GOVERNMENT POLYTECHNIC JAJPUR

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DEPARTMENT OF MECHANICAL ENGINEERING **LESSON PLAN**

Discipline:	LESSON PLAN			
Mechanical	Semester: 5th	Name of the Teaching faculty: Gitanjali Sethi		
Subject:				
Refrigeration	No of	Semester from Date: 15.09.22 To Date: 21-01.23		
& Air	Days/Week	No of weeks: 15		
Conditioning	class alloted: 4			
lab(Pr1)	ciass anotea: 4			
Week	Class Day			
	Class Day	Topics Topics		
į.		EXPT-1 Study the construction features of Domestic Refrigerator		
	1st(2p)	i) Aim of the expt		
		ii) Types of refrigerants and Equipment details		
□ 1st		iii) Basic working principle of domestic refrigerator		
- 1, 1		Study the construction features of Domestic Refrigerator i) Aim of the expt		
100 m	2nd(2p)			
		ii) Types of refrigerants and Equipment details		
		iii) Basic working principle of domestic refrigerator		
	2 1/2 1	Study the construction features of Domestic Refrigerator i) Aim of the expt		
	3rd(2p)	ii) Types of refrigerants and Equipment details		
2nd		iii) Basic working principle of domestic refrigerator and VIVA.		
2110		EXPT-2 Study of construction features of water cooler		
1	1	i) Aim of the expt		
!	71111/2/1/1	ii) Equipment details		
141 ⁴ 141 15		iii) Basic Theory and working		
		Study of construction features of water cooler		
	l i) Aim of the expt		
<u>.</u>	3HHZDI -	i) Equipment details		
3rd	Ţi.	ii) Basic Theory and working		
5.0		tudy of construction features of water cooler		
	(i)	Aim of the expt		
	01111/111 =-	Equipment details		
		i) Basic Theory and working, VIVA		
		XPT-3 Study the construction features of window air conditioner		
	7th(2p) <u>ii)</u> ii)	Aim of the expt		
4th		Equipment details		
) Basic working principle of window air conditioner		
	St	udy the construction features of window air conditioner		
	. 8th(2p)	Aim of the expt		
	ii)	Equipment details		

1	Ī	in a control of window six and the
		iii) Basic working principle of window air conditioner
5th		Study the construction features of window air conditioner
	9th(2p)	i) Aim of the expt
		ii) Equipment details
		iii) Basic working principle of window air conditioner and VIVA
		EXPT-4 Study the construction features of split air conditioner
	10th/2n)	i) Aim of the expt
	10th(2p)	ii) d Equipment details
		iii) Basic working principle of split air conditioner
	11th(2p)	Study the construction features of split air conditioner
		i) Aim of the expt
		ii) d Equipment details
CAL		iii) Basic working principle of split air conditioner
6th		Study the construction features of split air conditioner
		i) Aim of the expt
	12th(2p)	ii) d Equipment details
	,	iii) Basic working principle of split air conditioner, VIVA
		EXPT-5 Determine the capacity and cop of vapour compression Refrigerator
	1	test rig
	1	i) Aim of the expt
	13th(2p)	ii) Equipment details
	2500(25)	iii) Basic Theory
		iv) procedure
		v) Calculation
7th		
		Determine the capacity and cop of vapour compression Refrigerator test rig
		i) Aim of the expt
	14th(2p)	ii) Equipment details
	(_ p /	iii) Basic Theory
		iv) procedure
		v) Calculation
ŀ		v) Calculation
İ		Determine the capacity and cop of vapour compression Refrigerator test rig
		i) Aim of the expt
		ii) Equipment details
		iii) Basic Theory
		iv) procedure
8th		v) Calculation, VIVA
» H		·
	16th(2p) i i	EXPT-6 Determine the capacity and cop of water cooler
		i) Aim of the expt
		ii) Equipment details
_		iii) Basic Theory
		iv) procedure
		v) Calculation
	L	Determine the capacity and cop of water cooler
		i) Aim of the expt
7,	17+h/2n) [i	i) Equipment details
	_	i) Aim of the expt ii) Equipment details

1	1/111(4)	iii) Basic Theory
		iv) procedure
		v) Calculation
9th		Determine the capacity and cop of water cooler
		i) Aim of the expt
		ii) Equipment details
ŀ	18th(2p)	iii) Basic Theory
		iv) procedure
		v) Calculation, VIVA
		EXPT-7 Determine the capacity and cop of window air conditioner
		i) Aim of the expt
		ii) Equipment details
	19th(2p)	iii) Basic Theory
1		iv) procedure
		v) Calculation
10th		Determine the capacity and cop of window air conditioner
		i) Aim of the expt
		ii) Equipment détails
	20th(2p)	iii) Basic Theory
1		iv) procedure
1		v) Calculation
	1 para	Determine the capacity and cop of window air conditioner
		i) Aim of the expt
	21st(2p)	ii) Equipment details
		iii) Basic Theory
	1	iv) procedure
11th		v) Calculation, VIVA
	*	EXPT-8 Determine the capacity and cop of split air conditioner
		i) Aim of the expt
	22nd(2p)	ii) Equipment details
		iii) Basic Theory
	-	iv) procedure
		v) Calculation
		Determine the capacity and cop of split air conditioner
		i) Aim of the expt
	22-1/2-1	ii) Equipment details
	23rd(2p)	iii) Basic Theory
		iv) procedure
		v) Calculation
12th	24th(2p) ii ii	Determine the capacity and cop of split air conditioner
		i) Aim of the expt
.]		ii) Equipment details
1		iii) Basic Theory
		iv) procedure
		v) Calculation, VIVA
		EXPT-9 Determine the capacity and cop of vapour absorption Refrigerator
		test rig
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	1	the state of the same
	25:1/5	i) Aim of the expt
	25th(2p)	ii) Equipment details
	1	iii) Basic Theory
		iv) procedure
13th		v) Calculation
	26th(2p)	Determine the capacity and cop of vapour absorption Refrigerator test rig i) Aim of the expt ii) Equipment details iii) Basic Theory iv) procedure v) Calculation
		Determine the capacity and cop of vapour absorption Refrigerator test rig
		i) Aim of the expt
	27th(2p)	ii) Equipment details
		iii) Basic Theory
		iv) procedure
14th		v) Calculation, VIVA.
		EXPT-10 Complete charging of a domestic refrigerator and its leak test
	28th(2p)	i) Aim of the expt
		ii) Equipment details
		iii) Basic Theory
		iv) procedure .
		v)Charging and leak test calculation
	29th(2p)	Complete charging of a domestic refrigerator and its leak test
5		i) Aim of the expt
		ii) Equipment details
		iii) Basic Theory
- ,		iv) procedure
15th		v)Charging and leak test calculation, VIVA.
13.11	30th(2p)	i) Aim of the expt Tee plant today
		ii) Equipment details
		iii) Basic Theory
		iv) procedure
		v) Calculation, VIVA.

Signature of faculty: Cr. Sethi-Sr Lect. Mech.