



Departmental Teaching Staff

- ***Professor & H.O.D.*** :- Dr. Gholap Kamlesh Vijay
- ***Associate Prof.*** :- Dr. Rodrigues Amrita Lawrence
- ***Assistant Prof.*** :- Dr. Riddhi K. Nagda
- ***Assistant Prof.*** :- Dr. Murkute Samiksha S.

Departmental Non -Teaching Staff

- ***Laboratory Attendant*** :- Mrs. Prachi Shitole
- ***Laboratory Technician*** :- Ms. Nimse Shweta Ramdas
- ***Multi- Tasking Staff*** :- Mr. Chaugule Ganesh

AREA STATEMENT (SIZE)

S. No.	Items	NCH Requirement	Available	Room No	Location	Remark
1	HOD Room	175 sq.mt.	25.5 sq.mt.	505	Building No.2 First Floor	
2	Laboratories for Physiology.		50.92 sq.mt.	506	Building No.2 First Floor	
3	Laboratory for Biochemistry.		54.64 sq.mt.	506 A	Building No.2 First Floor	
4	Museum cum Demonstration Room		23.68 sq.mt.	506 B	Building No.2 First Floor	
Total Area			154.75 sq.mt			





List of equipment required for physiology lab

S. No.	Name of the article	NCH Requirement	Available	Remark
1	Medical microscope with oil immersion	25	25	
2	Equipment for Erythrocyte sedimentation rate estimation or westergren's pipette for Erythrocyte sedimentation rate on stand	25 (with spare pipettes)	25	
3	Haematocrit tubes	35	35	
4	Sahli's haemoglobinometer	35	35	
5	Haemocytometer	25	35	
6	Sphygmomanometer	25	25	
7	Stethoscope	25	25	
8	Clinical thermometer (digital or mercury)	25	50	
9	Knee hammer	25	25	
10	Tuning forks to test hearing (32-10000 hzs)	1 set	4 set	
11	Electrocardiograph (ECG machine)	1	1	
12	Electronic stop watches 1/10 sec.	4	4	
13	Glass distillation (double) apparatus	1	1	
14	Centrifuge	1	1	
15	Colorimeter (photo electric)	2	2	
16	Ph meter electric	2	2	
17	Color perception lantern (edridge green)	1	1	
18	Educational compact disc, digital video disc, films, slides, models with audio visual aids	As required	Available	
19	Perimeter	1	1	
20	Spirometer	1	1	
21	Tonometer	1	1	
22	Handgrip dynamometer	1	1	
23	Bicycle ergometer	1	1	



**DEPARTMENT OF PHYSIOLOGY****Requirements for biochemistry**

S. No.	Items	NCH Requirement	Available	Remark
1	Electronic or monopan balance	1	1	
2	Centrifuge	1	1	
3	Balance, chemical or ordinary	1	1	
4	Water baths	1	1	
5	Urinometer	25	25	
6	Chemicals:	As required	102	
	(a) Iodine			
	(b) Ammonium oxalate			
	(c) Barium chloride			
	(d) Silver nitrate			
	(e) Sodium hydroxide			
	(f) Mercuric sulphate			
(g) Salicylic acid				
7	Hydrometer (0.700 to 1.00)	2	2	
8	Albuminometers	10	10	
9	Glucometer	10	10	
10	Thermometer	10	10	
11	Colorimeter	1	1	
12	Hot air oven 14 x14 x14 (electric)	1	1	
13	Glass ware like pipette, beakers, burettes, wire gouge with asbestos, center hot plate, stove, syringes, burners, rubber tubing stands clamps, flash etc.	As required	231	
14	Ph (Potential of hydrogen) meter	1	2	
15	Binocular research microscope	2	2	
16	Stethoscope: demonstration with multiple pieces	2	25	
17	Ophthalmoscope	1	1	
18	Otorhinolaryngoscope	1	1	
19	Revolving stools, metal	45	60	
20	Register's		20	
21	Book's		55	
22	Models		09	
23	Charts		109	
24	Furniture		61	

Note : Instrument Requiring calibration will be done after every 5 years.



