

### 30. Department wise list of Faculty Members

Department	Name of the faculty, Qualification, IMR Number			Current Designation & Date of promotion		Nature of employment Regular/permanent or contract/outsourced	Details of Service in the Last 5 years					Number of Lecture taken/year. Topics Covered
	Name of Faculty	Qualification	IMR Number	Current Designation	Date of Promotion		2021	2020	2019	2018	2017	
Physiology	Dr. Shinde Pramod Uttamrao	MBBS, MD	2001/02/0429	Professor & Head	01/09/2014	Regular	Professor & Head	Professor & Head	Professor & Head	Professor & Head	Professor & Head	60, Factors affecting Spermatogenesis Testosterone & its applied aspect Menstrual Cycle & its applied Ovarian cycle & its applied Estrogen & progesterone , applied Physiology of Pregnancy, Tests for it Physiology of Parturition Physiology of Lactation Contraception Infertility –causes & treatment Menopause & hormones Body temperature Fever, Heat stroke physiology of smell & alteration physiology of taste & alteration Ear & Auditory pathway Mechanism of Hearing Deafness & treatment options Auditory evoked potentials Sedentary lifestyle & NCDs Human Dignity



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Physiology	Dr. Phatale Sangita Raghuvir	MBBS, MD	83292	Professor		Regular	Professor	Professor	Professor	Professor	Professor	63, Mammalian Cell Intercellular Communication Apoptosis Transport across cell membrane Fluid Compartments in body Buffer Systems in body Resting Membrane potential Action Potential Neuroglial Cells Synapse Receptors Reflex Sensations Sensory cortex Ascending Pathways Thalamus Motor Cortex Descending Pathways Spinal cord lesions Muscle tone Body Posture Vestibular Apparatus Basal Ganglia Cerebellum Hypothalamus Limbic System Autonomic Nervous System Reticular Activating System



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Physiology	Dr.Rankhamb Sangita Manish	MBBS, MD	82674	Associate Professor	01/06/2021	Regular	Asso.Prof	Asstt.Prof	Asstt.Prof	Asstt.Prof	Asstt.Prof	28, Hormones types, Mechanism of action Anterior pituitary-Growth hormone Posterior pituitary-Oxytocin, ADH Disorders of Thyroid Parathyroid-Tetany Disorders Adrenal Cortical Hormones Adrenal Medulla Endocrine pancreas –Diabetes Mellitus Thymus & pineal Gland Obesity & hormonal imbalance Gut brain Axis Saliva Mastication & Deglutition ,GERD Gastric secretion–Peptic Ulcer Pancreatic juice Bile Succes entericus Digestion & absorption of nutrients Movements of GIT Colon –Diarrhea, constipation Defecation reflex-Role of



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Physiology	Dr.Irani Farahanaz Baman	MBBS, MD	76010	Assistant Professor	01/12/2011	Regular	Asstt.Prof	Asstt.Prof	Asstt.Prof	Asstt.Prof	Asstt.Prof	45, Composition & functions of blood Plasma Proteins Erythrocytes ,Erythropoiesis Hemoglobin(functions & anemia) Leucocytes, leucopoiesis Reticuloendothelial system Immunity Blood groups ,Rh-factor & blood transfusion Blood coagulation , anticoagulants Introduction to RS Mechanics of respiration Atmospheric air, dead space air & expired air Lung Volumes & capacities Alveolar Ventilation Transport of oxygen Transport of carbon dioxide Nervous regulation of respiration Chemical regulation of respiration Hypoxia, High altitude physiology Deep sea physiology Abnormalities of respiration



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Physiology	Dr.Sarkate Kirti Pramod	MBBS, MD	80972	Assistant Professor	01/08/2012	Regular	Asstt.Prof	Asstt.Prof	Asstt.Prof	Asstt.Prof	Asstt.Prof	48 , Cardiac Muscle Properties of cardiac muscle Junctional tissues of heart Origin & spread of cardiac impulse Nerve supply of heart & heart rate ECG & its applications Cardiac cycle Cardiac output Hemodynamics of circulation Regulation of Blood Pressure Venous Circulation Capillary Circulation Lymphatics & edema Pulmonary Circulation Coronary Circulation Cerebral Circulation Hepatic Circulation Circulatory shock




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Physiology	Dr. Isaac David Navin	MBBS, MD	75867	Assistant Professor	01/09/2019	Regular	Asstt.Prof	Asstt.Prof	Asstt.Prof	Asstt.Prof	Asstt.Prof	32, Non excretory system functions of kidney Renal Circulation & Auto regulation Of Blood Flow GFR Tubular Functions Mechanism of formation of Urine Mechanism of concentration & dilution of Urine Renal handling of water & electrolytes Acidification of Urine Micturation ,cystometrogram Renal Function tests Artificial Kideny, dialysis Physiology of Aging ,Free radicals & antioxidants Cardio respiratory& metabolic adjustment during exercise Isometric & isotonic Exercises



