



**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	Vertical Autoclave	<ul style="list-style-type: none"> • Make- Tempo Instruments • Model: TI-121B with Semi-Automatic function 	<ul style="list-style-type: none"> • Standard Model: Inside S.S. 304 mirror finish. Outer SS 304 mirror finish. • Temp. Range: 121°C to 125°C factory set at 121°C • Capacity: 35 litres • Internal size (Dia. x Ht.): 30 x 50 cm • Rating: 2.0 KW • Warranty – 2 years 	1	MLT
2.	Calibrated Ionization Based Survey Meter: Within Diagnostic Range	<ul style="list-style-type: none"> • Make- Fluke Biomedical • Model- 9DP 	<ul style="list-style-type: none"> • Range: Background to 50 mSv/h (5 R/hr) • Shows Exposure Rate & Either Integrated Exposure or Peak Exposure Rate • Sunlight Readable Color Display • Auto-Zeroing & -Ranging • Rechargeable Batteries • Audio & Visual Alarms • Data Logging • USB Connectivity • Free Firmware Updates Through Website 	1	Radiology

3.	Gafchromic EBT4 Film	<ul style="list-style-type: none"> • Make- Gafchromic • Model- 	<ul style="list-style-type: none"> • Film Size 8"x10" • Pack of 25 sheets 	1	Radiology
4.	Film dosimetry set scanner	<ul style="list-style-type: none"> • Make- Epson 	<ul style="list-style-type: none"> • Epson scanner • Expression 13000xl with laptop 	1	Radiology
5.	Calibrated DAP Meter	<ul style="list-style-type: none"> • Make- General electric • Model: DRK -1 	<ul style="list-style-type: none"> • Consists of one square ionization chamber DRK-1-K01 and one radiation charge meter 	1	Radiology
6.	Automat Refractometer (AR)	<ul style="list-style-type: none"> • Make- Matronix • Model- Matronix QK30+ 	<ul style="list-style-type: none"> • Measurement Range (Sphere)-25.00 D to +22.00 D (in 0.12 / 0.25 D steps) • Cylinder Measurement: 0.00 D to ±10.00 D (in 0.12 / 0.25 D steps) • Axis Measurement: 0° to 180° (in 1° steps) • Pupil Diameter Measurement: 2.0 mm to 9.0 mm • Vertex Distance: 0 mm, 12 mm, 13.5 mm, 15 mm • Minimum Pupil Diameter: ≥ 2.0 mm • Measurement Mode: Auto / Manual • Fixation Target Internal fixation with automatic fogging • Display: CRT / LCD Monitor (with refractive values and alignment guidance) • Data Output: RS-232C Interface for EMR connectivity • Power Supply: 100–240V AC, 50/60 Hz (with in-built voltage stabilizer preferred) • Weight: (Approx.) 20–25 kg • Dimensions (W x D x H): Approx. 275 mm × 475 	1	Optometry

			<ul style="list-style-type: none"> mm × 430 mm Must comply with IEC/ISO medical electrical equipment safety standards Warranty: 1-3 years 		
7.	Lensometer	<ul style="list-style-type: none"> Make- Matronix Model- SLK5600 or LM20 	<ul style="list-style-type: none"> Measurement Method: Hartmann-Shack wavefront sensor (advanced 108-point measurement) Measurable Lenses: Single vision, bifocal, progressive, and contact lenses Lens Types: All materials including high-index, polycarbonate, and glass Sphere Power Range: -25.00 D to +25.00 D (in 0.01/0.06/0.12/0.25 D steps selectable) Cylinder Power Range: 0.00 D to ±10.00 D Axis Measurement: 0° to 180° (1° steps) Prism Measurement Range: 0–15 Δ (Horizontal/Vertical) Prism Modes: Cartesian (X-Y), Polar (P- B) PD Measurement: 40–90 mm (Monocular and binocular) Display: 5.7" Color LCD, tiltable for ergonomic viewing Operating Mode: Automatic and manual Power Supply: AC 100–240 V, 50/60 Hz Weight: (Approx.) 5.0 kg Dimensions (W × D × H): 198 × 427 × 233 mm Must be CE and ISO 13485 certified 	1	Optometry

			• Warranty: 1-3 years		
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