



# School Of Science

## ADVANCED EQUIPMENT INFORMATION

Core Subject	Generic Name of Equipment	Make of Instrument and Year of Purchase
Biomedical and Life Sciences	Refrigerator	LG, 2012
	Compound Microscope	D K Scientific
	Stereo Microscope	Labomed, 2016
	Visible Spectrometer	Li-722, Analab, 2011
	UV-Visible Spectrophotometer	Chemiline, 2017
	Magnetic Stirrer	2 Mlh, Remi, 2017
	Laboratory Cooling Centrifuge	Remi, 2018
	Vortex Mixer	Cm-101 Plus, REMI
	Refrigerated Centrifuge	REMI, 2018
	BOD Incubator	Labtech, 2018
	Laminar Air Flow Cabinet	Labtech, 2018
	Biosafety Cabinet	Medlab, 2019
	CO <sub>2</sub> Incubator	Nuve, Italy, 2019
	PCR (PRIMA 96)	HiMedia, 2019
	Gel documentation System	Cleavar (Micro Doc), 2019
	Autoanalyzer versa	Auto Lab, 2019
	Water Bath	Labtech, 2018
	Binocular Microscope	Labomed Lx200, 2019
	-20 Deep freezer	Ohmkar, 2019
	Samsung Refrigerator	Rt28k3022se
Digital Electronic Balance (1mg)	Scaltec, 2018	
Digital Electronic Balance (0.1mg)	Schimadzu, 2018	
Western Blot Transfer unit	Cavoy, 2019	
Inverted Microscope	Ckx53, Olympus, 2019	

Core Subject	Generic Name of Equipment	Make of Instrument and Year of Purchase
<b>Biomedical and Life Sciences</b>	Florescent Microscope	Carl Zeiss, 2019
	HPLC	Schimadzu, 2021
	Gas chromatograph	Thermofischer Trace 1110
	Karl Fischer Titrator	Analab, 2018
	Digital Colorimeter	Equiptronics, 2016
	Flame photometer	Equiptronics, 2016
	Rotatory evaporator	Aditya Scientific, 2018
	Ultrasonic Bath	Kheteshwar Trade Link, 2012
<b>Chemistry</b>	Vacuum pump	Kheteshwar Trade Link, 2012
	Thermostatic Water Bath	Kheteshwar Trade Link, 2012
	Digital Potentiometer	Equiptronics, 2016
	Digital Conductometer	Equiptronics, 2016
	Digital pH meter	Equiptronics, 2016
	Hot air oven	Lab Equip Technology, 2012
	Magnetic stirrer	Jain Scientific, 2012
	Laboratory Fume Hood	Lab Excel, 2012
	Digital Electronic Balance	Shimadzu, 2012
	UV Chamber	Optics Technology, 2012
	Distillation Assembly (5L)	Jain Scientific, 2012
	Heating Mantle (Cap. 50, 100, 250 mL)	Kheteshwar Trade Link, 2012
	High Pressure Facility (Diamond Anvil cells, Stereo Microscope, Ruby Fluorescence Setup, Keithley Voltmeter, Diamond anvils and Accessories)	
Home built Raman Spectrometer (Spectrometer, CCD, Laser, Microscope, Optics, Computer interface and Mounting stages)		
Detector Based Apparatus for Diffraction Experiments (Diode lasers, slit box, pin hole, photo transistor, optical rails and stages)		
Biprism diffraction apparatus (Biprism, achromatic lenses, sodium vapour lamps, optical rails and stages)		
Cobra 3 measuring module function Generator (PhyWe Make)		
DC Power Supply (Output voltage: 0-10 kV DC at a load current 0.1mA continuously adjustable Overload capability: short circuit proof; S/C current: max 3.0 mA Input voltage: 230 V AC, 50Hz; Consumption: 20 VA) (PhyWe make)		

Core Subject	Generic Name of Equipment
Physics	Digital Temp. Indicator with Thermocouple-Four point, Artech make Suitable for Cr/Al Thermocouple (Input Voltage: 230V AC $\pm$ 10%, 50Hz, Single Phase, Temp. Range: 0 to 500 o C)
	Regulated Variable DC Power Supply, APLAB make (Input Voltage: 230V AC $\pm$ 10%, 50Hz, Single Phase Output Voltage & Current: 0-64 V DC; 0-3 A DC)
	Digital Multi-meter KUSAM MECO make (Voltage Range: 400mV to 750 V AC, and 400mV to 1000 V DC Current: 40 mA to 10 A (AC /DC) Resistance: 400 $\Omega$ to 400 M $\Omega$ Capacitance : 4 nF to 40 $\mu$ F Frequency : 2 MHz ; 1 Hz resolution)
	Transverse Hall Probe Polytronic make (Sensor: Hall effect-based probe made out of Gallium Arsenide crystal is supplied with 1m long cable and enclosed in metal pen type container)
	Gauss meter Polytronic make (Measuring Range: 0-200 Gauss; 0-2 Kilo Gauss; 0-20 Kilo Gauss)
	DC Power supply variable, universal Alkkad make (Input Voltage: 230V AC $\pm$ 10%, 50Hz, Single Phase, and Output Voltage: 0-15V DC; Max. Current: 5 A)