

DHABALESWAR INSTITUTE OF POLYTECHNIC

LESSON PLAN

DEPARTMENT OF MECHANICAL ENGINEERING

SUBJECT: Pr.1 Theory of Machine and Measurement lab Periods:6 per week SEMESTER:4th

NAME OF FACULTY: RAKESH KUDEI

No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1 st	1 st	Determination of centrifugal force of a governor (Hart Nell / Watt/Porter).
	2 nd	Determination of centrifugal force of a governor (Hart Nell / Watt/Porter).
2 nd	1 st	Determination of centrifugal force of a governor (Hart Nell / Watt/Porter).
	2 nd	Study & demonstration of static balancing apparatus.
3 rd	1 st	Study & demonstration of static balancing apparatus.
	2 nd	Study & demonstration of static balancing apparatus.
4 th	1 st	Study & demonstration of journal bearing apparatus.
	2 nd	Study & demonstration of journal bearing apparatus.
5 th	1 st	Study & demonstration of journal bearing apparatus.
	2 nd	Study of different types of Cam and followers.
6 th	1 st	Study of different types of Cam and followers.
	2 nd	Study of different types of Cam and followers.
7 th	1 st	Study & demonstration of epicyclic gear train.
	2 nd	Study & demonstration of epicyclic gear train.
8 th	1 st	Study & demonstration of epicyclic gear train.
	2 nd	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Caliper.
9 th	1 st	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Caliper.
	2 nd	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Caliper.
10 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.
11 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.
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 heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.
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	Determine the thickness of ground MS plates using slip gauges.
	2 nd	Determination of angel of Machined surfaces of components using sin bar with slip gauges
15 th	1 st	Determination of angel of Machined surfaces of components using sin bar with slip gauges
	2 nd	Determination of angel of Machined surfaces of components using sin bar with slip gauges