

VALUE ADDED COURSE

Basic Information about Physiology

Total : 30 Hours

Odd Semester

Unit-I Cell structure, components and their function. Elementary anatomy of various systems. Cardiovascular System, Blood and its composition, Blood groups, Coagulation of blood, Structure and function of heart, Heart rate, Cardiac output, Blood pressure and its regulation

Unit-II- Elementary knowledge of the Gastrointestinal System, Structure and functions of various organs of the G.I. tract, Digestion and absorption of food and role of enzymes and hormones. Reproductive System, Structure and function of Sex glands and organs including hormones

Unit-III Muscular-Skeletal System, Types of joints and their functions, Skeletal System-formation of bone. