(2019-2020) Academic Year

Physics Department

Practical Plan (Phys 102) **Second Semester**

No.	Description	Period	Remarks
1	UNDERSTANDING ON RESISTOR'S COLOR CODES AND VERIFICATION OF OHM'S LAW Aim : To understand the resistors' color codes on the value of resistance and to study the resistance, current and voltage based on Ohm's Law	1	1 apparatus set per 10 students
2.	RESISTORS COMBINATIONS IN SERIES Aim : To study the characteristics of resistor combination in series	1	1 apparatus set per 10 students
3.	RESISTORS COMBINATIONS IN PARALLEL Aim : To study the characteristics of resistor combination in parallel	1	1 apparatus set per 10 students
4.	KIRCHHOFF'S LAW Aim : To determine the relationship between currents and voltage drops in each loop	1	1 apparatus set per 10 students
5.	SPHEROMETER Aim : To study the spherometer and to measure the radius of curvature of spherical surfaces	1	1 apparatus set per 5 students
6.	PRISM AND GLASS SLAB Aim : To determine the refractive index of the materials	1	1 apparatus set per 5 students
7.	REFRATION THROUGH A PRISM Aim : To study the refraction of light through a prism	1	1 apparatus set per 5 students
8.	FREE FALL ACCELERATION Aim: To determine the magnitude of free fall acceleration	1	
9.	ROTATIONAL MOTION Aim: To study the relationship between linear and angular velocity by varying peg position	1	
	Replacement and Revision		
	Practical Exam		