

DEPARTMENT OF PHYSIOLOGY & BIOCHEMISTRY

BUILTUP AREA REQUIREMENT

Sr. No.	Particulars	Built up Area			
		Required Area (In sq. mt.)	Existing Area (In sq. mt.)	Required Area (In sq. ft.)	Existing Area (In sq. ft.)
1	Physiology Department room - HOD Room		11.96		128.79
2	Separate Laboratory for Physiology		57.7		618.7
3	Separate Laboratory for Biochemistry		52.28		562.64
4	Museum and Demonstration Room		57.7		618.7
5	Total	90	179.64	968.4	1928.83

DEPARTMENT OF PHYSIOLOGY & BIOCHEMISTRY

LIST OF EQUIPMENTS AS PER MSR

Sr. No	Items	Required	Available
1	Physiology		
1	Medical Microscope	25	25
2	Equipment for ESR estimation/ Westergren's pipette for ESR on stand	25 (with spare pipettes)	30
3	Haematocrit tubes	30 (with spares)	38
4	Auto Analyzer or Semi Auto Analyzer	01	02
5	Haemoglobinometer (Sahli)	25(with spare)	34
6	Haemocytometer	25(with spare)	35
7	Sphygmomanometer	25	25
8	Stethoscope	25	25
9	Clinical thermometer (Digital)	25	25
10	Knee hammer	25	25
11	Tuning forks to test hearing (32-10000 hzs)	01 set	01 set
12	Stethographs or pneumographs	05	05
13	Electrocardiograph (ECG Machine)	01	01
14	Electronic Stop Watches (1/10 sec.)	04	04
15	Glass Distillation (double) apparatus	01	01
16	Centrifuge (Medium speed)	02	02
17	Colorimeter (photo electric)	02	02
18	pH Meter (electric)	02	02
19	Colour perception lantern (Edridge Green)	01	02
20	Incubator	01	01
21	Educational CD	As required	04
*	DVD	As required	01
	Films – Transparence	As required	20

		Slides-	As required	100
		Models	As required	06
		Audio Visual Aids – OHP, Slide projector, LCD Projector	As required	03
	22	Perimeter	03	03
	23	Spirometer	01	01
	24	Tonometer	01	01
	25	Handgrip dynamometer	01	01
	26	Bicycle Ergometer	01	01
	Facility for Animal Experiments demonstration with the help of Audio-visual Aids.			Av Aids available
2	Number of additional items available – Computer – 01, Power Points – 25, Chemical for Haematology Practical – 11, specimen - 03			Available
Biochemistry				
3	1	Electronic/Monopan Balance	01	01
	2	Centrifuge	01	01
	3	Balance, chemical/ordinary	02	02
	4	Water baths	02	02
	5	Urinometer	25	25
	6	Hydrometer (0.700 to 1.00)	02	04
	7	Albuminometers	10	10
	8	Glucometer	10	10
	9	Thermometer	10	10
	10	Colorimeter	01	01
	11	Hot air oven 14”x14”x14” (Electric)	01	01
	12	Double Distillation apparatus Glass	01	01
	13	Centrifuge, medium speed, electric	01	01
	14	Glass ware like	As required	
		Pipette		24
		Beakers		36

		Burettes		06
		Wire gouge with asbestos	As required	12
		Centre hot plate	As required	01
		Stove	As required	06
		Syringes	As required	25
		Burners	As required	20
		Rubber tubing	As required	Sufficient – 10 feet
		Stands clamps	As required	06
		Flask	As required	13
	15	pH meter	01	01
4	Number of additional items available – Test Tube – 150, Test Tube stand – 24, Test Tube Holder – 24, Glass bottles for chemicals – 54, Chemicals - 46			Available
5	Total number of Charts			56
6	Whether the laboratories for Physiology & Biochemistry are separate			yes