

KRISHNA CHANDRA COLLEGE

HETAMPUR, BIRBHUM

EQUIPMENT PURCHASED UNDER DBT NON-RECURRING GRANT

DEPARTMENT OF PHYSICS

S. No.	Name of Equipment	Unit	Total Cost (Rs)	Date of purchase of equipment	Remarks (if any)
1.	Set up to verify the Superposition, and Maximum power transfer theorems [ASICO]	1	2850	22.11.2021	Installed
2.	Set up to study response curve of a Series LCR circuit	1	1950	22.11.2021	Installed
3.	Set up to study the response curve of a parallel LCR circuit	1	1950	22.11.2021	Installed
4.	Set up to investigate the use of an op-amp as an Integrator / Differentiator.	1	1950	22.11.2021	Installed
5.	Set up to determine the refractive Index of glass using a Gaussian eyepiece	1	12500	22.11.2021	Installed
6.	Set up to verify the law of Malus for plane polarized light	1	10250	22.11.2021	Installed
7.	Study of V-I and power curves of solar cells and find maximum power point and efficiency.	1	2850	22.11.2021	Installed
8.	Ballistic Galvanometer	2	8000	22.11.2021	Installed
9.	Set up to study Photo-electric effect: photo current versus intensity	1	9770	17.11.2021	Installed
10.	Set up to study the characteristics of a Bipolar Junction transistor in CE configuration	2	6490	17.11.2021	Installed
11.	Dead Beat Galvanometer	3	11682	17.11.2021	Installed
12.	Digital Weighing Machine	1	8968	17.11.2021	Installed
13.	All in one Desktop Computer Model:24-dp0816in	7	392000	30.11.2021	Installed
14.	Scanner cum Laser Printer Laser	3	55500	30.11.2021	Installed

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	Jet Pro MFP M126 nw				
15.	Spectrometer	1	9200	23.12.2021	Installed
16.	To study the I-V characteristics of Zener Diode and its use as voltage regulator.	2	4950	23.12.2021	Installed
17.	To determine Plank's constant using LEDs of at least 4 different colour	2	6490	23.12.2021	Installed
18.	Set up to study Half Adder, Full Adder and four bit Binary Adder	1	2600	23.12.2021	Installed
19.	Set up to determine the absorption lines in the rotational spectrum of Iodine vapour.	1	17181	04.01.2022	Installed
20.	Set up to study of V-I & power curves of solar cells and find maximum power point and efficiency	1	2600	04.01.2022	Installed
21.	Cathode Ray Oscilloscope (30 MHz Dual Trace)	1	34810	04.01.2022	Installed
22.	Travelling Microscope	2	11900	04.01.2022	Installed
23.	Set up to determine the band gap by measuring the resistance of a thermistor at different temperature	1	2856	04.01.2022	Installed
24.	To study the Motion of Spring and calculate (a) Spring constant, (b) g and (c) Modulus of rigidity	1	980	04.01.2022	Installed
25.	Regulated DC power supply Model: LQ6324T	1	27954	04.01.2022	Installed
26.	Set up to determine the value of g using Bar pendulum	1	5805	05.01.2022	Installed
27.	Set up to determine Stefan's constant using thermocouple.	1	21995	05.01.2022	Installed
28.	Set up to measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temp to 150 C) and to determine its band gap	1	21818	05.01.2022	Installed
29.	Set up to analyze elliptically polarized Light by using a Babinet's compensator	1	16048	05.01.2022	Installed

S. No.	Name of Equipment	Unit	Total Cost (Rs)	Date of purchase of equipment	Remarks (if any)
30.	Set up to determine the wavelength and velocity of ultrasonic waves in a liquid (Kerosene oil, Xylene etc) by studying the diffraction through ultrasonic grating	1	25771	05.01.2022	Installed
31.	Set up to measure the Dielectric Constant of a dielectric Materials with variation of frequency.	1	29774	30.12.2021	Installed
32.	AC Millivoltmeter	2	23780	30.12.2021	Installed
33.	Set up to determine the excitation potential of mercury/Argon by Franck-Hertz experiment	1	43070	15.02.2022	Installed
34.	Regulated DC power supply	8	9200	15.02.2022	Installed
35.	Set up to determine the Hall coefficient of a semiconductor sample.	1	48970	27.11.2021	Installed
36.	Equilateral glass Prism for spectrometer 32X32 mm	5	2065	27.11.2021	Installed
37.	Set up to determine the excitation potential of mercury/Argon by Franck-Hertz experiment	1	47672	24.02.2022	Installed
38.	Servo Stabiliser 5KVA Model: 6344	1	33701	24.02.2022	Installed
39.	Set up to determine g and velocity for a freely falling body using Digital Timing Technique.	1	3430	24.02.2022	Installed
40.	Set up to compare capacitances using De'Sauty's bridge	1	4019	24.02.2022	Installed
41.	Set up to study the complete I-V characteristics of a Tunnel Diode	1	8593	24.02.2022	Installed
42.	To determine self-inductance of a coil by Anderson's bridge	1	4296	24.02.2022	Installed
43.	To determine the elastic Constants of a wire by Searle's method.	1	1732	24.02.2022	Installed
Total			999970/-		