

Discipline: Mechanical Engineering	Semester : 4thSemester	Name of the Teaching Faculty: Miss.Shradha Suman Adabar
Subject: TOM & Measurem- ent Lab	No. of Days/week Class Allotted: 60	No of weeks: 18
week	Class Day	Practical Topics
1 st	1 st	INTRODUCTION
	2 nd	Determination of centrifugal force of a governor (Hart Nell)
2 nd	1 st	Determination of centrifugal force of a governor (Hart Nell)
	2 nd	Determination of centrifugal force of a governor (Watt/Porter).
3 rd	1 st	Determination of centrifugal force of a governor (Watt/Porter).
	2 nd	Study of static balancing apparatus.
4 th	1 st	Demonstration of static balancing apparatus.
	2 nd	Study of journal bearing apparatus
5 th	1 st	Demonstration of journal bearing apparatus
	2 nd	Study of different types of Cam
6 th	1 st	Study of different types of followers
	2 nd	Study of epicyclic gear train.
7 th	1 st	Demonstration of epicyclic gear train.
	2 nd	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Calliper.
8 th	1 st	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Calliper.
	2 nd	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Calliper.
9 th	1 st	Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer
	2 nd	Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer
10 th	1 st	Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer
	2 nd	Determine the heights of gauge blocks or parallel bars to accuracy of

		0.02mm using Vernier height gauge.
11 th	1 st	Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.
	2 nd	Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.
12 th	1 st	Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.
	2 nd	Determine the thickness of ground MS plates using slip gauges.
13 th	1 st	Determine the thickness of ground MS plates using slip gauges.
	2 nd	Determine the thickness of ground MS plates using slip gauges.
14 th	1 st	Determination of angel of Machined surfaces of components using slip bar with slip gauges.
	2 nd	Determination of angel of Machined surfaces of components using slip bar with slip gauges.
15 th	1 st	Determination of angel of Machined surfaces of components using slip bar with slip gauges.
	2 nd	Determination of angel of Machined surfaces of components using slip bar with slip gauges.
16 th	1 st	Revision 1
	2 nd	Revision 2
17 th	1 st	Revision 3
	2 nd	Revision 4
18 th	1 st	Revision 5
	2 nd	Revision 6