

Discipline: Mechanical Engineering	Semester : 5th Semester-2020- 21	Name of the Teaching Faculty: Miss.Shradha Suman Adabar
Subject: HM&IFP 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
	2 nd	Performance test on impulse turbine
2 nd	1 st	To find out the efficiency of impulse turbine
	2 nd	Performance test on Kaplan turbine
3 rd	1 st	To find out the efficiency of kaplan turbine
	2 nd	Performance test on Francis turbine
4 th	1 st	To find out the efficiency of Francis turbine
	2 nd	Performance test on centrifugal pump
5 th	1 st	To find out the characteristic curves
	2 nd	Direct operation of single acting pneumatic cylinder
6 th	1 st	Direct operation of double acting pneumatic cylinder
	2 nd	Operating double acting pneumatic cylinder with quick exhaust valve
7 th	1 st	Operating double acting pneumatic cylinder with quick exhaust valve
	2 nd	Operating double acting pneumatic cylinder with quick exhaust valve
8 th	1 st	Speed control double acting pneumatic cylinder using metering in and metering out circuits
	2 nd	Speed control double acting pneumatic cylinder using metering in and metering out circuits
9 th	1 st	Speed control double acting pneumatic cylinder using metering in and metering out circuits
	2 nd	Speed control double acting pneumatic cylinder using metering in and metering out circuits
10 th	1 st	Direct operation of single hydraulic cylinder
	2 nd	Direct operation of single hydraulic cylinder
11 th	1 st	Direct operation of single acting hydraulic cylinder
	2 nd	Direct operation of single acting hydraulic cylinder
12 th	1 st	Direct operation of double acting hydraulic cylinder
	2 nd	Direct operation of double acting hydraulic cylinder
13 th	1 st	Direct operation of double acting hydraulic cylinder
	2 nd	Direct operation of double acting hydraulic cylinder
14 th	1 st	Direct operation of hydraulic motor
	2 nd	Direct operation of hydraulic motor

15 th	1 st	Speed control double acting hydraulic cylinder using metering in & metering out circuits
	2 nd	Speed control double acting hydraulic cylinder using metering in & metering out circuits
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