

Shiksha Mandal's
Jankidevi Bajaj College of Science, Wardha

Specification of the instruments/equipments

(Quotes are accepted through tender form only issued by Jankidevi Bajaj College of Science,
Wardha on payment of prescribed fees)

Item No.	Name of the instrument	Specification
1	Laboratory Fume Hood	<ul style="list-style-type: none"> • Design : Customized • Voltage : 220 V Single phase • 50Hz, AC • MOC : SS MS • Ambient Temperature : 11000C
2	Contech Digital Balance	0.1 mg precision, 220 gms – Contech
3	Fuel Cell Component For single Cell without membrane	<ul style="list-style-type: none"> • Linear flow field • Suitable for PEM fuel cell • reusable for multiple use with various membrane • Rectangular frame, • Graphite make • complete cell
4	Bio-rad vertical gel PAGE miniprotein system	<ul style="list-style-type: none"> • Mini-PROTEAN Tetra cell • Number of gels : 1- 4 • Recommended Powersupply : Powerpal Universal • Dimensions (WxLxH) : 12x16x18 cm • Weight : 7 Kg (2.2 lb) • Gel Sizes : 8.3x6.4 cm (ready gel gas) • 8.6x6.7 cm (mine-PROTEIN TG • Xx Gels)
5	Horizontal gel electrophoresis system	<ul style="list-style-type: none"> • Cell Sizes(WxLxH) : 29x40x9 cm • Geltray sizes (WxL) : 25x10 cm • Sample throughput : 24 – 192 • Base buffer volume : ~3L
6	Nikon Stereo Zoom Microscope (5X/10X)	Nikon
7	Magnetic Stirrer 2-ML Stirring Capacity 2000ml	Make : REMI <ul style="list-style-type: none"> • PDMC motor for higher torque even at low speeds • Better speed regulation even with small volume & low speeds • Accurate stepless speed control maintains excellent speed stability • Digital speed indicator for display of stirring speed • Totally enclosed unit • Designed for use even in corrosive atmosphere • Supply : 220-240 volts 50Hz AC supply.
8	Magnetic stirrer cum hot plate	Make : Tarson
9	Digital Balance	Sciencetech SE-391
10	Colorimeter	<ul style="list-style-type: none"> • Silicon photo diode/photo cell • Wavelength range – 400 to 700 nm. • Absorbance : 0-1.99 A • Resolution % T : 1 • Abs = 0.01 • Conc = 0.01

Item No.	Name of the instrument	Specification
11	E/M by Helical	<ul style="list-style-type: none"> • O/P Voltage 300 to 900 V DC • Voltmeter : 0 – 1000 V DC • CRT mounted on stand • Solenoid High current
12	E/M by Thomson	<ul style="list-style-type: none"> • Deflection Voltage 0 – 200 volt DC • 8 pin octal base panel • Strong and High quality Bar magnet (5 cm)
13	LCR meter	<ul style="list-style-type: none"> • LCR Type – Computer Interface Desktop model • Text Max Frequency = 5 MHz • Max. Inductance = 1 K Henry • Max. Capacitance = 20000 μF • Max Resistance = 10Ω
14	Paper Chromatography Chamber	<ul style="list-style-type: none"> • Brands: Sisco • The cabinet -seasoned wood. • Internal surface with wax coating • Lid facilities, replenishment of solvent rough. • Tight closing with special clamp, rubber gaskets • The cabinet with glass windows on all sides. • Stainless steel trough and glassrods.
15	Sonicator	<ul style="list-style-type: none"> • Probe with piezo ceramics • Drop size at 20 KHz is 90 microns, and 45 microns at 40 KHz. • The large, and particularly uncloggable aperture.
16	Microscopes	<p>Standard microscope set complete with widefield eyepieces NWF10x, Achromatic objectives 10x, 40x & 100x (spring, oil imm.), attachable graduated mechanical stage 120mm x 125mm, plano-concave mirror in adjustable fork mount, Sub-stage Abbe Condenser N.A. 0.9/1.25 fitted with an iris diaphragm & blue filter etc.</p> <p>Make : Magnus / Olympus</p>
17	Digital Micro Pipette, Increment 0.2 μ l : 20-200ul	Fully Autoclavable UV resistance, variable volume, single channel pipettes Make : Genaxy / Himedia
18	Digital Micro Pipette, Increment 1 μ l : 100-1000ul	
19	Olympus Compound Microscope (10X/45X)	<ul style="list-style-type: none"> • Eye piece 10 X • Objective 10X, 45X, 100 X