



Dr. J. J. Magdum Trust's

Dr. J. J. MAGDUM HOMOEOPATHIC MEDICAL COLLEGE

Jaysingpur – 416 101, Tal-Shirol, Dist.- Kolhapur (Maharashtra)

NCH recognized, Affiliated to Maharashtra University of Health Science (MUHS), Nashik.


Phone No.College : (02322) 227083, 229583, Hospital- (02322) 225218

Email id- jjmhmc1990@gmail.com*

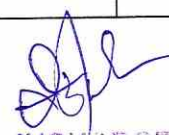
Established year – 1990

ACADEMIC YEAR 2022-2023
FROM 1ST JANUARY TO 31ST DECEMBER 2022
DEPARTMENT: PHYSIOLOGY
1st BHMS

MONTH	TOPIC	No. of Lecture	Teaching And Learning Methods
	<p>1st January to 25th April Following work was done Preliminary exam: Last week December and 1st week of January . Answer paper assessment work (theory and practical) Preparation of result Follow up of exam result General instruction about exam result of preliminary exam</p> <ol style="list-style-type: none">4) Time management5) presentation6) Drawing <p>Discussion on some topics of CNS, Embryology and General physiology. From 3rd to 12th March students appeared for MUHS Theory examination. From 10nd to 12th April students appear for MUHS practical examination. During this period we Lectures of New batch for academic year 2021-22 were start from 26th April 2022.</p>		
April	<p>Human body organization , Cellular organization Tissue organization System organization Homeostasis mechanism of the body</p>	4	Blackboard ,Chalk, Reference book, Special charts, Transparencs, Slides, Laptop, PPT , Small group discussion, Micro teaching , Tutorial, Seminar
May	<p>General physiology, biophysics and body fluids Biophysics – Bioprinciples Units of concentrations of solutions Ions, electrolyte non electrolyte filtration</p>	3	



INCHARGE PRINCIPAL
Dr. J.J. Magdum Homoeopathic
Medical College, Jaysingpur.
Dist. Kolhapur (Maharashtra)

MONTH	TOPIC	No. of Lecture	Teaching And Learning Methods
June	Digestive system physiology	12	Blackboard , Chalk , Reference book, Special charts, Transparences, Slides, Laptop : PPT , Small group discussion, Micro teaching, Tutorial, Seminar
	Anatomical consideration of the digestive system		
	Functions of digestive system		
	Salivary glands		
	Mastication, Deglutition Digestion		
	Stomach Functions of stomach		
	Composition & Functions of gastric juice		
	Movements of stomach digestion		
July	secretion Composition and functions of pancreatic juice, Digestion	12	
	Character and Small intestine pancreas - mechanism of pancreatic composition of success entricus		
	Mechanism of secretion of success entricus digestion		
	Bile composition of bile function of bile ,bile salt/bole pigment		
	Movement of alimentary canal, movement of small intestine, movement of large intestine		
	Hormones of gastric secretion Tutorial on GIT Seminar on GIT		
	Digestion and absorption of CHO, protein, lipids		
August	Respiratory system physiology	12	
	Introduction of respiratory system		
	Mechanism of Breathing		
	Motor on of Ribs		
	Spirometry		
	Lung volumes & capacities		
	Respiratory dead space O ₂ – transport O ₂ – dissociation curve		
	Carbon dioxide transport		
	Control of respiration		
	Nervous control & Chemical control		
	Hypoxia		
	Dyspnea		
	Dysbarism		
	Asphyxia		
	Cynosis		
Methods of artificial respiration			



INCHARGE PRINCIPAL
Dr. J.J. Magdum Homoeopathic
Medical College, Jaysingpur.
Dist. Kolhapur (Maharashtra)