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Physiology	Dr.Mulkhede Saroj Vinayakrao	MBBS, MD	2002/08/3090	Assistant Professor	01/11/2020	Regular	Asstt.Prof	Tutor	Tutor	Tutor	Tutor	55, Taste sensation Microscope Collection of blood sample Neubauer's Chamber Packed Cell Volume E.S.R.Estimation Osmotic fragility of RBCs Hemoglobin Estimation Total leukocyte count NCG & effect of temp.over it Properties of cardiac muscle Introduction to clinical examination Examination of radial pulse ECG Disorders of anterior pituitary Disorders of Thyroid Disorders of Parathyroid Abnormalities of Adrenal cortex C/E of eye & visual reflex Colour vision Acuity of vision



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Physiology	Dr.Kadam Pranita Manish	MBBS, MD	081039	Assistant Professor	01/11/2020	Regular	Asstt.Prof	Tutor	Tutor	Tutor	Tutor	59, Smell sensation R.B.C. Count Differential leukocyte count Blood groups Bleeding & clotting time Blood Indices Effect of drugs & ions over NCG Clinical examination of RS Artificial respiration Stethography Recording of body temperature C/E of cranial nerves III,IV & VI C/E of Cranial nerves V,VII,IX,X,XI,XII Cerebellar function tests Tests for hearing & deafness



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Physiology	Dr. Bhakare Prafullata Subhash	B.Sc, M.Sc		Tutor		Regular	Tutor	Tutor	Tutor	Tutor	Tutor	32, Neuron, Classification of nerves Properties of nerves Wallarian Degeneration & regeneration Neuromuscular junction & Applied Muscle classification & structure of skeletal muscle Sarcotubular system & excitation-contraction coupling Molecular basis of muscle contraction Properties of skeletal muscle Smooth Muscle Energy source & Muscle metabolism Spirometry Perimetry




  
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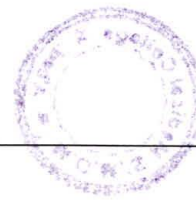
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Physiology	Dr.Khan Saba Anjum	MBBS, MD	2003083147	Tutor		Regular	Tutor	Tutor	Tutor			29, Introduction to experimental physiology Simple Muscle Curve Genesis of tetanus Fatigue Preload & Afterload Ergography ECG Measurement of B.P. Effect of posture & exercise on B.P. Clinical examination of CVS Central Venous Pressure Cardiac efficiency tests C/E of Abdomen C/E of sensory system C/E of motor system-1 (Tone, Power) C/E of motor system-2 (Reflexes)
Physiology	Dr.Ghatge Ankita Mohan	MBBS	2021/04/3853	Tutor		Regular	Tutor					25, Osmotic fragility of RBCs Measurement of B.P.
Physiology	Dr.Kadam Dhanashree Manish	MBBS	2021/04/3378	Tutor		Regular	Tutor					27, Estrogen & progesterone , applied Physiology of Pregnancy



  
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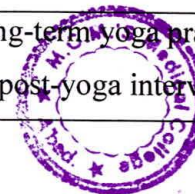
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Sr. No.	Faculty Name	Publication in Vancouver referencing style	Pubmed Indexed Yes/ No	Scopus Indexed
<b>Physiology</b>				
1	Dr. Shinde P U	Shinde B V, Phatle S R, Shinde P U, Waghmare S N.. The Impact of Obesity on Respiratory Muscle Strength in Adults. International Journal of Contemporary Medical Research. 2017, 4:9; 1879-1882	Yes	No
		Isaac D, Shinde P U. The study role of glycosylated hemoglobin in hearing complication of diabetes. International Journal of Current Research. 2017, 9:11;60231-60233	No	No
		Isaac David , Shinde P.U. Relation of type 2 diabetes and BMI with auditory acuity. Indian Journal of Applied Research. 2017, 7:10;79-96	No	No
		Udhan VD, Wankhede SG, Shinde P. Effectiveness of yoga as mind-body exercise over memory, perceived stress and mental health. Int J Adv Res. 2018;6(4):147-51.	No	No
		Udhan VD, Shinde P, Howale DS, Makwana J. Evaluation of Leucocyte and Platelet Count between Cigarette Smoking and Non-Smoking Healthy Young Men. International Journal. 2019 Mar;2(2):65.	Yes	No
		Phatale SR, ShindeBV, ShindePU. Changes in Cardiac Autonomic Stressor Responses by Yogic Lifestyle Intervention in Hypertensive Patients. International Journal of Medical Science and Current Research. 2020.; 3 (5):190-198	No	No
		Shinde B, Phatale S, Shinde PU. To study the effects of yogasana & pranayama on anthropometry & lipid profile of normotensive & hypertensive persons. IJMSCR , April 21; 4(2)	No	No
		Khurde NR, Wankhede SG, Shinde PU, Udhan VD. Long-term yoga practice and pulmonary endurance in healthy individuals: A pre-and post-yoga interventional study.	No	No



