

**SNJB's Smt. K. B. Abad Homoeopathic Medical College, Shri R. P. Chordiya Hospital & Bhamasha Shri  
V. D. Mehata, Dev-Vijay P. G. Institute of Homoeopathy & Research Centre, Chandwad.Dist.Nashik.**

**Department of Physiology Including Biochemistry**

**Annual Planner Academic year 2024-25**

**Semester wise distribution of Theory, Practical, Clinical Physiology & OPD's**

Sr.No/ Duration	WK	Physiology	No. of lectures required	Practical/ clinic planning / OSPE / OSCE/ DOAP/ MINI CEX	Class test/ Seminar/ tutorial	Intra / inter Departmen tal Activity	Guest lecture
<b>Semester- 1</b>							
<b>Module - 1</b> Organization of human body	<b>16 Wks</b>	*General Physiology * Bio physics science *Skin & the integumentary system <b>Clinical Physiology</b> *Case taking & Approach to Patient. *General concept of examination.		<b>03</b>	<b>05</b>		
<b>Module – 2</b> Principals of support system & movements with transportation		*Body Fluid & immune Mechanism * Nerve muscle Physiology <b>Practical :-</b> *Study of the Compound Microscope * Collection of Blood Sample *Estimation of Hemoglobin Conc. *Determination of Haematocrit * Haemocytometry * Total RBC Count *Determination of RBC Indices *Total Leucocytes count (TLC) *Preparation & Examination of Blood Smear *Differential Leucocyte Count (DLC) *Absolute Eosinophil count *Determination of Erythrocyte sedimentation Rae *Determination of Blood Groups * Determination of Bleeding Time & Coagulation Time <b>Clinical Physiology:-</b> *Examination of Muscles,Joints.					
	<b>4<sup>th</sup> Month _ 5 Days PA 6<sup>th</sup> 10 Days TT – Including Viva Voce</b>						
<b>Semester -2</b>							
<b>Module 3.</b>	<b>16</b>	* Cardiovascular System		<b>02</b>	<b>05</b>		

Vital Maintenance of the human body	<b>Wks</b>	<ul style="list-style-type: none"> <li>* Respiratory &amp; Environmental Physiology</li> <li><b>Clinical Physiology :-</b></li> <li>* Cardio-vascular system- Blood pressure Recording, Radial Pulse, ECG, Clinical Examination.</li> <li>* Respiratory system – Clinical examination, Spirometry, Stethography.</li> <li>* OPD ( Applied physiology)</li> </ul>					
<b>Module -4</b> Control system of Human Body		<ul style="list-style-type: none"> <li>* Central Nervous system</li> <li>* Endocrinology</li> <li><b>Clinical Physiology :-</b></li> <li>* Nervous system Examination</li> <li>* Special senses, Clinical examinations.</li> <li>* Diagnosis of pregnancy</li> <li>* OPD ( Applied physiology)</li> </ul>		<b>02</b>	<b>06</b>	<b>01</b>	
		<b>9<sup>th</sup> Month – 5 Days PA</b>					
		<b>12<sup>th</sup> Month – 10 Days TT Including Viva Voce</b>					
<b>Semester- 3</b>							
<b>Module – 5</b> Energy Maintenance of human body	<b>16 Wks</b>	<ul style="list-style-type: none"> <li>* Reproductive System</li> <li>* Special Senses</li> <li>* Digestion System &amp; Nutrition</li> <li>* Renal Physiology</li> <li>* Biochemistry</li> <li><b>Practical:-</b></li> <li>* Demonstration of Uses of Instruments or Equipment</li> <li>* Qualitative Analysis of Carbohydrates, proteins and Lipids</li> <li>* Normal Characteristics Of Urine</li> <li>* Abnormal Constituents of Urine</li> <li>* Qualitative Estimation of Glucose, Total proteins, Uric acid In Blood</li> <li>* Liver Function Tests</li> <li>* Kidney Function Tests</li> <li>* Lipid profile</li> <li>* Interpretation and Discussion of Results of Biochemical Tests.</li> <li><b>Clinical Physiology :-</b></li> <li>* Gastrointestinal System-Clinical Examination</li> <li>* OPD (Applied Physiology)</li> </ul>	<b>Lectures - 115 Hrs</b> <b>Non-Lectures – 105 Hrs</b>		<b>11</b>	<b>01</b>	<b>01</b>
		<b>14<sup>th</sup> Month – 5 Days PA</b>					
		<b>18<sup>th</sup> Month – 12 Days TT – including Viva-Voce – University examination.</b>					

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Department of Physiology Including Biochemistry  
Topic Division Batch 2022-2023**

Sr No.	Paper - I [Theory]	Name of Faculty
1	General Physiology	Dr.SST
2	Bio physics science	Dr.SST
3	Skin & the integumentary system	Dr.SST
4	Body Fluid & immune Mechanism	Dr.MHP
5	Nerve muscle Physiology	Dr.SST
6	Cardio-vascular system	Dr.MHP
7	Respiratory system	Dr.PSS
8	Renal Physiology	Dr.PSS

Sr No.	Paper – II [Theory]	Name of Faculty
1	Central Nervous system	Dr.SST
2	Endocrinology	Dr. MHP
3	Reproductive System	Dr .MHP
4	Special senses	Dr.MHP
5	Digestion System	Dr. MHP
6	Nutrition and Biochemistry	Dr. PSS

### PRACTICALS

Sr No.	Topic	Name of Faculty
1	Hematology	Dr. SST and Dr.PSS
2	Biochemistry	Dr. SST and Dr.PSS
3	Clinical Physiology	Dr. MHP and Dr.ASJ
4	OPD Hours	Dr.ASJ and Dr.PSS

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