Lesson Plan on

(PR-1) REFRIGERATION & AIR CONDITIONING LAB

(5th sem)

Prepared by

Chinmayee Jayasingh

PTGF ,MECHANICAL ENGG.

GOVERNMENT POLYTECHNIC, PURI

DEPARTMENT OF MECHANICAL ENGINEERING

Discipline: MECHANICAL ENGG	Semester: 5TH	Name of the Teaching Faculty: MISS CHINMAYEE JAYASINGH, PTGF IN MECH. ENGG.
Subject: Pr.1 REFRIGERATION AND AIR CONDITIONING LAB	No. of days/per week class allotted: 04	Semester From date: 15.09.2022 To Date: 22.12.2022 No. of Weeks: 15
PRE-REQUISITE	Basic knowledge about domestic refrigerator,vapor absorption,vapor compression refrigeration,window air conditioner and split air conditioner.	
COURSE OUTCOMES	CO1:Study the construction features of Domestic Refrigerator, water cooler, Window Air Conditioner, Split Air Conditioner. CO2:.Determining the capacity, COP, of Refrigerator Test Rig, Window air Conditioner, Split Air Conditioner, Water cooler. CO3:Locating the leakage,Charging of the refrigerating system.	

Week	Class Day	Theory / Practical Topics	DELIVERY METHOD
1ST	1ST	Study the construction features of Domestic Refrigerator.	Lab Manual / LAB
	2ND	Study the construction features of Domestic Refrigerator.	Lab Manual / LAB
	3RD	Study the construction features of Domestic Refrigerator.	Lab Manual / LAB
	4TH	Study the construction features of Domestic Refrigerator.	Lab Manual / LAB
2ND	1ST	Study the construction features of Domestic Refrigerator.	Lab Manual / LAB
	2ND	Study the construction features of Domestic Refrigerator.	Lab Manual / LAB
	3RD	Study the construction features of water cooler.	Lab Manual / LAB
	4TH	Study the construction features of water cooler.	Lab Manual / LAB
3RD	1ST	Study the construction features of water cooler.	Lab Manual / LAB
	2ND	Study the construction features of water cooler.	Lab Manual / LAB
	3RD	Study the construction features of water cooler.	Lab Manual / LAB
	4TH	Study the construction features of water cooler.	Lab Manual / LAB
4TH	1ST	Study the construction features of window air conditioner	Lab Manual / LAB
	2ND	Study the construction features of window air conditioner	Lab Manual / LAB
	3RD	Study the construction features of window air conditioner	Lab Manual / LAB
	4TH	Study the construction features of window air conditioner	Lab Manual / LAB
5TH	1ST	Study the construction features of window air conditioner	Lab Manual / LAB
	2ND	Study the construction features of window air conditioner	Lab Manual / LAB
	3RD	Study the construction features of split air conditioner	Lab Manual / LAB
	4TH	Study the construction features of split air conditioner	Lab Manual / LAB
6TH	1ST	Study the construction features of split air conditioner	Lab Manual / LAB
	2ND	Study the construction features of split air conditioner	Lab Manual / LAB
	3RD	Study the construction features of split air conditioner	Lab Manual / LAB
	4TH	Study the construction features of split air conditioner	Lab Manual / LAB
7TH	1ST	Determine the capacity and cop of vapour compression Refrigerator test rig.	Lab Manual / LAB
	2ND	Determine the capacity and cop of vapour compression Refrigerator test rig.	Lab Manual / LAB
	3RD	Determine the capacity and cop of vapour compression Refrigerator test rig.	Lab Manual / LAB
	4TH	Determine the capacity and cop of vapour compression Refrigerator test rig.	Lab Manual / LAB
	1ST	Determine the capacity and cop of vapour compression Refrigerator test rig.	

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	2ND	Determine the capacity and cop of vapour compression Refrigerator test rig.	Lab Manual / LAB
	3RD	Determine the capacity and cop of water cooler	Lab Manual / LAB
	4TH	Determine the capacity and cop of water cooler	Lab Manual / LAB
8TH	1ST	Determine the capacity and cop of water cooler	Lab Manual / LAB
	2ND	Determine the capacity and cop of water cooler	Lab Manual / LAB
	3RD	Determine the capacity and cop of water cooler	Lab Manual / LAB
	4TH	Determine the capacity and cop of water cooler	Lab Manual / LAB
9TH	1ST	Determine the capacity and cop of window air conditioner	Lab Manual / LAB
	2ND	Determine the capacity and cop of window air conditioner	Lab Manual / LAB
	3RD	Determine the capacity and cop of window air conditioner	Lab Manual / LAB
	4TH	Determine the capacity and cop of window air conditioner	Lab Manual / LAB
10TH	1ST	Determine the capacity and cop of window air conditioner	Lab Manual / LAB
	2ND	Determine the capacity and cop of window air conditioner	Lab Manual / LAB
	3RD	Determine the capacity and cop of split air conditioner	Lab Manual / LAB
	4TH	Determine the capacity and cop of split air conditioner	Lab Manual / LAB
11TH	1ST	Determine the capacity and cop of split air conditioner	Lab Manual / LAB
	2ND	Determine the capacity and cop of split air conditioner	Lab Manual / LAB
	3RD	Determine the capacity and cop of split air conditioner	Lab Manual / LAB
	4TH	Determine the capacity and cop of split air conditioner	Lab Manual / LAB
12TH	1ST	Determine the capacity and cop of vapour absorption Refrigerator test rig.	Lab Manual / LAB
	2ND	Determine the capacity and cop of vapour absorption Refrigerator test rig.	Lab Manual / LAB
	3RD	Determine the capacity and cop of vapour absorption Refrigerator test rig.	Lab Manual / LAB
	4TH	Determine the capacity and cop of vapour absorption Refrigerator test rig.	Lab Manual / LAB
13TH	1ST	Determine the capacity and cop of vapour absorption Refrigerator test rig.	Lab Manual / LAB
	2ND	Determine the capacity and cop of vapour absorption Refrigerator test rig.	Lab Manual / LAB
	3RD	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
	4TH	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
14TH	1ST	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
	2ND	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
	3RD	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
	4TH	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
15TH	1ST	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
	2ND	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
	3RD	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB
	4TH	Complete charging of a domestic refrigerator and its leak test.	Lab Manual / LAB

Chinmayee Jayasingh.
Sign. Of Concerned Faculty

L.P. Chowdhury 17/9/22
Principal
G.P. Puri

17/09/22
Sign. Of HOD

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