**DEPARTMENT OF PHYSIOLOGY**

List of Chemical

Total -102

Sr No.	Chemical List	Qty
1	Acetic Acid Glacial (500ml)	2
2	Ammonium Sulphate Solution (500ml)	1
3	Ammonium Sulphate(500gm)	1
4	Ammonium Ferrous Sulphate (500gm)	1
5	Acetone (500ml)	2
6	Ammonia Solution (500ml)	2
7	Ammonia Molybdate (100gm)	1
8	Ammonia Oxalate (500gm)	2
9	Ammonium Oxalate Solution (500ml)	1
10	Barfoed's Reagent (500ml)	1
11	Benedict's Reagent(Quantitative) (500ml)	1
12	Barium Chloride (500gm)	1
13	Benzoic Acid (500gm)	1
14	Boric Acid(500gm)	1
15	Barium Chloride Solution (500ml)	1
16	Benzene(500ml)	1
17	Benedict's Reagent(Qualitative) (500ml)	1
18	Beta-Naphthol(500gm)	1
19	Copper Sulphate(500gm)	2
20	Calcium Sulphate(500gm)	1
21	Chlorine Water(500ml)	1
22	Copper Sulphate Solution(500ml)	1
23	Cadmium Nitrate(100gm)	2
24	Cadmium Chloride(500gm)	2
25	Copper(metal)Turning(500gm)	2
26	Dextrine Powder(500gm)	1
27	D-Fructose(500gm)	1
28	2,4-Dinitro Phenylhydrazine(100gm)	1
29	Ethanol(500ml)	1
30	Ethylene Diamine Tetra Acetic Acid(100gm)	1
31	Esbatch's Reagent(500ml)	1
32	Fehlings Solution A (500ml)	2
33	Fehlings Solution B(500ml)	2
34	Formaline(500ml)	1
35	Ferrous Ammonium Sulphate (500gm)	1



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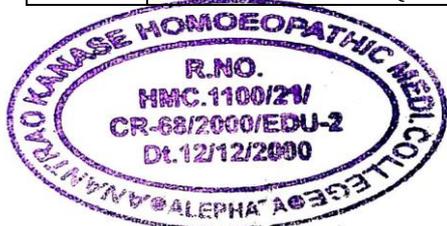


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Sr No.	Chemical List	Qty
36	Formaldehyde(500ml)	1
37	Ferric Chloride(10%) (500ml)	1
38	Gelatin Powder (100gm)	1
39	Glucose Powder(500gm)	1
40	Hydrogen Peroxide(500ml)	1
41	Iodine Solution (10%) (100ml)	1
42	Liquid Paraffin (heavy)(500ml)	1
43	Lead Acetate(500gm)	1
44	Leishman's Stain Solution(500ml)	1
45	Methyl Red Solution(125ml)	1
46	Million's Reagent(100ml)	2
47	Magnesium Sulphate(500gm)	1
48	Maltose Powder(500gm)	1
49	Molish Reagent Indicator(500ml)	1
50	Methylene Blue Solution(100ml)	1
51	Nitric Acid(500ml)	2
52	Nessler's Reagent(100ml)	1
53	Nylender's Reagent(500ml)	1
54	Oxalic Acid(500gm)	1
55	Picric Acid Solution(500ml)	2
56	Phenolphthalin Indicator Solution(500ml)	1
57	Potassium Oxalate(500gm)	2
58	Phenol Red Solution(500ml)	1
59	Potassium Ferricyanide(100gm)	2
60	Potassium Chloride(500gm)	1
61	Potassium Ferricyanide Solution(N/10)(100ml+500ml)	2
62	Sodium Nitroprusside(70gm)	1
63	Sodium Bicarbonate(500gm)	1
64	Sodium Sulphate(500gm)	1
65	Sodium Bromide(500gm)	1
66	Salicylic Acid(500gm)	1
67	Sulphuric Acid Solution(20%) (500ml)	1
68	Sulphur Powder(500gm)	2
69	Sodium Hydroxide Solution(500ml)	3
70	Sodium Hydroxide Flakes(500gm)	1
71	Sodium Nitrate(500gm)	1
72	Sodium Carbonate(500gm)	1



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Sr No.	Chemical List	Qty
73	Sodium Molybdate(100gm)	1
74	Sucrose Crystals(500gm)	1
75	Sulphuric Acid(500ml)	1
76	Sulphosalicylic Acid Solution(500ml)	1
77	Seliwanoff's Reagent(500ml)	1
78	Starch Powder(500gm)	1
79	Satranine Solution(100ml)	1
80	Sodium Sulphate (Anhydrous) (500gm)	1
81	Tri-Sodium Citrate(500gm)	1
82	Universal Indicator Solution(500ml)	1
83	Xylene(500ml)	1