MONTH	TOPIC	No. of Lecture	Teaching And Learning Methods
September	CNS physiology	12	Blackboard , Chalk , Reference book, Special charts, Transparencs, Slides, Laptop : PPT , Small group discussion, Micro teaching, Tutorial, Seminar
	Neurons		
	Properties of nerve fibres		
	Sunapse		
	Reflex		
	Receptor		
	Brain stem		
	Medulla oblongata		
	Pons		
	Midbrain		
	Cerebrum		
	Thalamus		
	Hypothalamus		
	Cerebral cortex		
Basal ganglia			
Limbic system			
October	Ascending tract	12	
	Descending tract		
	Upper and lower motor lesions		
	Revision		
	Tutorial CNS		
	Seminar CNS		
	ANS		
November	Nurve muscle physiology	5	
	Skeletal Muscle Mechanism of contraction		
	Neuromuscular junction Characteristic		
	Properties of skeletal muscles Characteristic		
	Properties of skeletal muscle Nerve muscle physiology.		
	Tutorial NMP		
	Seminar NMP		
December	Special Senses Vision	10	
	introduction – Ear		
	Middle ear		
	internal ear		
	Cochlea		
	Organ of corti		
	Auditory pathway Deafness		
	Test for deafness rinnes & webers test		
	Taste (Gustation) –Tongue to.		
	Taste buds		
	Gustatory pathway		
	Olfaction – Introduction factory receptors		
	Physiology of Olfaction Olfactory pathway		
Abnormalities of olfactory Sensation			


INCHARGE PRINCIPAL
 Dr. J.J. Magdum Homoeopathic
 Medical College, Jaysingpur.
 Dist. Kolhapur (Maharashtra)

DR. J.J. MAGDUM HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL, JAYSINGPUR

Academic year:

From **1st January 2022 to 31st December 2022**

Department of : **physiology.**

Academic planner / Advance Teaching Plan

Sr. No.	Details	Total number in Hours
1	Lecture	233
2	Symposium	-
3	Practical \ Clinic	245
4	Inter departmental seminars	-
5	Seminars	09
6	Case presentation \Tutorial	12
7	Journal club	-

INCHARGE PRINCIPAL

Dr. J.J. Magdum Homoeopathic
Medical College, Jaysingpur.
Dist. Kollegalur (M. Pradesh)



Dr. J. J. Magdum Trust's
Dr. J. J. MAGDUM HOMOEOPATHIC MEDICAL COLLEGE

Jaysingpur – 416 101, Tal-Shirol, Dist.- Kolhapur (Maharashtra)
NCH recognized, Affiliated to Maharashtra University of Health Science (MUHS), Nashik.

Phone No.College : (02322) 227083, 229583, Hospital- (02322) 225218

Established year – 1990

* Email id- jjhmhc1990@gmail.com*

ACADEMIC YEAR 2022-2023

FROM 1st JANUARY To 31st DECEMBER 2022

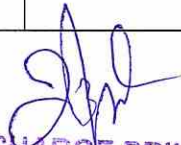
DEPARTMENT: PHYSIOLOGY

1st BHMS

MONTH	TOPIC	No. of Lecture	TEACHING AND LEARNING METHODS
	<p>1st January to 25th April Following work was done Preliminary exam: Last week December and 1st week of January. Answer paper assessment work (theory and practical) Preparation of result Follow up of exam result General instruction about exam result of preliminary exam 1) Time management 2) presentation 3) Drawing Discussion on some topics of CNS, Embryology and General physiology. From 3rd to 12th March students appeared for MUHS Theory examination. From 10nd to 12th April students appear for MUHS practical examination. During this period we Lectures of New batch for academic year 2021-22 were start from 26th April 2022.</p>		
April	<p>Blood Composition functions of blood Plasma proteins and its functions Functions of plasma protein</p>	2	Blackboard , Chalk , Reference book , special charts , Transparences , Slides , Laptop : PPT , Small group discussion, Micro teaching , Tutorial ,Seminar ,
May	<p>ESR significance OF ESR Coagulation of blood importance of homeostasis Blood volume and it's regulations</p>	3	

INCHARGE PRINCIPAL
Dr. J.J. Magdum Homoeopathic
Medical College, Jaysingpur.
Dist. Kolhapur (Maharashtra)

