

KRISHNA CHANDRA COLLEGE



Estd. 1897

(Govt. Sponsored)

ACCREDITED BY NAAC WITH 'GRADE B'

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CORRIGENDUM

List of Equipment with Specification

DEPARTMENT OF CHEMISTRY

Sl. No.	ITEMS	SPECIFICATION	MAKE	
			As stated Initially	Additional inclusion
2	Digital Polari-meter	Digital Automatic Polarimeter Domestic advanced digital circuit and microcomputer control. Graphical LCD display. Storage of three times results for Re-M (repetition measurement) and calculation of average value. Measurement of dark-colored sample. USB interface. Measurement range -700 to +700 (optical rotation) and- 2000 to +2000 Z (sugar scale). Most Suitable for sugar content measurements.	EI (Eastern Instruments)	LABTRONICS LT-740
5	Mechanical Shaker (Rotary Shaker)	Technical Specification <ul style="list-style-type: none">Type of Movement : RotationDigital RPM and Timer : YesCapacity : 18 FlaskSpeed Range : 0-350 RPMOperation Mode : Continues OperationTimer Option : YesPermissible Ambient Temperature : 5-40degree CPermissible Relative Moisture : 80%Motor Type : PMDC Motor Voltage : 220-240V	EI	LAB SOLUTION INDIA
7	Water Bath	<ul style="list-style-type: none">Double wallDigital ControllerSize : 6 holes of 75 mm dia.Capacity : 8 liters	EI	LAB SOLUTION INDIA
9	Hot Incubator with digital panel	Large Size (24"x18"x18" – 95 Litters), Temperature range from above ambient temp i.e. +10 ^o C -260°C. Temperature is controlled by an	EI	LAB SOLUTION INDIA

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		electronic digital temperature controller cum indicator, with a sensitivity of $\pm 1^\circ\text{C}$, Air circulating fan for homogenous temperature throughout the chamber.		
14	UV Cabinet	UV Cabinet with lights of 365nm, 254nm, 312nm & white light. German UV Block filter.	SSC -CO.	Equiptronics EQ-781
15	Bomb Calorimeter with Digital firing unit	Bomb Calorimeter Automatic Bomb Calorimeter Microprocessor Based (Graphical Display) 128x64 Graphical LCD. Temperature Resolution 0.010°C . Internal Memory 1000 logs with date and time, USB interface to PC. Inbuilt thermal printer, Time Clock, Real time clock with battery backup. Measurement & calculation of calorific value & water equivalent USB interface for sending data to PC. Full test report printout by inbuilt thermal printer. Weight of sample. Water equivalent & sensitivity can be set through keypad on single page, Fuse wire open indication error adjustable. No paper or printer door open detection, Audio indication on firing as well as after test, Automatic detection of temperature rise & fall, Power supply $230\pm 10\%$ AC, complete with all accessories,	EI	LABTRONICS LT-1160

DEPARTMENT OF PHYSICS

SL. No.	NAME OF THE INSTRUMENT/ SET UP	SPECIFICATION	MAKE	
			As stated Initially	Additional inclusion
1.	Set up to determine g and velocity for a freely falling body using Digital Timing Technique.		ASICO	BESTO
2.	Set up to determine the value of g using Bar pendulum	i) Compound pendulum (Iron C.P.) ii) Stop Watch-Digital iii) Reading Telescope with focal range from 1m. to infinity	ASICO	i) BESTO ii) RACER ii) DEVCO
7.	Set up to determine Stefan's constant using thermocouple.		ASICO	OSAW

SL. No.	NAME OF THE INSTRUMENT/ SET UP	SPECIFICATION	MAKE	
			As stated Initially	Additional inclusion
9.	Set up to determine the excitation potential of mercury/Argon by Franck-Hertz experiment		ASICO	SES Instruments Pvt. Ltd Model No: FH-3001
10.	Set up to study Photo-electric effect: photo current versus intensity and wavelength of light; maximum energy of photo-electrons versus frequency of light	With proper arrangement to measure the intensity of incident light.	ASICO	MICROTECH
11.	Set up to determine the absorption lines in the rotational spectrum of Iodine vapour.	The apparatus consists of a) Spectrometer 7 inch with L.C. 30 seconds b) Iodine Setup Long Iodine Tube with power supply c) Grating 15000 lines/inch d) Stand for Iodine Tube	ASICO	a)DEVCO b)BESTO c)BESTO d)BESTO
15.	Set up to measure the Dielectric Constant of a dielectric Materials with variation of frequency.		ASICO	SES Instruments
16.	Set up to measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temperature to 150 0C) and to determine its band gap.		ASICO	OSAW
17.	Set up to determine the Hall coefficient of a semiconductor sample.		ASICO	OSAW
18.	Set up to analyze elliptically polarized Light by using a Babinet's compensator	Babinet's Compensator. The instrument consists of two-round scales. One with index and the other vernier. The first scale (index scale) is for tuning the analyser into the azimuth. The second scale (vernier scale) is for measuring the degree of orientation of a wedge box. The wedges box contains two wedges cut in mutually perpendicular direction of optics axis in quartz.	ASICO	BESTO

