LIST OF EXPERIMENTS TO BE CONDUCTED

Academic Year: 2018-19, Semester: 1st

Course Name: Physics-1 LAB (BSPH 191) Program: B.Tech in CSE

Topics	Sl. No.	Name of Experiment	CO	PO	PSO
Optics	1.	Determination of Dispersive power of the material of given prism.	CO6	PO1,PO2,PO8,PO9 PO10	-
	2.	Determination of wavelength of light by Newton's ring method.	CO1	PO1,PO2,PO8,PO9 PO10	-
	3.	Determination of wavelength of light by Laser diffraction method	CO1	PO1,PO2,PO8,PO9 PO10	-
	4.	Determination of wavelength of light by Fresnel's bi-prism.	CO1	PO1,PO2,PO8,PO9 PO10	-
Miscellaneous	5.	Determination of modulus of rigidity by dynamic method.	CO2	PO1,PO2,PO8,PO9 PO10	-
Electricity	7.	Determination of unknown resistance using Carey Foster's bridge	CO3	PO1,PO2,PO8,PO9 PO10	-

Magnetism					
Quantum Physics	8.	To study current voltage characteristics, load response, areal characteristic and spectral response of a photovoltaic solar cell.	CO4	PO1,PO2,PO8,PO9 PO10	-
Additional	9.	Determination of Thermal Conductivity of a bad conductor by Lee and Chorlton's method.	CO5	PO1,PO2,PO8,PO9 PO10	-
	10.	Determination of Thermal Conductivity of a good conductor by Searle's method.	CO5	PO1,PO2,PO8,PO9 PO10	-