

1) DEPARTMENT OF MICROBIOLOGY

Sr.No	NAME OF THE ITEMS (Quantity may be procured at the discretion of the department as per requirement)	Status
(A)		
1	Microscopes (Specified as in Pathology)	Functional
2	Culture Plates/Petri Dishes	Functional
3	Glass wares including Pasteur Pipettes	Functional
4	Facility for heating slides	Functional
(B) General		
5	Anaerobic apparatus	Functional
6	Autoclave	Functional
7	Balance Electronic Digital	Functional
8	Biosafety Cabinet Type -2A	Functional
9	BOD Incubator	Functional
10	Centrifuge	Functional
11	CO2 Incubator/Candle Jar	Functional
12	Computer Unit	Functional
13	Deep Freeze-20C & Deep Freezer	Functional
14	Distilled water Plant	Non-Functional
15	Elisa Reader with washer	Functional
16	Hot Air Oven	Functional
17	Incubator	Functional
18	Lab Refrigerator (minimum 400 litres)	Functional
19	Laminar flow	Functional
20	Micrometre eye pieces	Non-Functional
21	Micrometre Stage	Non-Functional
22	Microscope Binocular	Functional
23	Microscope with universal condenser containing immersion, Bright field, Phase Contract & Dark ground	Non-Functional
24	pH determination apparatus	Functional
25	Serum inspissators	Non-Functional
26	VDRAL shaker	Functional
27	Vortex Mixer	Functional
28	Water bath with variable temperature	Functional
29	Oil-immersion lens for student microscope	Functional
30	Automated Blood Culture System	Non-Functional
31	Colony Counter	Functional
(C) Consumables for Culture and Serological Diagnosis		
32	Antibiotic Discs for Antibiotic susceptibility testing	Functional
33	Antibiotics zone scale	Functional
34	Antisera-Salmonella	Non-Functional
35	Antisera-Shigelladysenteriae	Non-Functional
36	Antisera-Shigellaflexnari	Non-Functional
37	Antisera-Shigellaflexnari	Non-Functional
38	Antisera-Vibrio cholerae	Non-Functional
39	ATCC strain – Enterococcus fecalis 29213	Non-Functional
40	ATCC strain – E.coli 25922	Non-Functional
41	ATCC strain – E.coli 35218	Non-Functional

42	ATCC strain – Pseudomonas aeruginosa 27853	Non-Functional
43	ATCC strain – Staphylococcus aureus 25923	Non-Functional
44	ATCC strain – Staphylococcus aureus 29213	Non-Functional
45	Bottles for blood culture	Functional
46	Micropipettes-Multi channel & Single channel	Functional
47	Digital Thermometers of different temperatures	Functional
(D) BSL 2 Lab		
48	-80 C deep freezer with UPS	Functional
49	Real-time PCR machine calibrated for the fluorophore dyes with UPS (2 nos. 2KVA each, with 3 hours back-up)	Functional
50	Micro centrifuge/ Refrigerated Centrifuge	Functional
51	Personal protective equipment (PPE) Viral Transport Medium (VTM) All other consumables and kits as required for Virology studies	Functional
52	Magnifying glass with metal handle	Non-Functional
53	Metal mincing machine	Non-Functional
54	Post-mortem instrument sets complete	Non-Functional
55	Suction pumps	Non-Functional
56	Filtering apparatus Seitz	Functional
57	Filter and Millipore filter each	Non-Functional
58	Desiccators	Non-Functional
59	Vacuum Dessicators	Non-Functional
60	Apron plastic for post-mortem	Non-Functional
61	Apron rubber for post-mortem	Non-Functional
62	Lyophilizer	Non-Functional
63	Thermal Cyler	Functional
64	U.V Trans illuminator with photography	Non-Functional
65	Colony counter	Functional
66	Cold room-4 degree Celsius	Non-Functional
67	BACTEC system	Non-Functional
68	Phase contrast Microscope	Non-Functional
69	Vortex mixer	Functional
70	Electronic Balance	Functional
71	Microfuge	Non-Functional
72	Ultra-centrifuge	Non-Functional
73	Fluorescent Microscope	Non-Functional




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2) DEPARTMENT OF BIOCHEMISTRY