List of Departmental Registers

Total- 20

Sr. No.	Name of Register
1	Advance Teaching plan
2	Attendance Register [Theory]
3	Attendance Register [Practical]
4	Daily work done Register [Theory]
5	Daily work done Register [Practical]
6	Dead stock consumable/Non consumable Register- Hematology
7	Dead stock consumable/Non consumable Register- Biochemistry
8	Chemical Utilization/Drug substance utilization Register
9	Consumable Register
10	Utilization Register- Hematology (Instrument)
11	Departmental Monthly planner- Register
12	Monthly Teaching Plan
13	Departmental Library and Departmental Issue Register
14	Breakage Register
15	Seminar Register
16	Tutorial Register
17	Internal Exam Record Book[Term End/Prelim]
18	MUHS Exam [Failure Record] / slow Learner record
19	Inter Departmental Register
20	Chemical Scrap Register



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**DEPARTMENT OF PHYSIOLOGY**

List of Departmental Library

Books Total- 39

Sr. No.	Name of the Book	Name of the Author	Quantity
1	Kapoor's Guide for General Practitioners	Dr. O.P. Kapoor	1
2	Kapoor's Guide for General Practitioners Part-1	Dr. O.P. Kapoor	1
3	Kapoor's Guide for General Practitioners Part-2	Dr. O.P. Kapoor	1
4	Kapoor's Guide for General Practitioners Part-3	Dr. O.P. Kapoor	1
5	In Page Cardiology Vol II	Dr. Rajnish Prasad	1
6	Experimental Physiology Vol II	Dr. S.R. Apate	1
7	Textbook of Biochemistry 5th Edition	Dr. AVSS Rama Rao	1
8	Standardization Part 1	Dr. M.L. Dhawale	1
9	Standardization Part 2	Dr. M.L. Dhawale	1
10	Standardization Part 3	Dr. M.L. Dhawale	1
11	Current opinion in Lipidology	Dr. Dr. Scott M. Grundy	1
12	Essentials of medical physiology 2nd edition	Dr. K. Sembulingam	1
13	Laboratory Journal	D.S.H.M.C. Pune	1
14	Short Practice of Surgery 26th edition	Balley & Loves	1
15	Clinical Sonography	Dr. Roger C. Sander	1
16	Primary Surgery Vol I	Dr. Mourice King	1
17	Clinical Surgery	Dr. K. Das	1
18	Davidson's principal of Medicines 21st edition	Dr. Nidu R. Colledge	1
19	Medicine 4th edition	Dr. K. George Mathew	1
20	Macleod's Clinical examination	Dr. Graham Douglas	1
21	Practical Medicine	Dr. P.J. Mehta	1
22	Essentials Pediatrics 3rd edition	Dr. O.P. Ghai	1
23	Essentials Pediatrics 4th edition	Dr. O.P. Ghal	1
24	Atlas of Human Anatomy 7th edition	Dr. Frank H. Netter	1
25	Human Anatomy Vol 3	Dr. B.D. Chaurasia	1
26	Human Anatomy Vol 4	Dr. B.D. Chaurasia	1
27	Cunningham's Manual of practical Anatomy Vol I	Dr. G.J. Romanes	1
28	Cunningham's Manual of practical Anatomy Vol II	Dr. G.J. Romanes	1
29	Medical Physiology	Dr. Gutton & Hall	1
30	Fundamental of Medical Physiology Vol 1	Dr. L.P. Reddy	1
31	Fundamental of Medical Physiology Vol II	Dr. L.P. Reddy	1
32	Human Physiology 14th edition Vol 1	Dr. C.C. Chatterjee	1
33	Human Physiology 14th edition Vol 2	Dr. C.C. Chatterjee	1



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Sr. No.	Name of the Book	Name of the Author	Quantity
34	The art of case taking & Practical Repertorization In Homoeopathy 6th Edition	Dr. Ramanlal Patel	1
35	Best of Burnett	Dr. Dr. H.L. Chitkara	1
36	Materia Medica of Homoeopathic Medicine	Dr. S.R. Pathak.	1
37	The Soul of Remedies	Dr. Rajan Shankaran	1
38	The principal & art of cure by Homoeopathy	Dr. Herbert A. Robert	1
39	From Similia to Synergy	Dr. Rajan Shankaran	1
		Total	39

Departmental E-Museum Record

Sr. No	Batch
1	2018-2019
2	2021-2022
3	2022-2023
4	2024-2025
5	2025-2026

List of Models

Total - 09

Sr. No	Name Of Model
1	Transport of O ₂
2	Structure of Neuron
3	Structure of Neuron
4	Reflex Arc
5	Structure of Ear
6	Internal Structure of heart
7	Internal Structure of kidney
8	Hepatic lobule
9	Sympathetic and parasympathetic Nerve supply to organ



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List of Charts Name Of Chart

