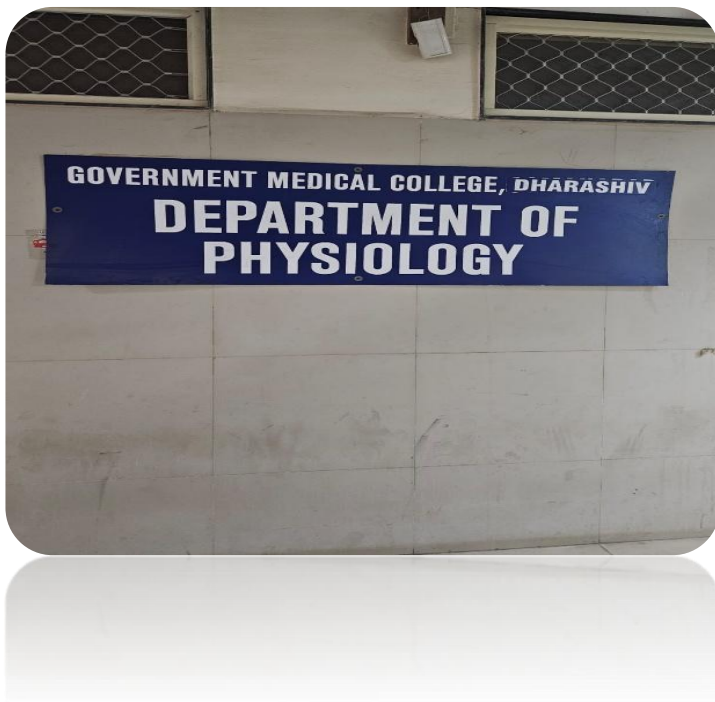


Department of Physiology



**PHYSIOLOGY DEPARTMENT |
GMC DHARASHIV**

Welcome to the Department of Physiology at GMC Dharashiv. Our department is dedicated to providing a comprehensive understanding of the functional mechanisms of the human body through rigorous academic instruction and advanced clinical diagnostics.

HEMATOLOGY PRACTICAL LAB

This lab focuses on the microscopic and biochemical analysis of blood components. Students learn essential techniques such as cell counting, haemoglobin estimation, and blood grouping to understand haematological health and disorders.



CLINICAL PHYSIOLOGY LAB

The Clinical Physiology Lab serves as a bridge between theoretical knowledge and bedside practice, focusing on the assessment of various body systems in a clinical environment. Students are trained to perform and interpret diagnostic tests such as blood pressure recording, sensory and motor examinations, and basic clinical assessments of the cardiovascular and respiratory systems. This facility is essential for developing the foundational clinical skills required for patient evaluation and management in their future medical careers.



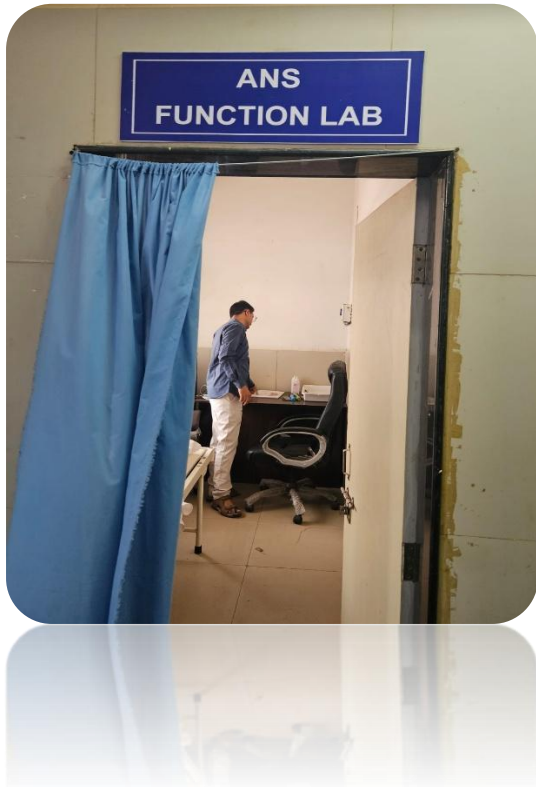
OSPE / OSCE

It is a modern assessment method used in physiology to evaluate students clinical skills, practical competence, communication, interpretation, and problem solving abilities through structured stations with standardised markings.



ANS FUNCTION LAB

Our Autonomic Nervous System (ANS) lab evaluates the involuntary control systems of the body. Using specialized equipment, we conduct tests like the Valsalva maneuver and heart rate variability (HRV) analysis to assess sympathetic and parasympathetic balance.



PULMONARY FUNCTION LAB

This lab is equipped with modern spirometers to measure lung volumes and capacities. It serves as a vital center for assessing respiratory mechanics and diagnosing obstructive or restrictive lung pathologies.



CARDIOLOGY LAB

The Cardiology lab focuses on the electrical and mechanical activities of the heart. Students and faculty utilize Electrocardiography (ECG) and other non-invasive monitoring tools to study cardiac cycles and rhythm disturbances.



GUEST LECTURE

We regularly host distinguished experts and clinicians from across the medical field. These sessions provide students with exposure to cutting-edge research, evolving clinical guidelines, and diverse perspectives in physiological sciences.



BCME (BASIC COURSE IN MEDICAL EDUCATION)



PEER ASSISTED LEARNING (PAL)

This student-centric initiative facilitates collaborative learning where seniors or high-achieving peers mentor others. It creates a supportive environment for clarifying difficult concepts and mastering practical clinical skills.



SEMINAR

The seminar series encourages student-led academic discourse on complex physiological topics. This platform fosters critical thinking, literature review skills, and effective communication among medical undergraduates and postgraduates.

