

SREE NARAYANA COLLEGE, KOLLAM

DEPARTMENT OF PHYSICS

PD GRANT 2021-22

No:	Item	Specification	Quantity
1	Benzene	LR Grade	1L
2	CCl ₄	LR Grade	1L
3	Toluene	LR Grade	1L
4	Mercury	Double distilled . Lead free (No Blackish layer) . Using for Liquid Lens Experiment (UG Level)	250 gm
5	Metravi TRMS Digital Multimeter	DC Voltage: 0 - 400mV/4V/40V/400V/1000V, AC Voltage (T-RMS): 0 - 400mV/4V/ 40V/ 400V/ 750V Resistance: 0 - 400Ω/4kΩ/ 40kΩ/400kΩ/4MΩ/40MΩ	2
6	Travelling Microscope (INCO type)	Three motion (X,Y,Z) stainless steel	2
		Horizontal fine adjustment 35mm	
		Vertical fine adjustment 25mm	
		10X Ramsden eyepiece	
		Focusing distance 3f	
		Warranty-Minimum 5 Years	
7	Fly wheel Full Setup (Wall Mount)	Hard Steel new Tungsten bearing (High Quality) . Minimum Diameter 20cm , width 5cm .	2
8	Hollow Prism	suitable for Lab Use and have only one opening	3
9	Spectrometer Prism 38x38 crown	Optically worked for spectrometer, equilateral prism with two faces polished	3
10	Diffraction Grating Slide-Linear		3
11	Scale and telescope(INCO type)	18'x1' Dia Iron base	2
		Ramsden Eye piece X10	
		Objective 1x1/8" dia, 7" f cross wires	
		Focusing distance 1m to Infinity	
		Vertical and horizontal tilting arrangement made with spring loaded screws	
		Scale holder and scale	
		Warranty-Minimum 5 Years	
12	Carey Foster Coil	Copper coil wounded over bobbin Covered with glass tube with two connecting terminals of bakelite and supporting wooden block	2

13	Voltmeter (0-1V)	Dollar/Inco/Instech. Class B (A Grade) Curved pole pieces, Steel Springs , Iron magnets fitted with spring loaded plastic pieces. Scale length minimum 57±2mm. Range 0-1V	5
14	Ammeter (0-1A)	Dollar/Inco/Instech. Class B (A Grade) Curved pole pieces, Steel Springs , Iron magnets fitted with spring loaded plastic pieces. Scale length minimum 57±2mm. Range 0-1A	5
15	Milli Ammeter (0-20mA)	Dollar/Inco/Instech. Class B (A Grade) Curved pole pieces, Steel Springs , Iron magnets fitted with spring loaded plastic pieces. Scale length minimum 57±2mm. Range 0-20mA	5
16	Galvanometer	Dollar/Inco/Instech. Class B (A Grade) Curved pole pieces, Steel Springs , Iron magnets fitted with spring loaded plastic pieces. Scale length minimum 57±2mm.	5
17	Wooden Meter Scale	Original Wooden Scale. Both side marked . All marked should be PUNCHED MARKING	10
18	Head Phone for Anderson Apparatus	Highly sensitive headphone with leads (minimum 1.5m)	2
19	Compass Box	Aluminium pointer Should be along 0-0.	3
20	Circular coil apparatus	Made with teakewood 75cm long Winding -laminated copper wire Compas bax, pair of ALNICO magnet 5cm Wodden stands for magnet	2
21	Connection Wire (500gm)	DCC Copper Connection Roll - 500gm	2
22	Resistance Box (1 to 10000W)	Double wounded Manganil coil , Non-inductive winding , ¾ inch Brass Block ,each value marked on the Block , Heavy plug	2
23	Regulated Battery Eliminator	Regulated Battery Eliminator cum +/- 15V dual supply : 1.8V For Daniel Cell Experiments, 1.46V for Leclanche 6V,7V,8V,9V,12V for C.E Amplier & Other Experiments. combination with -15V Dual Supply +15V in for Op-Amp Experiments. Short circuit protection & Indication for all Outputs. Short Circuit/Overload Indication with Beep Sound for 2A Output.	5
24	Potentiometer	Dsi 43 Inches Ten Wire Teak wood Potentiometer	4

25	wire for Torsion Pendulum experiment	Steel or Brass Wire	1 Roll
26	Rheostat	40 ohm, 1.5 A	3