MONTH	TOPIC	No. of Lecture	TEACHING AND LEARNING METHODS
June	Bone marrow, functions of bone-marrow Formed elements of blood, RBC - erythropoiesis,	12	Blackboard ,Chalk , Reference book , special charts , Transparences , Slides , Laptop : PPT , Small group discussion, Micro teaching , Tutorial ,Seminar ,
	factor affecting erythropoiesis		
	Haemoglobin - synthesis, types and functions		
	Anemia - cause types and clinical importance		
	White blood corpuscles		
July	Thrombocytes, functions of platelets	7	
	Blood group and different types		
	Rh-blood group		
	Hazards of mismatched blood transfusion		
	Erythroblastosis foetalis		
July	Body fluids	6	
	Cadio vascular system physiology		
	Anatomical consideration of heart, valves of heart Histology of cardio-vascular systems		
	Special junctional tissue of heart Heart block		
	Basic Properties of cardiac muscle and it's Structure		
August	Cardiac cycle	12	
	Heart sounds		
	ECG - introduction		
	ECG - leads, waves,		
	Nerves of heart and their actions		
	Heart rate & it's regulation		
	Cardiac output and it's regulation		
	Measurement and recording of blood pressure Regulation of blood pressure		
September	Radial pulse	5	
	Coronary circulation		
	Cerebral circulation		
	Pulmonary circulation and hepatic circulation		
	Excretion physiology	7	
	Kidneys		
	Juxtaglomerular apparatus		
	Renal blood flow Function of kidney and glomerulus		


INCHARGE PRINCIPAL
 Dr. J.J. Magdum Homoeopathic
 Medical College, Jaysingpur,
 Dist. Kolhapur (Maharashtra)

MONTH	TOPIC	No. of Lecture	TEACHING AND LEARNING METHODS
October	Selective reabsorption	10	Blackboard ,Chalk , Reference book , special charts , Transparences , Slides , Laptop : PPT , Small group discussion, Micro teaching , Tutorial ,Seminar ,
	Tubular secretion		
	Formation of new substances		
	Renal functional test		
	Volume and characteristic of urine		
	Glycosuria		
	Micturation		
	Mechanism of micturation		
	Reaction of urine		
	Factors controlling volume of urine		
	Abnormal volume of urine		
	Body temperature and skin		
	Factors affecting body temperature		
	Regulation of body temperature thermogenesis		
	Thermolysis		
	Nervous system and thermotaxis, Pyrexia (Fever)		
Structure of skin and its function			
November	Reproductive system physiology	5	
	Reproductive physiology male		
	Testosterone / puberty		
	Spermatogenesis		
December	Reproductive physiology - Female	7	
	Estrogen / Progesterone		
	Menstrual cycle		
	Sex determination & Sex differentiation		



INCHARGE PRINCIPAL
Dr. J.J. Magdum Homoeopathic
Medical College, Jaysingpur.
Dist. Kolhapur (Maharashtra)



Dr. J. J. Magdum Trust's
Dr. J. J. MAGDUM HOMOEOPATHIC MEDICAL COLLEGE

Jaysingpur – 416 101, Tal-Shirol, Dist.- Kolhapur (Maharashtra)
NCH recognized, Affiliated to Maharashtra University of Health Science (MUHS), Nashik.
* Phone No.College : (02322) 227083, 229583, Hospital- (02322) 225218*

Email id- jjmhm1990@gmail.com*

Established year – 1990


ACADEMIC YEAR 2022-2023

FROM 1st JANUARY TO 31st DECEMBER 2022


DEPARTMENT: PHYSIOLOGY

1st BHMS


MONTH	TOPIC	No. of Lecture	Teaching And Learning Method
	<p>1st January to 25th April Following work was done Preliminary exam: Last week December and 1st week of January . Answer paper assessment work (theory and practical) Preparation of result Follow up of exam result General instruction about exam result of preliminary exam</p> <ol style="list-style-type: none">1) Time management2) presentation3) Drawing <p>Discussion on some topics of CNS, Embryology and General physiology. From 3rd to 12th March students appeared for MUHS Theory examination. From 10nd to 12th April students appear for MUHS practical examination. During this period we Lectures of New batch for academic year 2021-22 were start from 26th April 2022.</p>		
APRIL	General physiology	3	Blackboard ,Chalk , Reference book , Special charts , Transparences , Slides , Laptop : PPT , Small group discussion, Micro teaching , Tutorial ,Seminar
	Dialysis		
	Surface tension		
	Adsorption		
	Hydro trophy		
	Donnan equilibrium		
	Colloid		
MAY	Diffusion	3	
	Osmosis		
	Ultra filtration		
	Electrolyte		
	Non electrolyte		


INCHARGE PRINCIPAL
Dr. J.J. Magdum Homoeopathic
Medical College, Jaysingpur.
Dist. Kolhapur (Maharashtra)

