

Discipline: Mechanical engineering	Semester : 5 th Semester 2020- 21	Name of the Teaching faculty: C R Meher (Lect.)
Subject : REFRIGERATION AND AIRCONDITIONING Lab	No. of Days/Week Class Allotted: 60	Semester from date: 01/09 /2020 to date:19 / 03 /2021 No of weeks :18
Week	Class Day	Practical Topics
1 st	1 st	Introduction of RAC lab
	2 nd	Introduction of RAC lab
2 nd	1 st	Explain about different types of refrigeration system
	2 nd	Explain about different types of refrigeration system
3 rd	1 st	Explain about different types of air-conditioning system
	2 nd	Explain about different types of air-conditioning system
4 th	1 st	Explain the working of open & closed air system of air refrigeration system
	2 nd	Explain the working of open & closed air system of air refrigeration system
5 th	1 st	Explain the working of open & closed air system of air refrigeration system
	2 nd	Explain the working of open & closed air system of air refrigeration system
6 th	1 st	Determination of M.A.,V.R. and efficiency of wheel train
	2 nd	Determination of M.A.,V.R. and efficiency of wheel train
7 th	1 st	Determination of Bending stress in beam using strain gauge
	2 nd	Determination of Bending stress in beam using strain gauge
8 th	1 st	Study of Universal Testing Machine and determination of tensile stress and Young's module of M.S specification.
	2 nd	Study of Universal Testing Machine and determination of tensile stress and Young's module of M.S specification.
9 th	1 st	Explain Vapor Compression refrigeration system.
	2 nd	Explain Vapor Compression refrigeration system.
10 th	1 st	Explain Vapor Compression refrigeration system.
	2 nd	Explain Vapor Compression refrigeration system.
11 th	1 st	Explain Vapor Absorption refrigeration system.
	2 nd	Explain Vapor Absorption refrigeration system.
12 th	1 st	Explain Vapor Absorption refrigeration system.
	2 nd	Explain Vapor Absorption refrigeration system.

13 th	1 st	Compare different refrigerants properties.
	2 nd	Compare different refrigerants properties.
14 th	1 st	Compare different refrigerants properties.
	2 nd	Compare different refrigerants properties.
15 th	1 st	Describe equipment for air conditioning
	2 nd	Describe equipment for air conditioning
16 th	1 st	Describe equipment for air conditioning
	2 nd	Describe equipment for air conditioning
17 th	1 st	Explain the cooling load for the given requirement.
	2 nd	Explain the cooling load for the given requirement.
18 th	1 st	Explain the cooling load for the given requirement.
	2 nd	Explain the cooling load for the given requirement.