

Discipline: Electrical engineering	Semester : 3 <sup>rd</sup> Semester	Name of the Teaching faculty: C R Meher (Lect.)
Subject : Mechanical Engg Lab	No. of Days/Week Class Allotted: 60	No of weeks :18
Week	Class Day	Practical Topics
1 <sup>st</sup>	1 <sup>st</sup>	Introduction of MEL lab
	2 <sup>nd</sup>	Introduction of MEL lab
2 <sup>nd</sup>	1 <sup>st</sup>	APPLIED MECHANICS & MATERIAL TESTING
	2 <sup>nd</sup>	APPLIED MECHANICS & MATERIAL TESTING
3 <sup>rd</sup>	1 <sup>st</sup>	Determination of M.A.,V.R. and efficiency of Screw Jack
	2 <sup>nd</sup>	Determination of M.A.,V.R. and efficiency of Screw Jack
4 <sup>th</sup>	1 <sup>st</sup>	Determination of friction co-efficient of bearing
	2 <sup>nd</sup>	Determination of friction co-efficient of bearing
5 <sup>th</sup>	1 <sup>st</sup>	Determination of Young's modulus by Searle's Apparatus
	2 <sup>nd</sup>	Determination of Young's modulus by Searle's Apparatus
6 <sup>th</sup>	1 <sup>st</sup>	Determination of M.A.,V.R. and efficiency of wheel train
	2 <sup>nd</sup>	Determination of M.A.,V.R. and efficiency of wheel train
7 <sup>th</sup>	1 <sup>st</sup>	Determination of Bending stress in beam using strain gauge
	2 <sup>nd</sup>	Determination of Bending stress in beam using strain gauge
8 <sup>th</sup>	1 <sup>st</sup>	Study of Universal Testing Machine and determination of tensile stress and Young's module of M.S specification.
	2 <sup>nd</sup>	Study of Universal Testing Machine and determination of tensile stress and Young's module of M.S specification.
9 <sup>th</sup>	1 <sup>st</sup>	HYDRAULICS & HYDRAULIC MACHINE LAB
	2 <sup>nd</sup>	HYDRAULICS & HYDRAULIC MACHINE LAB
10 <sup>th</sup>	1 <sup>st</sup>	Study of pressure measuring devices such as (a) Piezo-meter (b) Simple manometer
	2 <sup>nd</sup>	Study of pressure measuring devices such as (a) Piezo-meter (b) Simple manometer
11 <sup>th</sup>	1 <sup>st</sup>	Study of venturi-meter
	2 <sup>nd</sup>	Study of venturi-meter
12 <sup>th</sup>	1 <sup>st</sup>	Verification of Bernouli's Theorem
	2 <sup>nd</sup>	Verification of Bernouli's Theorem
13 <sup>th</sup>	1 <sup>st</sup>	Model study of Centrifugal pumps, Francis, Turbine, Kaplan turbine and Pelton wheel.

	2 <sup>nd</sup>	Model study of Centrifugal pumps, Francis, Turbine, Kaplan turbine and Pelton wheel.
14 <sup>th</sup>	1 <sup>st</sup>	Study of Cochran Boiler
	2 <sup>nd</sup>	Study of Cochran Boiler
15 <sup>th</sup>	1 <sup>st</sup>	Study and demonstration of Stream Engine
	2 <sup>nd</sup>	Study and demonstration of Stream Engine
16 <sup>th</sup>	1 <sup>st</sup>	Study and demonstration of Diesel Engine
	2 <sup>nd</sup>	Study and demonstration of Diesel Engine
17 <sup>th</sup>	1 <sup>st</sup>	Study and demonstration of Petrol Engine
	2 <sup>nd</sup>	Study and demonstration of Petrol Engine
18 <sup>th</sup>	1 <sup>st</sup>	Revision exp 1,2,3,4
	2 <sup>nd</sup>	Revision exp 5,6,7,8