

DEPARTMENT OF PATHOLOGY & MICROBIOLOGY				VERIFIED
Space for teachers and supporting staff, demonstration room, laboratories, museum and departmental library-175 sq. mtr.				
Details of items of Equipment etc available as per NCH(MES) Regulations				
S. No	Items	Required	Available in number	
1.	Hot air oven (50 ^o c) for special standing	1	01	Yes
2.	Centrifuge machine electric roto fix	2	02	Yes
3.	Water bath, electric	4	04	Yes
4.	Glass ware	As required	Available	Yes
5.	Beaker 100 ml	30 pcs	30	Yes
6.	Glass cylinder 100 ml	30 pcs	30	Yes
7.	Test tubes (6`× ½ ")	100 pcs	100	Yes
8.	Test tubes (4"× ½)"	100 pcs	100	Yes
9.	Glass rods (1 feet)	30 pcs	30	Yes
10.	10. Glass slides (microscopy)	200 pcs	200	Yes
11.	Glass cover slip	300 pcs	300	Yes
12.	Glass dropper	30 pcs	30	Yes
13.	Conical flask	15 pcs	15	Yes
14. A	Stains:-	As Required	Available	Yes
	Leishman stain			
	Buffer solution			
	Deionized water			
B	Gram stain:-	As Required	Available	Yes
	Crystal violet			
	Gram's iodine			
	Acetone			
	Safranin			
C	Ziehl-nelsen stain:-	As Required	Available	Yes
	Carbol -fuchsin			
	Concentrated sulphuric acid			
	Methylene blue			
D	Heat & acetic acid test:- For presence of albumin in urine	As Required	Available	Yes
	96;% glacial acetic acid			
	Deionized water			
E	Benedict’s qualitative test:- For presence of sugar in urine	As Required	Available	Yes
	benedict's qualitative reagent			
F	Rothera’s test:- For presence of ketone bodies in urine.	As Required	Available	Yes
	Ammonium sulphate			
	Sodium nitroprusside			
	Liquor ammonia			
G	Total WBC count:-	As Required	Available	Yes
	WBC diluting fluid		Available	Yes
H	Total RBC count	As Required	Available	Yes

	RBC diluting fluid				
I	Hemoglobin estimation by colorimeter		As Required	Available	Yes
J	Drabkin,' s solution		As Required	Available	Yes
K	Hb standard		As Required	Available	Yes
L	N /10 hydrochloric acid (HCL) by acid		As Required	Available	Yes
M	haematin method by sahli's haemoglobinometer		As Required	Available	Yes
15.	Blood grouping reagent anti a , anti b , anti d :		As required	Available	Yes
16.	For stool test for ova , parasite , cyst Lugol"s iodine		As required	NA	NA
17.	Material for preparing media:-		As required	Available	Yes
	Nutrient agar media;				
	Macconkey's media				
	Lowenstein jensen media (LJ media);				
	Sterile petri dish (glass or plastic);				
	Nichrome wire loop holder;				
	Deionized water.				
18.	Materials required for histopathology :				
	Mechanical rotary microtome		01		
	Hot air oven		01	01	Yes
	Water bath		01	01	Yes
	Chemicals:	Acetone	As Required	Available	Yes
		2-propanol		Available	Yes
		Xylene		Available	Yes
		Dpxmountant		Available	Yes
		Formaldehyde 37%		Available	Yes
		Glycerol		Available	Yes
		Formic acid 85%		Available	Yes
		Papanicolaou solution		Available	Yes
		Methylene blue		Available	Yes
	Cover glass slip : 22× 22mm /18×18 mm	Slide box	As Required	Available	Yes
		Dropping bottle		Available	Yes
		Diamond pencil		Available	Yes
		L mould		Available	Yes
		Cassette		Available	Yes
		Haematoxylin& eosin stain (h&e): powder		Available	Yes
		Hcl 35% : 500ml		Available	Yes
		Nitric acid : 500ml		Available	Yes
		Slides		Available	Yes
		Small forceps (tooth and without tooth) :		Available	Yes

		Steel scale		Available	Yes
		Scissors		Available	Yes
		Glass jar		Available	Yes
19.	Incubator		2	2	Yes
20.	Haemocytometer with RBC and WBC pipettes		25	27	Yes
21.	Sahli's haemoglobinometer		25	27	Yes
22.	Autoclave		2	2	Yes
23.	Anaerobic apparatus		2	2	Yes
24.	Stopwatch ½ sec		2	4	Yes
25.	Ph meter		1	1	Yes
26.	Microscopes with oil immersion lens, movable stage and condenser		45	45	Yes
27.	High power centrifuge for serological/haematological work		1	1	Yes
28.	Westergren's pipette for Erythrocyte sedimentation rate estimation		10	10	Yes
29.	Wintrobe haematocrit tube for Erythrocyte sedimentation rate and packed cell volume		10	10	Yes
30.	Colony counter		1	01	Yes
31.	Coplin jars		02	02	Yes
32.	Computer with accessories		01	01	Yes
33.	Colorimeter and auto analyzer		01	01	Yes
34.	Elisa reader for serological test		01	01	Yes
35.	Pathological specimens		25	01	Yes
36.	Urinometer (other than mercury)		02	01	Yes
37.	Teaching Staff				
	Professor		01	01	
	Associate Professor		01	-	
	Assistant Professor		01	-	
38.	Non-Teaching Staff				
	Lab technician		01	Available	Yes
	Lab attendant		01	Available	Yes
	Multi-tasking staff		01	Available	Yes
39.	Requirements in Museum				
	Histopathology slides		25	Available	Yes
	Models		20	Available	Yes