



List of Equipment's selected to purchase for "Faculty of Paramedical Sciences"

Assam down town University

Instruments for use in teaching Practical course in Practical Laboratory under various Programmed

Sl no.	Instrument name	Make/ Model/ Company	Specifications	Quantity	Programme
1	Hot air oven	<ul style="list-style-type: none"> • Make- Ikon Instruments • Model- IK-109 	<ul style="list-style-type: none"> • Capacity: 45 Liter • Inner chamber size should be 355 x 355 x 355 mm • Temperature: +5C – 250°C • Dual door with high insulating gasket for proper door sealing • LED display • Minimum 1 to 3 years of warranty against all manufacturing defects from the date of installation 	1	MLT
2	Haemocytometer	<ul style="list-style-type: none"> • Make- Symax 	<ul style="list-style-type: none"> • The central square's subdivisions have dimensions of 0.05x0.05 mm (0.0025 mm²). • Type: Flat Bottom • Usage Type: Reusable • Material: PVC • Material: Made of German glass, Light and unbreakable compared 	10	MLT

			<ul style="list-style-type: none"> to glass • Length: 155 mm • Diameter: 7 mm • Suitable Container Size: 30 		
3	Manual Cell counter	<ul style="list-style-type: none"> • Make- Symax 	<ul style="list-style-type: none"> • Number of Memory sticks: 1 • Item Weight: 690 g • Product Dimensions: 22 x 8 x 7 cm • Item Height: 7 Centimeters • Item Width: 8 Centimeters 	10	MLT
4	Manual Colony Counter	<ul style="list-style-type: none"> • Make- CSW • Model- ASHNOOR 	<ul style="list-style-type: none"> • ABS Outer shell can resist collision • Count (BASO, EOSIN, MYELO, JUVEN, STAB, SEG, LYMPH, MONO) • At one hundred increment of the total record • The bell sound be heard • Rest knob can easily clear all figures • Eight keys & one totalizer. • Each key can record upto 999 	1	MLT
5	Haemoglobinometer	<ul style="list-style-type: none"> • Make- Symax 	<ul style="list-style-type: none"> • Should contain- Polystyrene support with 2 colored rods and opal glass plate. • Comparator tube. • Hemoglobin pipette 20 µl • Silicone tubing of approx. 16 cm length, white mouthpiece. • Dropping pipette with rubber teat. • Stirring rod, Acid vial. • Cleaning brush, Directions for use (Manual). 	5	MLT
6	Glucometer	<ul style="list-style-type: none"> • Make- Symax 	<ul style="list-style-type: none"> • Product Dimensions: 11x 5.2 x 2.05 cm; 0.06 g 	5	MLT

			<ul style="list-style-type: none"> The kit should include Blood sugar monitor, battery, 100 x Test strips, 100 x Lancets, pain free Lancing Device & Quick start guide. 		
7	Urinometer	<ul style="list-style-type: none"> Make-Symax 	<ul style="list-style-type: none"> Material: Soda glass, steel shot ballast, synthetic wax resin Range: 1.000 to 1.060°SG Accuracy: +/- 0.002°SG Divisions: 0.001°SG Bulb diameter: 16mm Overall length: 160mm Weight: 21g (including protective plastic tube) 	5	MLT
8	Stethoscope	<ul style="list-style-type: none"> Make- Symax 	<ul style="list-style-type: none"> Type: Acoustic Color: Black Single side Chest For Nurse, Student, Clinician Single Lumen Tube 	4	MLT
9	Sphygmomanometer	<ul style="list-style-type: none"> Make- Symax 	<ul style="list-style-type: none"> Type: Manual Aneroid Sphygmomanometer Cuff Material: High-quality fabric with Velcro fastening Measurement Range: 0–300 mmHg Accuracy: ±3 mmHg Manometer: Round dial gauge with clear markings Inflation Bulb: Durable rubber bulb with air release valve Deflation Valve: Precisely adjustable for controlled air release Casing: Shock-resistant metal body with corrosion-resistant finish Portability: Lightweight and easy to carry Application: Suitable for hospitals, clinics, 	4	MLT

			<ul style="list-style-type: none"> and home use Warranty: 1-3 years 		
10	Refrigerator	<ul style="list-style-type: none"> Make- Whirlpool Model- FP 253D 	<ul style="list-style-type: none"> Capacity: 235 liters Capacity- 235 litres Configuration- Triple Door BEE Star- 5 Star PRICE 34190 Body material- Steel Inverter Compressor Frost Free: Auto fridge defrost to stop ice-build up 1 year Comprehensive warranty on product and 9 years warranty on Compressor. 	2	MLT
11	Colorimeter	<ul style="list-style-type: none"> Make- Ikon Model- IK-31 	<ul style="list-style-type: none"> Power:230V±10% 50Hz AC Filters: 8 Mini Volume: 1 ml. Display:2½ Digit LED Range: 400-700 nm Accuracy: ± 0.02 O. D Detector: Selenium Photocell Light Source: 6.8v, 300mA Warranty: 1-3 years 	2	MLT
12	Hot water bath	<ul style="list-style-type: none"> Make- Ikon Instruments Model- IK-127 	<ul style="list-style-type: none"> Capacity: 15 litres Inner chamber size: 330x 300x 150 mm for 4 racks Temperature range should be controlled by imported thermostat, Ambient to 80°C ±0.5°C LED display Minimum 3 years of warranty against all manufacturing defects from the date of installation. 	2	MLT
13	VDRL Rotator	<ul style="list-style-type: none"> Make- Zene Instruments Model- Analog 	<ul style="list-style-type: none"> Rubber Covered metal platform. Platform size 13" x 13" can take cavity slides. 	1	MLT

