
	11/04/2022	6. Study of Four point starter, connect and run a DC compound motor & measure no load current.
6th	14/04/2022	Holiday
	18/04/2022	6. Study of Four point starter, connect and run a DC compound motor & measure no load current.
7th	21/04/2022	7. Control the speed of a DC shunt motor by field flux control method. (Contd.)
	25/04/2022	7. Control the speed of a DC shunt motor by field flux control method. (Contd.)
8th	28/04/2022	7. Control the speed of a DC shunt motor by field flux control method.
	02/05/2022	8.Control the speed of a DC shunt motor by armature voltage control method. (Contd.)

9th	05/05/2022	8. Determine the armature current vs. speed characteristic of a DC motor(Contd.)
	09/05/2022	8. Determine the armature current vs. speed characteristic of a DC motor
10th	12/05/2022	9. Determine the efficiency of a DC machine by brake test method. (Contd.)
	16/05/2022	Holiday
11th	19/05/2022	9. Determine the efficiency of a DC machine by brake test method. (Contd.)
	23/05/2022	9. Determine the efficiency of a DC machine by brake test method.
12th	26/05/2022	10. Identification of terminals, determination of voltage transformation ratio of a Single Phase Transformer(Contd.)
	30/05/2022	Holiday
13th	02/06/2022	10. Identification of terminals, determination of voltage transformation ratio of a Single Phase Transformer (Contd.)
	06/06/2022	10. Identification of terminals, determination of voltage transformation ratio of a Single Phase Transformer
14th	09/06/2022	11. Perform OC Test of a Single Phase Transformer.(Contd.)
	Extra Class	11. Perform SC test of a Single Phase Transformer. (Contd.)
15th	Extra Class	11. Perform SC test of a SinglePhaseTransformer.
	Extra Class	12. Determine the voltage regulation of a Single Phase Transformer at different loads. (Contd.)
16th	Extra Class	12. Determine the voltage regulation of a Single Phase Transformer at different loads. (Contd.)
	Extra Class	12. Determine the voltage regulation of a Single Phase Transformer at different loads. (Contd.)
17th	Extra Class	12. Determine the voltage regulation of a Single Phase Transformer at different loads.

Signature of Teaching Faculty