

**UNIT - 1      Human Anatomy**

Demonstration of

- Study of Human Skeleton parts with skeletal models.
- Study with charts and models of all organ systems mentioned above.
- Microscopic slides examination of elementary human tissues, cells.
- Major organs through models and permanent slides.
- Parts of circulatory system from models.
- Parts of respiratory system from models.
- Digestive system from models.
- Excretory system from models.

**Human Physiology**

- To measure pulse rate
- To measure blood pressure
- To measure temperature
- Measurement of the Vital capacity
- Determination of blood groups
- Transport of food through esophagus
- Calculation and evaluation of daily energy and nutrient intake.
- Measurement of basal metabolic rate
- Demonstration of ECG
- Bile juice secretion and excretion 11. Urine formation and excretion
- Differential Leucocyte count by Peripheral blood smear.

**UNIT -2      Basic Concepts of Lab Technology-1**

1. Principles and working of laboratory instruments
2. Importance and methods of cleaning of glass apparatus
3. Calibration of apparatus and glassware
4. Preparation and standardization of volumetric solutions
5. Basic titration such as acid vs alkali, silver nitrate vs sodium chloride