			<ul style="list-style-type: none"> Platform can take blood bottles & flask by using springs holder/clamps. Fixed oscillation 180 RPM per minute. Suitable for VDRL Test. Analog Model Technical Specification: Material : CRC/MS Sheet metal duly painted Power Consumption : 220/230VAC±10% Supply Single Phase 50 HZ Duty Cycle : Continuous 		
14	Needle destroyer	<ul style="list-style-type: none"> Make- Symax 	<ul style="list-style-type: none"> Two second operation Shock proof Low power consumption Width : 6 inch Height : 6inch Depth : 4inch Weight 1kg Compact design with one needle burner and syringe destroyer. Warranty: 1-3 years 	3	MLT
15	Centrifuge	<ul style="list-style-type: none"> Make- Neuation Technologies Model- iFuge D06 	<ul style="list-style-type: none"> Max RPM: 6500 Motor type: Brushless DC Speed setting: 500 to 6500 RPM Timer setting: 1 to 30 mins & infinite mode Lid lock safety: Yes Noise level: <60dB Imbalance detection: Yes Dimensions (W x D x H): 260 x 244 x 205 mm Weight: 4 kg 1-3 years warranty 	1	MLT
16	Electronic balance	<ul style="list-style-type: none"> Make- Wensar Model- TAB2T 	<ul style="list-style-type: none"> Capacity: 220 g Readability: 0.0001 g (0.1 mg) Repeatability: ± 0.0001 g Linearity: ± 0.0003 g Display: LCD Pan: 90mm diameter Warranty: 1-3 years 	1	MLT
17	Vortex Shaker	<ul style="list-style-type: none"> Make- Borosil Model- 	<ul style="list-style-type: none"> Voltage: 100-120V/200-240V,50/60Hz Power: 60W 	1	MLT

		Bhrmi 1.0	<ul style="list-style-type: none"> Mixing motion: Orbital Orbital diameter: 6mm Motor type: AC motoe Motor rating input: 58W Motor rating output: 10W Speed range: 0-3000rpm 		
18	PH Meter	<ul style="list-style-type: none"> Make- Contech Instruments Model- CpH 102 	<ul style="list-style-type: none"> Typical Range: 0.100 to PF.Reading Direction: Can indicate leading or lagging power. Voltage: Typically 60-240V AC, 20- 300V AC. Current: 0-5A, 10mA Typical Accuracy: Class 1.5, +/- 2 degrees of full scale reading. Frequency Range: typical Range: 45Hz to 55Hz, 50-60 Hz. Display: Digital: LED or LCD displays are common. Analog: Pointer-type displays are also used. Display Resolution: Can be 0.001 PF. Warranty: 1-3 years 	1	MLT
19	Microscope	<ul style="list-style-type: none"> Make- Labomed Model- Vision-2000 	<ul style="list-style-type: none"> Type: Binocular microscope Model: vision-2000 Material: Metal & glass Real angle of view: 45 degrees Stage: Rectangular stage, size should be 135x124mm X/Y travel range should be 76mm X 50mm. Condenser: Sub stage Abbe condenser NA 1.25 with aspheric lens. Iris diaphragm with snap-in frosted white filter. 	10	MLT

			<ul style="list-style-type: none"> • Eyepiece: 10x wide field eyepiece 10x/18mm with foldable eye guard lockable antifungal. • Voltage: 240V AC 50/60 Hz. • Body: Binocular (Lx200) viewing body 45degree inclined 360 degree rotatable dovetail. • Warranty: 1-3 years 		
20	Slit Lamp	<ul style="list-style-type: none"> • Make- Matronix • Model- Matronix SL-5 HAAG STREIT Rs 65999 INR (at amazon.in) {or} • Make- Appasamy associates • Model- Appasamy AIA-112S 	<ul style="list-style-type: none"> • Binocular microscope with adjustable slit width and height. • Magnification: 10x to 40x. Halogen/LED light. Includes chinrest. • Range: 6x, 10x, 16x, 25x, 40x (varies by model) • Eyepiece: - Wide-field eyepieces (10x, 12.5x, or 16x) - Adjustable diopter (+/- 7D) • Objective Lenses: Achromatic or apochromatic optics for enhanced clarity • Slit Width: Adjustable from 0 mm to 14 mm • Slit Height: Adjustable from 1 mm to 14 mm • Slit Rotation: 0° to 180°, continuous rotation • Light Source: Halogen or LED illumination • Color temperature around 3200 K (halogen) or 5500 K (LED) • Filters: Cobalt Blue – for fluorescein staining • Red-Free (Green) – for retinal nerve fiber layer and blood vessels • Heat Absorbing / UV 	2	Optometry

