



First semester (Physics A)			
Aim	Apparatus		
Determination of acceleration of	1-simple pendulum		
gravity by means of a simple	2- Meter scale		
1	3-Stop watch		
	1-Compound pendulum		
	2- Meter scale		
	3-Stop watch		
Verification of Hook's law	1-Spiral spring with a pan		
	weight		
	2-Meter scale		
	3- Masses		
	1-Set of capillary tubes		
co-efficient	2-Beakers contain liquid		
	3-Meter scale		
	1-Long tube filled with		
of viscosity by the falling spheres	viscous oil		
	2-Meter Scale		
1. Marifiantian af Ohmula lana	3-Stop watch		
	1-Power Supply from 0 to 6		
	volts d.c., 3A.		
resistance	2-Connecting wires 3-Ameter		
	3-Ameter 4-Voltmeter		
Determination of unknown	1-Wheastone Bridge		
	2-Power supply		
-	3-Set of standard		
Diuge	resistances		
	4-Sensitive center- reading		
	galvanometer		
	5- Connecting wires		
	6- Meter scale		
	Aim Determination of acceleration of		

Preparatory Year Physics Lab





Preparatory Year Physics Lab

Second semester(Physics B)			
Experiment	Aim	Apparatus	
1-Specific heat	Determination of the specific	1-Calorimeter	
	Heat of a solid and liquid by	2- Thermometer	
	method of mixture	3-Electric heater	
		4-Solid body in the form of small	
		ball.	
2-Thermal conductivity	Determination of the co-	1-Two cylindrical brass rooms A and	
2-Thermai conductivity	efficient of thermal	B	
	conductivity (K) of a bad	2- Two thermometers	
	conductor by using Lee's disc	3-Stop watch	
	method.	4- Disc from bad conductor C	
		5-Heater	
		6- Beaker	
		7-Boiler	
		8-Stand	
3- Inverse square law	Verification of Inverse	1- Magnetometer	
	square law using a	2-Meter scale	
	magnetometer	3- Magnetic bar	
4- Lens	Determination of the focal	1-Convex & concave lens	
	length of convex and	2- Screen	
	concave lenses	3-Meter scale	
		4- Optical bench	
		5- Light source	
5-Reflection and refraction of	Determination of critical	1-Glass prism	
light	angle of glass prism	2- Optical bench	
		3- Light source	
		4- Angular translator placed	
		to the rotating table	





(First Year Elec. - Mech. - Survey - Civil) Physics Lab

(Physics 2)			
Experiment	Aim	Apparatus	
1-Interference of light	Determination of the wave length of a given monochromatic light source	1-Laser light source2- Optical bench3-Meter scale4- Double slit device	
2-Polarization of light	Determination of the wave length of a given monochromatic light source	1-Laser light source2- Optical bench3-Meter scale4- Diffraction grating	
3- Stefan's law	Verification of Stefan's law for radiation	1-Power Supply from 0 to 6 volts d.c., 3A.2-Connecting wires3-Ameter4-Voltmeter	
4- Photo electric effect	Drawing I-V characteristic curve	 1-Power Supply 12volts d.c. 2-Connecting wires 3-Ameter 4-Voltmeter 5- Light lamb 6- Photo electric cell 	

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