MONTH	TOPIC	No. of Lecture	Teaching And Learning Method			
JUNE	Biochemistry physiology Introduction Carbohydrate classification Digestion and absorption Metabolism Kreb's cycle Endocrine influence on CHO, metabolism regulation of CHO metabolism	9	Blackboard ,Chalk , Reference book , special charts , Transparences , Slides , Laptop : PPT , Small group discussion, Micro teaching , Tutorial ,Seminar			
JULY	Lipid classification	4	Blackboard ,Chalk , Reference book , special charts , Transparences , Slides , Laptop : PPT , Small group discussion, Micro teaching , Tutorial ,Seminar			
	Essential fatty acid steroids					
	Digestion and absorption					
	Metabolism B-oxidation of fatty acids					
	Bio synthesis of lipid					
	Regulation of lipid metabolism					
	Protein classification					
	Essential amino acids	7				
	Vitamins and co-enzymes					
	Digestion and absorption					
	The process of protein synthesis					
	Vitamins					
	Fat soluble Vit D Vit E Vit K					
	Water soluble Thiamine vit B1 Ribotiavin vit B2 Niacin vit B3 Pyridoxine vit B6 Pantothenic acid vit B5					
	August			Vit B 12	4	Blackboard ,Chalk , Reference book , special charts , Transparences , Slides , Laptop : PPT , Small group discussion, Micro teaching , Tutorial ,Seminar
				Rickets		
				Scurvy beriberi		
Osteomalacia						
Pernicious anemia						
Enzymes and co enzymes						
Introduction definition						
Classification properties						
Co-enzymes A						
Summary of protein /fat/CHO. Metabolism						
Summary of vitamins						
Tutorial on metabolism						
Seminar on vitamins						
Nutrition		5				
Food vs Nutrition						
Constituents of normal diet						
Nutritional needs of the body in terms of calories						
Balance diet						
Principle of diet planning Applied aspect obesity, kwashiorkor, marasmus						


INCHARGE PRINCIPAL
 Dr. J.J. Magdum Homoeopathic
 Medical College, Jaysingpur.
 Dist. Kolhapur (Maharashtra)

MONTH	TOPIC	No. of Lecture	Teaching And Learning Method
September	Special senses physiology	10	Blackboard ,Chalk , Reference book , special charts , Transparences , Slides , Laptop : PPT , Small group discussion, Micro teaching , Tutorial ,Seminar
	Eye ball- layers		
	Innermost layer –retina		
	Optic –pathway		
	Lesion of optic pathway		
	Mechanism of accommodation		
	Visual transduction		
	Visual acuity error of refraction		
	Abnormalities of olfactory sensations		
October	Spleen and lymph physiology	10	
	Structure of spleen		
	Function of spleen		
	Clinical aspect related to spleen		
	Lymphatic capillaries		
	Composion of lymph		
	Formation of lymph		
	Lymph node /lymph gland		
	Lymph gland- structure		
	Functions of lymph node		
	Clinical aspect or physiological importance Of lymph		
	Reticuloendothelial system introduction		
	Classification of RES		
	Description of types of macrophage system		
Function of RES			
November	Endocrine system physiology	6	
	Introduction,harmones		
	Negative and positive feed		
	Back mechanism		
	Anterior and posterior pituitary		
	Anatomy /histology		
	Anterior pituitary hormone		
	Growth hormone		
	Applied physiology		
Diabetes Insipedus			
December	Thyroid gland	14	
	Anatomical physiology		
	Synthesis of harmones		
	Functions of harmones		
	Applied physiology		
	Hyper thyroidism hypo- thyroidism		
	Parathyroid harmones		
	Calcium metabolism and regulation of serum calcium		
	Applied physiology		
	Adrenal glands		
	Adrenal cortex		
	Action /function of – glucocorticoids		
	Mineral corticoids ,androgen		
	Applied physiology		
	Adrenal medulla		
	ANS adrenalin and nor adrenalin		
Tutorial on endocrine system			
Seminar on endocrine system			


INCHARGE PRINCIPAL
 Dr. J.J. Magdum Homoeopathic
 Medical College, Jaysingpur.
 Dist. Kolhapur (Maharashtra)