

SREE NARAYANA COLLEGE, KOLLAM

DEPARTMENT OF PHYSICS

PD GRANT 2020-21

No:	Items to be purchased	Specification	Quantity		
1	Mercury	Double distilled . Lead free (No Blackish layer). Using for Liquid Lens Experiment (UG Level)	250 gm		
2	Castor Oil	Suitable for Lab Use	2 litre		
3	Glycerine	Suitable for Lab Use	500 ml		
4	Std. Resistance	1ohm, enclosed in bakelite container with two terminals	10		
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 Capacitance: 0 - 40nF/400nF/4uF/40uF/400uF/4mF/40mF	2		
6	IC Trainer Kit		5		
7	Spectrometer	Material SS SCALE AND VERNIER CALIBRATED ACCURACY --+/-0.001% or better Least count -1 minute objective- Dia 1x1/2 “ ,1” , 7’f,x10Ramsden Eye piece- Size 7”DIA least count-1minute Prism holder grating holder, screws, stands etc. Warranty-Minimum 5 Years	2		
8	Travelling Microscope (INCO type)	Three motion (X,Y,Z) stainless steel Horizontal fine adjustment 35mm Vertical fine adjustment 25mm 10X Ramsden eyepiece Focusing distance 3’f Warranty-Minimum 5 Years	2		
9	Fly wheel Full Setup (Wall Mount)	Hard Steel new Tungsten bearing (High Quality) . Minimum Diameter 20cm , width 5cm .	2		
11	Hollow Prism	suitable for Lab Use and comes in 50 × 50 × 50 mm and have only one opening	5		

Small Angled

12	Prism	Suitable for Lab Use	5
13	Spectrometer Prism 38x38 crown	Optically worked for spectrometer, equilateral prism with two faces polished	5
14	Diffraction Grating Slide-Linear	Holographic Paton grating with 600 lines/mm	5
15	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	
16	Dual power supply	Output: 0-32V, 2A continuously variable, Complete protection against Over load, Short circuit and reverse voltage etc., Powder coated cabinet with superior quality components, 5 Year warranty	2
17	Regulated power supply (0-15)	DC Regulated Power Supplu Dual Variable (+15 to -15) Copper Coil , IC Stabilized, 2A	2
18	Oil Bath Heater	Electric	4
19	Fermi Energy Copper Coil	Suitable for Lab Use	2
20	Heater(induction type)	Prestige	2

TOTAL