			<ul style="list-style-type: none"> Filter – for <ul style="list-style-type: none"> patient comfort and protection Illumination Control: Continuously adjustable brightness Microscope Convergence: Converging optical system, stereoscopic view Working Distance: Approx. 100 mm Patient Support: Chinrest and forehead rest, adjustable height Fixation target for patient’s gaze stability Power Supply: AC 100–240V, 50/60 Hz (depending on model) Warranty: 1-3 years 		
21	Trial set	<ul style="list-style-type: none"> Make- Sutra Optical. Model-Illuminated 225 trial lens set. 	<ul style="list-style-type: none"> 2 mm clear aperture (CA) Includes: Spherical lenses (+/-0.25D to +/- 20.00D), Cylindrical lenses (+/-0.25D to +/-6.00D), Prisms (0.5Δ to 10Δ), Accessories: occluder, pinhole, Maddox rods, cross cylinder, red- green filters, blank lenses, Standardized color coding (red for minus, black for plus) Should come in a well-organized, foam-lined carrying case. 	2	Optometry
22	Eye Model	<ul style="list-style-type: none"> Make- RH enterprises Model-Eye with detachable part model application 	<ul style="list-style-type: none"> Anatomical human eye model (~3x magnified) Removable parts: sclera, retina, cornea, iris, lens, vitreous body, optic nerve Mounted on base for stable display 	3	Optometry

			<ul style="list-style-type: none"> • Made of durable, high-quality PVC • Ideal for teaching, demonstration, and patient education • Size: Approx. 12–15 cm diameter (varies by model) • Warranty: 1-3 years 		
23	Keratometer	<ul style="list-style-type: none"> • Make- Matronix • Model- Accurate manual Keratometer 	<ul style="list-style-type: none"> • Measures corneal curvature in diopters (D) and millimeters (mm) • Measurement range: 36–52 D • Axis range: 0°–180° • Uses reflective mires for precise readings • Adjustable eyepiece with focusing knob • LED/halogen illumination (model dependent) • Dual-position readings for horizontal and vertical meridians • Mounted on stable base with chin rest (optional) • Warranty: 1-3 years 	2	Optometry
24	Retinoscope	<ul style="list-style-type: none"> • Make- Heine • Model- Rechargeable Heine beta 200 retinoscope 	<ul style="list-style-type: none"> • Streak retinoscope with halogen/LED illumination. • Rechargeable handle with variable brightness control. • Focus adjustment sleeve for dynamic focusing. • Rotating head for streak direction adjustment. • Aperture control for beam width and intensity. • Suitable for both myopic and hyperopic assessments. • Warranty: 1-3 years 	3	Optometry
25	Direct Ophthalmoscope	<ul style="list-style-type: none"> • Make- Keeler professional • Model- Direct 	<ul style="list-style-type: none"> • Halogen/LED illumination with bright, white light. 	3	Optometry

		ophthalmoscope (Rechargeable)	<ul style="list-style-type: none"> • Multiple aperture settings (small, large, red-free, slit, fixation). • Rechargeable handle with adjustable brightness. • Diopter wheel with wide range for refractive compensation. • Compact, lightweight, and handheld design. • Warranty: 1-3 years 		
26	Trial frame	<ul style="list-style-type: none"> • Make- Sugra • Model- Dulex Trial frame 	<ul style="list-style-type: none"> • Adjustable PD (54–70 mm), temple length, nose pad, suitable for 22mm trial lenses, adult size 	7	Optometry
27	Pen torch	<ul style="list-style-type: none"> • Make-BOS Medicare surgical store • Model- Doctor pen torch 	<ul style="list-style-type: none"> • Medical-grade pen torch with yellow or white LED, push-button switch, reusable, pocket clip. 	4	Optometry
28	X-Ray View box	<ul style="list-style-type: none"> • Make-OTICA 	<ul style="list-style-type: none"> • 14×17 inch 	8	Radiology
29	Positioning Chart	<ul style="list-style-type: none"> • Make-Siemens 	<ul style="list-style-type: none"> • X-ray general and special views • Wall hanging 	1	Radiology
30	Pocket Dosimeter-Beeper with Reset function	<ul style="list-style-type: none"> • Make-EECI 	<ul style="list-style-type: none"> • Continuous Data Storage • Silicon Semiconductor Detector • Long Battery Life: Single coin-type lithium battery cell • Compact and Portable • Warranty: 1-3 years 	1	Radiology