



VICTORIA INSTITUTION (COLLEGE)

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Notice


Sealed quotations are invited from the suppliers and companies to purchase the following Instruments and apparatus for laboratory of the **Department of Chemistry, Department of Physics, Department of Zoology, Department of Botany, Department of Psychology and Department of Geography of Victoria Institution (College)**. Interested persons please submit their quotations at Principal's office within 07 days from the date of publication of the notice.

REQUISITION FOR INSTRUMENTS AND APPARATUS

SL. NO.	INSTRUMENT NAME	SPECIFICATION	QUANTITY
1	Student Microscope	Mechanical stage, 10x, 45X and 100x objective and artificial lights	20
2	Automatic SS Refrigerated Circulating Water bath	Volume 20 ltr., temperature 4°C-100°C	1
3	PCR thermo cycler	96-well: 0.2 ml, 0.5 ml, tubes and plates, graphical touch screen, Accuracy: $\pm 0.2^{\circ}\text{C}$ Uniformity: $\pm 0.4^{\circ}\text{C}$ well-to-well within 10 sec, Max ramp rate: up to $5^{\circ}\text{C}/\text{sec}$, Temperature range: 4–100°C	1
4	Incubator- shaker	SS body, ambient to 70°C	1
5	-20°C Freezer	150ml-200ml	1
6	Refrigerated Centrifuge	20000 RPM max, 50ml, 15ml and 1.5ml tubes, 0°C to ambient temp	1
7	Submarine Electrophoresis Unit with gel caster	Mini system	1
8	Submarine Electrophoresis Unit with gel caster	Midi system	1
9	Vertical mini modular dual electrophoresis system	Buffer volume 100 ml	1
10	Western blot apparatus	Midi system	1
11	power supply for gel electrophoresis	Constant voltage constant current dual channel	1
12	Hybridization Incubator	SS body, 4-6 bottle	1


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13	ELISA Plate Reader	48 & 96 well plate reading capability, Wavelength range 400-750 nm, Measurement methods - single wavelength, dual wavelength, two points method, dynamic assay, multiple wavelengths, Calculation Method - absorbance, single point calibration, linear regression, quadratic curve, four parameters equation, Optical Filter- Minimum 4, Resolution- 0.0001A	1
14	UV Transilluminator with in-built UV protection shield.	Non-LED based, Number of tubes- Minimum 6, Quartz UV filter, Dual intensity, Detection limit- 0.01 ng of stained DNA	1
15	Fine Balance	Minimum measurement 0.01 mg	1
16	pH Meter		1
17	Refrigerator	Frost-free, above 170 lts	1
18	Brunton Compass		1
19	Auto Level Dumpy		2
20	Melting point apparatus		1
21	UV- fluorescence lamp set up		1
22	Suction pump		1
23	Digital Potentiometer (Systronics, Model 318)		1
24	Fresnel's Biprism (Full Set)		1
25	B H Loop using different ferromagnetic rods and a C.R.O [DSO]		1
26	Ice Vending Machine/Refrigerator		1
27	HD PROJECTOR		1
28	DIGITAL CAMERA		1


Bursar
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Dr. Maitreyi Ray Kanjilal
(PRINCIPAL)

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