Sr.No	NAME OF THE ITEMS (Quantity may be procured at the discretion of the department as per requirement)	Status
1	Analytical Balance : up to 200 g' 1gm increment	Functional
2	Urinometers calibrated (Mercury based instruments to be replaced with other alternatives)	Functional
3	Hot air oven (More than 200 litres)	Functional
4	Digital Colorimeters	Functional
5	Student Microscopes	Functional
6	Glucometer with strips (For POCT)	Non-Functional
7	Thermometer 0-250 degree Celsius	Functional
8	Semi autoanalyzer	Functional
9	Boiling Water baths	Functional
10	Constant temperature water bath Tank Capacity: (Temperature range 5 to 80 degree Celsius)	Functional
11	Centrifuge clinical for ≥ 8 tubes	Functional
12	pH meters of wide range digital	Functional
13	Fixed volume pipettes—1 ml, 0.5ml, 0.2ml, 0.1ml and 0.02ml	Functional
14	Bottle dispensers	Functional
15	Variable and fixed volume micro auto pipettes	Functional
16	Vacutainer Tube	Non-Functional
17	PCR Machine (either in the institution or elsewhere on a visit)	Non-Functional
18	ABG Machine	Functional
19	Autoanalyzer (either in the institution or elsewhere on a visit)	Functional
20	Complete Chromatographic Unit for paper & TLC (either in the institution or elsewhere on a visit)	Functional
21	Complete Electrophoresis apparatus with power supply (Paper, PAGE, agarose) (Either in the institution or elsewhere on a visit)	Functional
22	Densitometer with computer	Non-Functional
23	Vortex mixers	Functional
24	Incubator 37°C	Functional
25	Fume cupboard	Functional
26	Digital Analytical Balance	Functional
27	Balance Micro	Non-Functional
28	Spectrophotometer	Non-Functional
29	PCR machine (either in the institution or elsewhere on a visit)	Non-Functional
30	ELISA Reader and washer	Non-Functional
31	Urine strips for Glucose & Protein	Non-Functional
32	ISE analyser	Functional
33	Refrigerators (Minimum-400 Ltrs capacity)	Functional

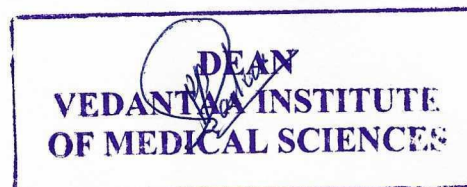
Note: Equipment's for student demonstration may be shared by the department to prevent duplication and make cost effective.


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3) DEPARTMENT OF PATHOLOGY (for demonstration)

7. Cytopathology section		Status
•	Cytospin	Non-Functional
•	Auto stainer	Non-Functional
•	Facilities for liquid-based cytology	Non-Functional
8. Hematology section		
•	Electrophoresis apparatus	Non-Functional
•	HPLC	Functional
•	Flow cytometry Desirable	Non-Functional
9. IHC		
•	Immuno fluorescence Microscope	Non-Functional
10. Molecular Diagnostic		
•	Conventional PCR	Non-Functional
•	Real Time PCR	Non-Functional

Sr.No	NAME OF THE ITEMS (Quantity may be procured at the discretion of the department as per requirement)	Status
(A)	General	
I	Histopathology/ Cytopathology for Students	
1	For Students – LED Binocular with Scanner, 10X, 40X, & Oil immersion lenses and inbuilt Battery backup power source	Non-Functional
II	Hematology for Students	
2	Stop watch reading at 1/5 second	Non-Functional
3	Haemo-cytometers with red and white pipettes	Non-Functional
4	Staining jars for slides.	Non-Functional
III	Clinical Pathology for Students	
1	Urinometers (Mercury based instruments to be replaced with other alternatives)	Non-Functional
2	Centrifuge tubes graduated	Functional
3	Graduated cylinders for various capacities ranging from 100cc to 1000cc. (For Students)	Non-Functional
4	Pipettes of various size with disposal tips. (For Students)	Non-Functional
5	Reagent bottles (For Students)	Non-Functional
6	Dropping bottles (For Students)	Non-Functional
7	Reagents (For Students)	Non-Functional
(B)	Morbid Histology and Morbid Anatomy	
1	Manual Rotary Microtome	Non-Functional
2	Automated Rotary Microtome	Non-Functional



3	Cryostat	Functional
4	Hot plate	Functional
5	Paraffin embedding bath	Functional
6	Heated Paraffin Embedding Module	Functional
7	Cold Plate for Modular Tissue Embedding System	Functional
8	Automated Tissue Processor Histokinette	Functional
9	Autoclave	Non-Functional
10	Ultrapure water solutions – Distilled water plant	Non-Functional
11	Water bath	Functional
12	Centrifuge machine	Non-Functional
13	Digital SLR at least 20 megapixel with micro, macro, wide angle zoom lenses, Flash and other accessories	Non-Functional
14	Digital Automatic camera \geq 5 megapixel	Non-Functional
15	Fully Automated high throughput Multi-Stainer Workstation	Non-Functional
16	Fully Automated Embedding System (Heated embedding module & cold plate) (desirable)	Non-Functional
17	Fully Automated Flexible Cover slipping Workstation (aspirational)	Non-Functional
18	Standalone paraffin dispensing module cold plate holding more than 100 cassettes	Non-Functional
19	Standalone cold plate	Non-Functional
20	Single Pan Digital Balance, Chemical	Non-Functional
21	Balance chemical with weights	Non-Functional
22	Microscopes	Non-Functional
23	Grossing Station – Stainless steel, with Control panel air filtration system. Track mounted adjustable computer arm with articulation. LED lights that are color and intensity. Dedicated USB ports for camera control and data transfer adjustable, Integrated pathology cameras system, Instrument Set (High quality) Height Adjustable Stainless Steel Chairs with Split AC of appropriate capacity.	Non-Functional
24	Fully Automated Immuno-histo-chemistry Setup with Continuous supply of Important Antibodies. Lymphoma Panel etc. (for Post graduate training)	Non-Functional
(C)	Hematology Lab : For demonstration	
25	Five part Fully Automated Cell Counter	Functional
26	Three Part Fully Automated Cell Counter	Functional
27	Coagulometer (Fully automated)	Functional


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