

# LESSON PLAN

## DEPARTMENT OF MECHANICAL ENGINEERING, ITT, CHOUDWAR

**SUBJECT:** REFRIGERATION AND AIR CONDITIONING LAB.

**Periods:** 4 per week for a group    **No. of weeks:** 15

**SEMESTER:** 5th

**NAME OF FACULTY:** Manoranjan Panda, Instructor (Mech)

Class Day(2hrs./day)	Week	Theory / Practical Topics
1 <sup>st</sup>	1st	Study the construction features of Domestic Refrigerator
2 <sup>nd</sup>		Study the construction features of Domestic Refrigerator
1 <sup>st</sup>	2 <sup>nd</sup>	Study the construction features of Domestic Refrigerator
2 <sup>nd</sup>		Study the construction features of water cooler
1 <sup>st</sup>	3 <sup>rd</sup>	Study the construction features of water cooler
2 <sup>nd</sup>		Study the construction features of water cooler
1 <sup>st</sup>	4 <sup>th</sup>	Study the construction features of window air conditioner
2 <sup>nd</sup>		Study the construction features of window air conditioner
1 <sup>st</sup>	5 <sup>th</sup>	Study the construction features of window air conditioner
2 <sup>nd</sup>		Study the construction features of split air conditioner
1 <sup>st</sup>	6 <sup>th</sup>	Study the construction features of split air conditioner
2 <sup>nd</sup>		Study the construction features of split air conditioner
1 <sup>st</sup>	7 <sup>th</sup>	Determine the capacity and cop of vapour compression Refrigerator test rig
2 <sup>nd</sup>		Determine the capacity and cop of vapour compression Refrigerator test rig
1 <sup>st</sup>	8 <sup>th</sup>	Determine the capacity and cop of vapour compression Refrigerator test rig
2 <sup>nd</sup>		Determine the capacity and cop of water cooler
1 <sup>st</sup>	9 <sup>th</sup>	Determine the capacity and cop of water cooler
2 <sup>nd</sup>		Determine the capacity and cop of water cooler
1 <sup>st</sup>	10 <sup>th</sup>	Determine the capacity and cop of window air conditioner
2 <sup>nd</sup>		Determine the capacity and cop of window air conditioner
1 <sup>st</sup>	11 <sup>th</sup>	Determine the capacity and cop of window air conditioner
2 <sup>nd</sup>		.Determine the capacity and cop of split air conditioner
1 <sup>st</sup>	12 <sup>th</sup>	.Determine the capacity and cop of split air conditioner
2 <sup>nd</sup>		.Determine the capacity and cop of split air conditioner

1 <sup>st</sup>	13 <sup>th</sup>	Determine the capacity and cop of vapour absorption Refrigerator test rig.
2 <sup>nd</sup>		Determine the capacity and cop of vapour absorption Refrigerator test rig.
1 <sup>st</sup>	14 <sup>th</sup>	Determine the capacity and cop of vapour absorption Refrigerator test rig.
2 <sup>nd</sup>		Complete charging of a domestic refrigerator and its leak test.
1 <sup>st</sup>	15 <sup>th</sup>	Complete charging of a domestic refrigerator and its leak test.
2 <sup>nd</sup>		Complete charging of a domestic refrigerator and its leak test.



Sign. of Faculty