Total -109

Sr.No.	Name Of Chart
1	Anatomy of Neuron
2	Classification of Neuron
3	Pituitary Gland
4	Hypothalamus + Pituitary Gland
5	Structure of Liver
6	Difference between Asphyxia and Hypoxia
7	Acidosis and Alkalosis
8	Transverse section of Adrenal Gland
9	Cerebral cortex
10	Lungs
11	Female Reproductive system
12	Quadrants of Abdomen
13	Structure of Neuron
14	Anterior view of Liver
15	The Cardiac Cycle
16	Structure of Nephron
17	Human Endocrine Gland
18	Human Heart
19	Fasciculus Gracilis
20	Fleschsig's and Gower's Tract
21	Uncrossed Cortico-Bulbar Tract
22	Pyramidal corticospinal Tract
23	Pyramidal Tract
24	Lateral Spinothalamic Tract
25	Anterior - Spinothalamic Tract
26	Spermatogenesis
27	Regulation of Respiration
28	Lipids
29	Carbohydrates
30	Proteins
31	Hormones during Menstrual cycle
32	Visual Pathway
33	Metabolism
34	Hematopoiesis
35	Coagulation Of Blood
36	Pathways of Coagulation of Blood
37	MCV
38	Anemia Workup- MCV



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Sr.No.	Name Of Chart
39	Symptoms Of Anemia
40	Incubator
41	Hot Air Oven
42	Snellen's Chart
43	ANS
44	Type of Blood Groups
45	ABO Blood Group system
46	Human Ovary
47	Human Skin
48	Human Sperm
49	Blood Indices
50	Cardiac Cycle
51	ANS
52	Layer Of Retina
53	Respiratory System
54	Structure of Platelets
55	Hormones of Anterior pituitary
56	Extra- Pyramidal Tracts
57	Hand Dynamometer
58	PH meter
59	Bicycle Ergometer
60	Tonometer
61	Stethograph/ Pneumograpgh
62	Urinometer
63	Hydrometer
64	Albuminometer Tube
65	Perimeter
66	Color Perception lantern
67	Spirometer
68	Photoelectric Calorimeter
69	Centrifuge
70	Water Bath
71	Autoanaylser
72	Double distillation Glass Apparatus
73	Platelet Formation
74	Neuron
75	Renin Angiotensin system
76	Components of Blood
77	Deficiencies



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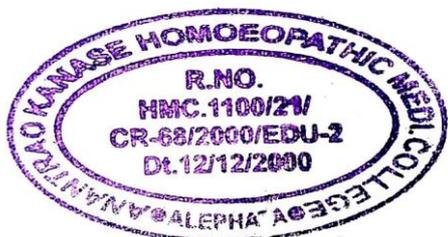


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Sr.No.	Name Of Chart
78	Neuron Anatomy
79	Anemia Workup - MCV
80	Sympathetic and Parasympathetic Nerve Fibers
81	Cardiac Cycle
82	Steps of Cardiac Cycle
83	Clot Formation
84	Coagulation Of Blood
85	Coagulation Pathway
86	Relationship between blood types and antibodies
87	Blood group
88	Regulation of BP
89	ABO Blood group System
90	Neuron classification
91	Digestive system
92	Menstrual cycle
93	Cardiac cycle
94	Hypothalamus + pituitary gland
95	Structure of eye ball
96	Hormones Of Anterior pituitary
97	Spermatogenesis
98	Trans -pulmonary pressure
99	Role of carotid and aortic body in regulation of respiration
100	Erythropoiesis
101	Visual pathway
102	12 Cranial Nerves
103	Regulation of Normal Body temperature
104	Lesion of Visual Pathway
105	Function of Calcium
106	Errors of Refraction
107	Sources of Vitamin A
108	Sources of Vitamin C
109	Spermatogenesis
110	Taste Bud



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DEPARTMENT OF PHYSIOLOGY

DEPARTMENT OF PHYSIOLOGY INCLUDING BIOCHEMISTRY

DETAILS OF FURNITURE- HOD ROOM

Sr. No.	Name of Item	Total Nos.
1	Office Table	2
2	Rolling Chairs	1
3	Non Rolling Chairs	1
4	Ceiling Fan	1
5	Cupboard	4
6	Tube light	2
7	Rack	2

DEPARTMENT OF PHYSIOLOGY INCLUDING BIOCHEMISTRY

DETAILS OF FURNITURE- LABROTORIES

Sr. No.	Name of Item	Total Nos.
1	Office Table	2
2	Ceiling Fan	1
3	Tube Light	4
4	Wooden Rack	10
5	Non Rolling Chairs	1
6	Stools	30




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