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			As stated Initially	Additional inclusion
		The long wedge is movable by means of a micrometer drum, with the help of which accurate reading of the movement is taken. Micrometer screw minimum reading 0.001cm. (i.e. Least count) Without Sodium Vapour Lamp		
19.	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	Without Sodium Vapour Lamp	ASICO	DEVCO
20.	Set up to determine the refractive Index of (1) glass and (2) a liquid by total internal reflection using a Gaussian eyepiece.	Spectrometer with Gaussian eyepiece. – High Grade Spectrometer 7 inch dia.(Deluxe Type) V.C. 20” Without Sodium Vapour Lamp	DEVCO/ ASICO	DEVCO
21.	Set up to verify the law of Malus for plane polarized light.		DEVCO/ ASICO	HOLMARC CAT NO: HO-ED-P-02
33.	Set up to study the PE hysteresis loop of a ferroelectric crystal.		ASICO	OSAW
47.	Dead Beat Galvanometer	Coil Resistance: 500 ohm Current Sensitivity: 2 nano Ampere		SETT & DE/ OXFORD
49.	Portable type pointer galvanometer	20 micro-ampere /division 25-0-25 both side	Sett & De/ Asico/ Devco	SETT & DE/ OXFORD

DEPARTMENT OF ZOOLOGY

SL NO	NAME OF THE ITEM	SPECIFICATION	MAKE	
			As stated Initially	Additional inclusion
1	Compound microscope	MX 21i with camera & software	Olympus	—
2	Compound microscope	with light source and stage	Kwality-KLM105/ Olympus SM 100	—
3	Digital Multiparameter pen	pH, temperature, salinity measurements available	Hanna	—

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5	Colorimeter	Long Life LED Light source, Auto Zero Facility. Display of %T, Abs and two Concentration scales C1 & C2, Long Life Photo Diode Detector	ELICO LTD. MODEL NO CL-223	Systronics
6	Digital Multiparameter analyzer	DO measurement in Air saturated waters using Conventional Polarographic Probe	WATER QUALITY ANALYSER PE-138	—
7	Bacterial genome isolation kit	Species reactivity: Bacteria Isolation:50 Application: Useful for PCR, Cloning, southern blotting and DNA Hybridization	Biocompare	—
8	Dissolved Oxygen (D.O.) kit	Dissolved Oxygen Analyzer with Magnetic Stirrer (GI 631), DO Probe	Thomas Scientific	—
9	Gel Apparatus	Gel Electrophoresis System Vertical Mini with glass plates, combs. Leak proof, Moulded in single piece made of polycarbonate. 99.9% pure platinum wire in electrode.	BR Biochem	Labgene Scientifique/ Thermofisher/ BioEra
10	pH meter	Standards & Sample Storage Facility, Automatic/Manual Temperature Compensation Connectivity for Printer/PC. External PC keyboard	ELICO LTD. MODEL NO-LI 614	—
11	Kymometer	Material: stainless steel, capacity: 2.5mm/sec Frequency: 50Hz, VoltageL: 240V	INCO	—
12	Inoculating loop	Nichrome Loop-D-1 Diameter : 1.3 mm, double wound, calibrated to 1.0 µl	Himedia LA02-1	—
13	Autoclave	Type: Vertical/Laboratory bench autoclave. Approx. 20-25 litre Dimensions: Dia x Height: 350 x 550 mm (14" x 22")	Sarada	BioEra/Equitron/ Scientech
14	Laminar Hood	2'x2'x2'	Sarada	BioEra/ Cleanair
15	GPS range finder		Garmin Etrex	Garmin ETRAX 30
16	Digital camera	semi DSLR, 24MP, 50x optical zoom	Canon	—
17	Binocular (8x40)	(8x40)	Olympus (8x40)	Olympus
18	Centrifuge	Maximum capacity: 4 x 175	Remi-NEYA10	Remi

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		ml (swing out) – 6 x 100 ml (fixed angle) Maximum speed: 4500 rpm (swing out) – 6000-10000 rpm (fixed angle)		
19	Printer cum scanner	Multifunction Laserjet wireless (colour), (Scanner)	Hp Laserjet 255DW	—
20	Refrigerator	Double door, 220 litre	Samsung/Godrej	Hier/ Whirlpool
21	-20 Refrigerator	150 litre	Blue Star CHF150	

Sd/-
Principal
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Hetampur, Birbhum