



श्री होमोपैथिक मेडिकल कॉलेज व नैयानंद हॉस्पिटल

(Approved by C.C.H., New Delhi, Recog. by State Govt. of Maharashtra, Affiliated to M.U.H.S. Nasik.)

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Ref No. JMT / SHMC /

Date : / /

College Name	Sai Homoeopathy Medical College	
Department Name	Physiology Including Biochemistry	
Area Of Department :-	132.25sq. Mt	
Faculty List		
Sr. No.	Name Of Teacher	Designation
1	Dr. Dilip Sonawane	Associate Professor
2	Dr. Savita Sahani	Assistant Professor
3	Dr. C.B.Gandhe	Guest Professor

Department Area

Sr. No.	Area	As Per Msr	College
	Total Area	90 Sq.Mt	132.25 Sq.Mt
1	Department Room	Available	
2	Physiology Lab / Biochemistry Lab	Available	
3	Museum And Demonstration Room	Available	
4	Equipment As Specified In Schedule Iii Of Msr	Available	

Distribution of Lectures & Demonstration 1st Year

Sr. No.	Name Of The Staff	Lectures	Demonstration	Total
1	Dr. Dilip Sonawane	49	30	79
2	Dr. Savita Sahani	75	20	95
3	Dr. C.B.Gandhe	00	00	00



Savita Sahani
PRINCIPAL

SAI HOMOEOPATHIC MEDICAL COLLEGE
Dugadphata, Tal. Bhiwandi, Dist. Thane (M.S.) Pin-421302

List of Charts

Sr.No.	Name	Quantity
1	Clotting Mechanism	1
2	Muscle Physiology	1
3	Human Physiology [Circulation Of Blood]	1
4	Human Physiology [Structure Of Ear]	1
5	Muscle Physiology	1
6	Neuro Muscular Junction	1
7	Structure Of Cell	1
8	Structure Of Heart	1
9	Formation Of Bile From Liver	1
10	Osmolar Substance Inter Cellular & Extra Cellular	1
11	Muscular Skeletal	1
12	Olfactory Pathway	1
13	Respiratory System Unit	1
14	Endocrine System In Human	1
15	Human Body	1
16	Muscle Physiology	1
17	Respiratory System	1
18	Human Digestive System	1
19	Visual Pathway	1
20	Starling Hypothesis	1
21	Structure Of Ear	1
22	Visual Pathway	1
23	Action Potential	1
24	Human Physiology [Kidney, Skin, Hair, Excretory Organ]	1
25	Cardiac Cycle & Heart Sound	1
26	Immune	1
27	Bilirubin Metabolism	1
28	Cells Of The Immune System	1
29	Structure Of Skin	1
30	Skeletal Muscle	1
31	Pyramidal Tracts	1
32	Cells Of Immune System	1
33	Structure Of Generalized Cell	1
34	Formation Of Tissue Fluid	1
35	Chemical Regulation Of R.S	1
36	Cell Structure	1
37	Structure Of Neuromuscular Junction	1
38	Cells Of Immune System	1
39	Neuromuscular Junction	1
40	Human Digestive System	1
41	Structure Of Skin	1



42	Components Of Ear	1
43	Hormones Secretion Glands & Cells	1
44	Lymphatic System	1
45	Nervous System	1
46	Heart	1
47	Skin & Hair	1
48	Respiratory System	1
49	Structure Of Eye	1
50	Heart Beats	1
51	Teeth & Gums	1
52	Human Body	1
53	Glycolysis	1
54	Krebs Cycle	1
55	Amino Acid & Classification	1
56	Balance Diet	1
57	Protein Metabolism	1
58	Lipid Metabolism	1

List of Models

Sr.No.	Name	Quantity
1	Eye	1
2	Teeth	1
3	Kidney	1
4	Spleen	1
5	Liver	1
6	Stomach	1
7	Tongue	1
8	Human Excretory System	1
9	Human Eye	1
10	Human Liver	1
11	Human Kidney	1
12	Human Neck With Muscle	1
13	Human Reproductive System -Male	1
14	Human Reproductive System- Female	1
15	Human Skin	1
16	Human Body	1

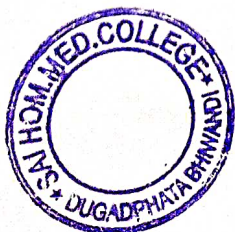


List of Department Books:-

Sr.No	Name Of Books	Author	Quantity
1	Textbook Of Biochemistry(6 th Edition)	A.V.S.S Rama Rao	1
2	Handbook Of Human Physiology(7 th Edition)	Vidya Ratan	1
3	Human Physiology	Dr C.C Chaterjee	2
4	Fundamental Of Biochemistry	Dr A.C Deb	1
5	Practical Physiology	Dr Smt Vijaya And Dr Joshi	1
6	Principle Of Anatomy And Physiology(12 th Edition)	J Tortora Boyan &H.Dericksen	1
7	Textbook Of Medical Physiology(11 th Editon)	Guyton &Hall	1
8	Samson Wright Applied Physiology(13 th Edition)	Cyril Aericeuil & Norman Joel	1
9	Textbook Of Medical Physiology	Sambulingum	1
10	Textbook Of Medical Physiology(9 th Edition)	Guyton & Hall	1
11	Textbook Of Medical Physiology	Sujit K Choudhari	1

