KRISHNA CHANDRA COLLEGE

HETAMPUR, BIRBHUM

EQUIPMENT PURCHASED UNDER DBT NON-RECURRING GRANT

DEPARTMENT OF PHYSICS

Setuptoverifythe Maximum power1285022.11.2021Installed1.Set up to study response curve of a Series LCR circuit1195022.11.2021Installed3.Set up to study the response curve of a parallel LCR circuit1195022.11.2021Installed4.Set up to investigate the use of an op-amp as an Integrator / Differentiator.1195022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian cycpicce11025022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed9.Set up to study Photo-electric effect: photo current versus intensity1285022.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	S. No.	Name of Equipment	Unit	Total Cost (Rs)	Date of purchase of equipment	Remarks (if any)
1.Superposition, and Maximum power transfer theorems1285022.11.2021Installed2.Set up to study response curve of a Series LCR circuit1195022.11.2021Installed3.Set up to study the response curve of a parallel LCR circuit1195022.11.2021Installed4.Set up to investigate the use of an op-amp as an Integrator / Differentiator.1195022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian eyepiece11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed9.effect: photo current versus intensity1285022.11.2021Installed10.Set up to study Photo-electric effect: photo current versus intensity1977017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer 		Set up to verify the		1		
Decisionpower (ASICO)transfer theorems1200022.11.2021Installed2.Set up to study response curve of a Series LCR circuit1195022.11.2021Installed3.Set up to study the response curve of a parallel LCR circuit1195022.11.2021Installed4.an op-amp as an Integrator / Differentiator.1195022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian cycpicce11025022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed9.Set up to study Photo-electric effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	1.	Superposition, and Maximum	1	2850	22 11 2021	Installed
[ASICO]Image: Constraint of the second s		power transfer theorems	1	2850	22.11.2021	mstaneu
2.Set up to study response curve of a Series LCR circuit1195022.11.2021Installed3.Set up to study the response curve of a parallel LCR circuit1195022.11.2021Installed4.Set up to investigate the use of an op-amp as an Integrator / Differentiator.1195022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian eyepiece11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed9.Set up to study Photo-electric ceffect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		[ASICO]			0	
a Series LCR circuit1195022.11.2021Installed3.Set up to study the response curve of a parallel LCR circuit1195022.11.2021Installed4.Set up to investigate the use of an op-amp as an Integrator / Differentiator.1195022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian eyepiece11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed9.Set up to study Photo-electric effect: photo current versus intensity977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	2.	Set up to study response curve of	1	1950	22.11.2021	Installed
3.Set up to study the response curve of a parallel LCR circuit1195022.11.2021Installed4.Set up to investigate the use of an op-amp as an Integrator / Differentiator.1195022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian cycpiece11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.Set up to study Photo-electric effect: photo current versus intensity1977017.11.2021Installed10.Set up to study Photo-electric configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		a Series LCR circuit		100		
Curve of a parallel LCR circuitImage: Curve of a parallel LCR circuit4.Set up to investigate the use of an op-amp as an Integrator / Differentiator.1195022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian eyepicce11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.effect: photo current versus intensity1977017.11.2021Installed10.Set up to study Photo-electric configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	3.	Set up to study the response	1	1950	22.11.2021	Installed
Set up to investigate the use of an op-amp as an Integrator / Differentiator.1195022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian eyepiece11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		curve of a parallel LCR circuit				-
4.an op-amp as an integrator / Differentiator.1193022.11.2021Installed5.Set up to determine the refractive Index of glass using a Gaussian eyepiece11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.effect: photo current versus intensity1977017.11.2021Installed10.Set up to study Photo-electric enfiguration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	1	Set up to investigate the use of	1	1050	22.11.2021	Installed
Differentiation.Set up to determine the refractive Index of glass using a Gaussian eyepiece11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	4.	Differentiator	1	1950	22.11.2021	Installed
5.Set up to determine the refractive Index of glass using a Gaussian eyepiece11250022.11.2021Installed6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		Set up to determine the				
Construction </td <td>5</td> <td>refractive Index of glass using a</td> <td>1</td> <td>12500</td> <td>22 11 2021</td> <td>Installed</td>	5	refractive Index of glass using a	1	12500	22 11 2021	Installed
6.Set up to verify the law of Malus for plane polarized light11025022.11.2021Installed7.Study of V-I and power curves of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.Effect: photo current versus intensity1977017.11.2021Installed10.Set up to study Photo-electric effect: photo current versus intensity2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	0.	Gaussian evepiece	-	12000	22.11.2021	motunea
6.for plane polarized light11025022.11.2021Installed7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.Effect: photo current versus intensity1977017.11.2021Installed10.Set up to study Photo-electric effect: photo current versus intensity1977017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	6	Set up to verify the law of Malus			00.11.0001	x . 11 1
7.Study of V-I and power curves of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.Set up to study Photo-electric effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	6.	for plane polarized light	I	10250	22.11.2021	Installed
7.of solar cells and find maximum power point and efficiency.1285022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.Effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed		Study of V-I and power curves	2	9		
power point and efficiency.2800022.11.2021Installed8.Ballistic Galvanometer2800022.11.2021Installed9.effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	7.	of solar cells and find maximum	1	2850	22.11.2021	Installed
8.Ballistic Galvanometer2800022.11.2021Installed9.Set up to study Photo-electric effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		power point and efficiency.			05	
9.Set up to study Photo-electric effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	8.	Ballistic Galvanometer	2	8000	22.11.2021	Installed
9.effect: photo current versus intensity1977017.11.2021Installed10.Set up to study the characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		Set up to study Photo-electric	200	5		
intensitySetuptostudythe characteristics2649017.11.2021Installed10.Setuptostudythe characteristics2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	9.	effect: photo current versus	1	9770	17.11.2021	Installed
Setuptostudythe characteristics2649017.11.2021Installed10.JunctiontransistorinCE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in oneDesktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		intensity				
10.Characteristics of a Bipolar Junction transistor in CE configuration2649017.11.2021Installed11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	10.	Set up to study the				
Junction configurationtransistor in CE configurationCE configurationImage: CE configuration11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		characteristics of a Bipolar	2	6490	17.11.2021	Installed
11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed		Junction transistor in CE				
11.Dead Beat Galvanometer31168217.11.2021Installed12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	11		2	11(02	17.11.0001	T (11 1
12.Digital Weighing Machine1896817.11.2021Installed13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	11.	Dead Beat Galvanometer	3	11682	1/.11.2021	Installed
13.All in one Desktop Computer Model:24-dp0816in739200030.11.2021Installed14.Scanner cum Laser Printer Laser35550030.11.2021Installed	12.	Digital Weighing Machine	1	8968	17.11.2021	Installed
14.Scanner cum Laser Printer Laser35550030.11.2021Installed	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

S. No.	Name of Equipment	Unit	Total Cost (Rs)	Date of purchase of equipment	Remarks (if any)
	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	21	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	1190 <mark>0</mark>	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	212	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.		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/-		