

(2019-2020) Academic Year

Physics Department

Practical Plan

First Semester

No.	Description	Period	Remarks
1	<u>VERNIER CALIPER</u> Aim : To study the vernier caliper and to measure the dimensions and to determine the volume of the rectangular block and hollow cylinder	1	1 apparatus set per 5 students
2.	<u>MICROMETER SCREW GAUGE</u> Aim : To study a micrometer screw gauge and to measure the thickness of a glass slide and to measure the volume of the steel sphere and the cross-sectional area of steel wire	1	1 apparatus set per 5 students
3.	<u>SIMPLE PENDULUM</u> Aim : To determine the acceleration due to gravity	1	1 apparatus set per 5 students
4.	<u>HOOKE'S LAW</u> Aim : To study the elastic nature of the spring and to verify Hooke's Law	1	1 apparatus set per 10 students
5.	<u>STATIC FRICTION(Horizontal Plane)</u> Aim : To determine the coefficient of static friction between two given surfaces (wood on wood)	1	1 apparatus set per 5 students
6.	<u>STATIC FRICTION (Incline Plane)</u> Aim : To determine the coefficient of static friction between two given surfaces (wood on wood)	1	1 apparatus set per 5 students
7.	<u>SPECIFIC HEAT CAPACITY</u> Aim : To study the relationship between the amount of work spent to bring about the liberation of heat and to calculate the specific heat capacity	1	1 apparatus set per 5 students
8.	<u>SONOMETER</u> Aim : To verify the law of length of the string	1	1 apparatus set per 5 students
	Replacement and Revision		
	Lab Exam		