List of Graphs:-

Sr.No	Graphs Names	Quantity
1.	Effect Of Two Successive Stimuli (After Relaxation Phase)	1
2.	Compound Action Potential	1
3.	Effects Of Two Successive Stimuli (During Contraction Phases)	1
4.	Effect Of Vagus& Descent Stimuli	1
5.	Oxygen Dissociation Curve	1
6.	Genesis Of Tetany (5 Stimulus)	1
7.	Perfusion Of Isolated Frog's Heart & Effect Of Ions	1
8.	Vagus Escape	1
9.	Effect Of Nicotine On Frog's Heart	1
10.	Effect Of Vagusstanniusligalateral On The Frog Heart	1
11.	Nontenizing Property	1
12.	Effect Of Free Loading	1
13.	Effect Of Acetylcholine On Frog Heart	1
14.	Muscular Fatigue	1
15.	Staircase Phenoneman	1



16.	Starting 'S Law	1
17.	Effect Of Two Successive Stimuli (Simple Curve)	1
18.	Property Of All & None Law	1
19.	Effect Of After Loading	1
20.	Effect Of Adrenaline Heart	1
21.	Genesis Of Tetanus	1
22.	Effect Of Two Successive Stimuli	1
23.	Jugular Venous Pulse Heart Showing A.C& V Waves	1
24.	Effect Of Free Loading	1
25	Genesis Of Tetanus (10 Stimulus)	1
26	Effect Of Two Successive Stimuli	1
27	Jugular Venous Pulse Heart Showing A.C. & V Waves	1
28	Effect Of Free Loading 10 Ns. M.T.	1
29	Effect Of Two Successive Stimuli	1
30	Arterial Pulse Having Shaking By Flow.Of Pulse Impulse	1
31	Stethography	1
32	Gradation Of Stimuli	1
33	Genesis Of Tetanus (75-20 Time/Sec)	1
34	Simple Muscle Twitch	1
35	Effect Of After Loading	1
36	Extra Systole	1
37	Long Refractory Period	1
38	The Events Of Cardiac Cycle	1
39	Genesis Of Tetanus (730 Stin/Sec)	1
40	Action Potential In Myocoinated Nerve Fibre	1
41	Strength Duration Curve	1
42	Ecg	1
43	Action Potential To Purkinje Fibres	1
44	Muscular Fatigue	1



Projection Slides:-

Sr.No.	Name	Quantity
1	Retina	1
2	Human Endocrine Gland	1
3	The Sense Of Taste	1
4	Working Of Heart	1
5	Alveoli	1
6	Human Spinal Cord	1
7	Reflex	1
8	Nasal Cavities	1
9	Pituitary Gland	1
10	Human Lymphatic System	1
11	Testis & Seminiferous Tubules	1
12	Autonomous Nervous System	1
13	Human Immune Deficiency Virus	1
14	Developing Ovum	1
15	Uterus & Foetus	1
16	Action Of Hormones	1
17	Growth	1
18	Human Female Reproductive System	1
19	Human Male Reproductive System	1
20	Excretory System	1
21	Human Brain	1
22	Mammary Gland	1
23	Thyroid Gland & Rib Structure	1
24	Chamber Of The Ruminant Stomach	1
25	Respiratory System	1
26	Lymphovascular System	1
27	Spiral Nerve	1
28	Blood Cells	1
29	Digestive System	1
30	Human Eye	1
31	Nerve Cell	1
32	Birth Of Baby	1
33	Human Teeth	1
34	Human Ear	1
35	Human Ultrafiltration	1
36	Vestigial Structure	1
37	Menstrual Cycle	1
38	Excretory System	1
39	Circulatory System	1
40	Skeletal System	1
41	Human Heart	1
42	Hip Joint	1



43	Muscular System	1
44	Shoulder System	1
45	Foot & Foes Joint	1
46	Elbow Joint	1
47	Wrist Joint	1
48	Knee Joint	1
49	Nervous System	1
50	Types Of Teeth	1

