

HUMAN ANATOMY & PHYSIOLOGY

Practicals Syllabus:

1. Study of compound microscope.
2. General techniques for the collection of blood.
3. Microscopic examination of Epithelial tissue, Cardiac muscle, Smooth muscle, Skeletal muscle, Connective tissue, and Nervous tissue of ready / pre-prepared slides.
4. Study of Human Skeleton-Axial skeleton and appendicular skeleton.
5. Determination of
 - a. Blood group
 - b. ESR
 - c. Haemoglobin content of blood.
 - d. Bleeding time and Clotting time
6. Determination of WBC count of blood.
7. Determination of RBC count of blood.
8. Determination of Differential count of blood.
9. Recording of Blood Pressure in various postures, different arms, before and after exertion and interpreting the results.
10. Recording of Body temperature (using mercury, digital and IR thermometers at various locations), Pulse rate/ Heart rate (at various locations in the body, before and after exertion), Respiratory Rate.
11. Recording Pulse Oxygen (before and after exertion).
12. Recording force of air expelled using Peak Flow Meter.
13. Measurement of height, weight, and BMI.
14. Study of various systems and organs with the help of chart, models, and specimens.
 - a) Cardiovascular system
 - b) Respiratory system
 - c) Digestive system
 - d) Urinary system
 - e) Endocrine system
 - f) Reproductive system
 - g) Nervous system
 - h) Eye
 - i) Ear
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