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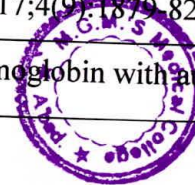


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		Wankhede SG, Udhan VD, Shinde P. Assessment of long-term yoga training as a complementary therapeutic measure for anxiety, depression, and psychological distress in healthy individuals. National Journal of Physiology, Pharmacy and Pharmacology. 2020;10(02).	No	No
		Nisargandha MA, Parwe S, Wankhede SG, Shinde PU, Phatale SR, Deshpande VK. Nerve Conduction Studies on Patients of Sciatica. Int J Biol Med Res. 2017;8(3):6050-2.	No	No
2.	Dr.Phatale Sangita	Phatale SR, Shinde BV, Patil S, Shinde PU. A study of assessment of cardiac autonomic functions after yogasana and pranayama. Int J Contemp Med Res [IJCMR] [Internet]. 2019;6(11). Available from: <a href="http://dx.doi.org/10.21276/ijcmr.2019.6.11.6">http://dx.doi.org/10.21276/ijcmr.2019.6.11.6</a>	Yes	No
		Nisargandha M A ,Parwe S D, Wankhede S G, Shinde P U, Phatale S R, Deshpande V K. Nerve conduction studies on patients of sciatica. International Journal of Biological and Medical Research. 2017, 8:3;6050-6052	No	No
		Udhan V D , Wankhede S G , Phatale S R . Effect of yoga on cardio- respiratory health markers: Physical fitness index and maximum oxygen consumption (VO2 Max). Journal of Clinical and Diagnostic Research. 2018. 12; 8: CC21 - CC23	No	No
		PhataleSR, Fatima, Kadam PM. To study the relationship of duration of type 2 diabetes mellitus on peak expiratory flow rate. International Journal of Current Research, March, 2018; 10(03):66224-66227	No	No
		Khan A Q, Patel S, Daiv S . Effective of USG guided pecutaneous malecot catherization in cases of liver abscess.. International Journal of Current Medical and Applied Sciences. 2018. 17; 3: 81-86	Yes	No
		Shinde BV, Phatale SR, Shinde PU, Waghmare SN. The impact of obesity on respiratory muscle strength in adults. Int J Contemp Med Res. 2017;4(9):1879-82.	No	No
		3.	Dr Irani FB	Irani F B, Isaac D. Relation of type 2 diabetes and hemoglobin with auditory acuity.



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	of diabetes. International Journal of Current Research. 2017, 9:11;60231-60233		
	Isaac David , Shinde P.U. Relation of type 2 diabetes and BMI with auditory acuity. Indian Journal of Applied Research. 2017, 7:10;79-96	No	Yes
	Irani F B, Isaac D. Relation of type 2 diabetes and hemoglobin with auditory acuity. International Journal of Health Sciences and Research. 2017, 7:10; 78-81	No	No
	Irani FB, David I. Relation of Type 2 Diabetes and Hemoglobin with Auditory Acuity. Age.;39(6.42):40-34.	No	No



  
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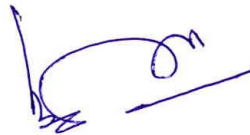
Department	Name of the faculty Qualification	IMR Number Current Designation & Date of promotion	MET / Research Methodology Workshops done in last 5 years with Dates
PHYSIOLOGY	1) Dr. Shinde P.U.	Professor & HOD	Workshop on Research Methodology 30/09/2016 to 02/10/2016
	2) Dr. Phatale S.R.	Professor	Revised Basic Course in MET: 07 to 09-03-2017
	3) Dr. Rankhamb S M	Associate Professor	-----
	4) Dr. Irani F.B.	Assistant Professor	Research Methodology: 07-08 to 09-08-2018 ICMR basic course in biomedical research: March-June 2020
	5) Dr. Sarkate K P	Assistant Professor	-----
	6) Dr. David Issac	Assistant Professor	Research Methodology: 30-09 to 02-10-2016 Basic Course in MET: 11 to 12-02-2020 Revised Basic Course in MET: 05 to 07-04-2021
	7) Dr. Mulkhede S.V.	Assistant Professor	Research Methodology: 07-08 to 09-08-2018 ICMR basic course in biomedical research: March-June 2021
	8) Dr. Kadam P. M.	Assistant Professor	Revised Basic Course in MET: 05 to 07-04-2021
	9) Dr. Bhakare P.S.	Asst. Lecturer / Tutor	
	10) Dr. Saba Khan	Asst. Lecturer / Tutor	Basic Course in MET: 11 to 12-02-2020
	11) Dr.D.M. Kadam	Asst. Lecturer / Tutor	-----
	12) Dr.Ankita Ghadge	Asst. Lecturer / Tutor	-----

N.B.

1. Publications by faculty should be attached as annexure.
2. Publications should be quoted in Vancouver referencing style.
3. Medical Educator Training/ research methodology and dates

\*To be updated every new session/academic year



  
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