

SRV Ayurvedic Medical College & Hospital, Lucknow

Department of Kriya Sharir (Physiology)

Departmental Laboratory Report

1. Introduction and Brief Description of the Laboratory

The Department of Kriya Sharir (Physiology) is one of the fundamental academic departments of SRV Ayurvedic Medical College & Hospital, Lucknow. The departmental laboratory has been established to provide practical knowledge and experimental training to undergraduate students in the field of human physiology and functional aspects of the human body.

The laboratory plays a significant role in teaching various physiological principles, experimental procedures, and clinical correlation related to normal body functions. It supports academic learning through practical demonstrations, physiological experiments, diagnostic procedures, and research-oriented activities for students and faculty members.

The department aims to enhance the practical understanding of physiological concepts and promote scientific and research-based learning among students.

2. Available Infrastructure and Facilities

The departmental laboratory is well maintained and equipped with the necessary infrastructure and facilities required for academic and practical training purposes.

The laboratory includes -

- Open and well-ventilated practical laboratory hall.
- Demonstration area for practical teaching and experiments.
- Adequate lighting and electricity facilities.
- Water supply and wash basin facilities.
- Storage cabinets and instrument racks.
- Charts, models, and educational display materials.
- Computer and documentation facilities.
- Proper cleanliness and waste disposal system.
- Safety and hygiene maintenance facilities
- The laboratory environment is designed to support effective practical teaching, physiological experiments, academic activities, and basic research work.

3. List of Instruments and Equipment Available in the Laboratory

Instruments

- Microscope
- Hemocytometer / Neubauer Chamber
- Hemoglobinometer
- Sphygmomanometer
- Stethoscope
- Clinical Thermometer
- Spirometer
- Tuning Forks
- Reflex Hammer
- Measuring Scale and Weighing Machine
- Stop Watch
- Pipettes
- Micropipettes
- Glass Slides and Cover Slips

- Test Tubes
- Beakers and Measuring Cylinders
- Droppers and Funnels
- Equipment
- Centrifuge Machine
- Colorimeter
- Hot Air Oven
- Incubator
- Refrigerator
- Computer System and Printer
- Laboratory Furniture and Storage Units

4. Practical and Research-Related Facilities Available for Undergraduate Students and Faculty Members

The departmental laboratory provides various practical and academic facilities for undergraduate students and faculty members, including -

- Hematological practical demonstrations
- Human physiology experiments and practical training
- Blood pressure and pulse examination demonstrations
- Clinical examination and reflex testing
- Respiratory function assessment practicals
- Microscopic examination and slide demonstrations
- Practical teaching sessions for undergraduate students
- Academic seminars and demonstrations
- Faculty-guided practical learning sessions
- Maintenance of laboratory records and documentation

The laboratory helps students develop practical skills, clinical understanding, experimental knowledge, and research orientation in physiology and allied medical sciences.

5. Photographs and Documentation

Relevant photographs and supporting documents are attached separately for official website and academic documentation purposes.





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