List Of Instruments:-

Name Of The Instruments	Quantity
Medical Microscope	30 (With Spare Pipettes)
Equipment For Esr Estimation / Westergren's Esr On Stand	56 (With Spare Pipettes)
Haematocrit Tubes	90 (With Spare)
Auto Analyzer Or Semi Auto Analyzer	1
Haemoglobinometer Sahil	22 (With Spare)
Haemocytometer	17 (Without Pipette)
Sphygmomanometer	25
Stethoscope	26
Clinical Thermometer (Digital)	27
Knee Hammer	24
Tuning Forks To Test Hearing (32 -10000 Hzs)	1 Set
Stethographs or Pneumographs	5
Electrocardiography (Ecg Machine)	1
Electronic Stop Watches 1/10 Sec	4
Glass Distillation (Double) Apparatus	2
Centrifuge (Medium Speed)	3
Colorimeter (Photo Electric)	5
Ph Meter Electric	3
Colour Perception Lantern (Edridge Green)	2
Incubator	1
Educational Cd, Dvd, Film, Slide, Modlels, With Audio Visual Aids	As Required
Perimeter	2
Spirometer	3
Tonometer	1
Handgrip Dynamometer	1
Bicycle Ergometer	1
Electronic / Monopan Balance	1
Centrifuge	1
Balance, Chemical /Ordinary	2
Water Bath	2
Urinimeter	25
Hydrometer (0.7000 To 1.00)	3



Albuminometer	10
Glucometer	10
Thermometer	12
Calorimeter	5
Hot Air Oven (Electric)	1
Double Distillation Apparatus Glass	2
Centrifuge, Medium Speed, Electric	3
Glass Warelike Pipette ,Burettes,Wire Gouge With Asbestos , Centre Hot Plate ,Stove, Syringes, Burners, Rubber Tubing Stand Clamps, Flash Etc.	As Required
Ph Meter	3
Double Demonstration Eyepiece	1
Polypropylyene Separatory Funnel	4
Glass Slides	50
Stimulator	1
Lab Tubes	100
Plethysmograph	3
Test Tube	62
Cover Glass	20 Box
Caplari Tube	4 Box
Electric Microscope	1
Revolving Drum	2



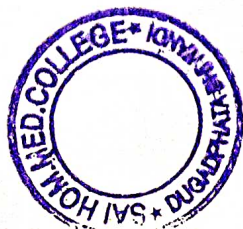
List Of Chemicals:-

Sr.No	Chemicals		Quantity
1.	Mercuric Sulphate	500 MI	1
2.	Wbc Diluting Fluid	500 MI	1
3.	Rbc Diluting Fluid	500 MI	1
4.	Leishmein Stain	500 MI	1
5.	Felhings Solution-A	200 MI	1
6.	Felhings Solution-B	1000 MI	1
7.	Iodine Solution	400 MI	1
8.	Alha Napthanol	500 MI	1
9.	Na Hydrobromide	250 MI	1
10.	Na Acetate	200 MI	1
11.	Na Nitrate	200 MI	1
12.	Benedicts Solution	500 MI	1
13.	Nessler's Reagent	300ml	1
14.	Mellaries Reagent	500 MI	1
15.	Na Pursside	500 MI	1
16.	Saliwafrefres Reagent	100 MI	1
17.	Ammonium Oxalate	300 MI	1
18.	Ammonium Hydrate	410 MI	1
19.	Ammonium Sulphate	100 MI	1
20.	Ammonium Phosphate Power	250 Gms	1
21.	Lactose Powder	400 Gms	1
22.	Fructose Powder	300 Gms	1
23.	Sulphur Powder	250 Gms	1
24.	Egg Albumin Powder	400 Gms	1
25.	Strach Powder	100 Gms	1
26.	Phenyl Hydrochlohide Powder	500	1



		Gms	
27.	Picric Acid	400gms	1
28.	Pottasium Frigg Acid	500gms	1
29.	Methyl Red	500gms	1
30	Cholorophenol Red	100gms	1
31.	Lead Oxalate Solution	300gms	1
32	Formaldehyde	500gms	1
33	Feeric Chloride	400ml	1
34	Barium Chloride	750ml	1

35	Iodion 0.1 Ncl 10%	500ml	1
36	Calcial Actetic Acid	500gms	1
37	Nitric Acid	250gms	1
38	Phenophthalin	250gms	1
39	Silver Nitrate	500gms	1
40	NI 10 Hcl	100ml	1
41	Benzidine Powder	250gms	1
42	Methyelen Blue	500ml	1
43	Ammonium Solution	500ml	1
44	Barfecice Reagent	-	1
45	Sulphur Powder	-	1
46	Hydrogen Peoxide Liquid	-	1
47	Acetone Liquid	-	1
48	Nessler's Reagent	-	1
49	Potassium Oxalate	-	1
50	Sodium Nitrate	-	1
51	Sodium Sulphide Flakes	-	1
52	Nitric Acid 70%	-	1
53	Benzidine	-	1
54	Hydrogen Per Oxide	-	1
55	Hlso4	-	2
56	1-Naphthalol	-	1
57	Sodium Solution	-	1
58	Heparin Solution	-	1
59	Sodium Acetate 38%	-	1
60	0.1 Hydroxide Solution	-	1
61	Galcial Acetic Acid	-	1
62	Forchets Felhing Solution	-	1
63	Ammonium Oxalate	-	1
64	Phosphate Powder	-	1
65	Urase Powder	-	1
66	Copper Sulphate	-	1



67	Surgical Spirit	-	1
68	Sodium Bicarbonate	-	1
69	Cone Nitric Acid Reagent	-	1
70	Sodium Hydroxide Solution	-	1

