

Discipline: Mechanical Engineering	Semester : 4TH Semester	Name of the Teaching Faculty: ARUN KUMAR SAHU
Subject: MEL-2 Practical	No. of Days/week Class Allotted: 90	No of weeks: 18
week	Class Day	Practical Topics
1 st	1 st	INTRODUCTION
	2 nd	Study of 2-Stroke petrol engine model
2 nd	1 st	Study of 2-Stroke petrol engine model
	2 nd	Study of 2-Stroke petrol engine model
3 rd	1 st	Study of 2-Stroke petrol engine model
	2 nd	Study of 2-Stroke diesel engine model
4 th	1 st	Study of 2-Stroke diesel engine model
	2 nd	Study of 2-Stroke diesel engine model
5 th	1 st	Study of 2-Stroke diesel engine model
	2 nd	Study of 4-Stroke petrol engine model
6 th	1 st	Study of 4-Stroke petrol engine model
	2 nd	Study of 4-Stroke petrol engine model
7 th	1 st	Study of 4-Stroke diesel engine model
	2 nd	Study of 4-Stroke diesel engine model
8 th	1 st	Study of 4-Stroke diesel engine model
	2 nd	Determine the brake thermal efficiency of single cylinder petrol engine
9 th	1 st	Determine the brake thermal efficiency of single cylinder petrol engine
	2 nd	Determine the brake thermal efficiency of single cylinder diesel engine
10 th	1 st	Determine the brake thermal efficiency of single cylinder diesel engine
	2 nd	Determine the B.H.P of a multi cylinder engine by Morse test
11 th	1 st	Determine the I.H.P of a multi cylinder engine by Morse test
	2 nd	Determine the BSFC of a multi cylinder engine by Morse test
12 th	1 st	Determine the mechanical efficiency of an air Compressor
	2 nd	Determine the mechanical efficiency of an air Compressor
13 th	1 st	Study of pressure measuring devices manometer.
	2 nd	Study of pressure measuring devices
14 th	1 st	Bourdon tube pressure gauge
	2 nd	Bourdon tube pressure gauge
15 th	1 st	Verification of Bernoulli's theorem
	2 nd	Determination of Cd from venturimeter
16 th	1 st	Determination of Cc, Cv, Cd from orifice meter

	2 nd	Determine of Darcy's coefficient from flow through pipe
17 th	1 st	Revision 1
	2 nd	Revision 2
18 th	1 st	Revision 3
	2 nd	Revision 4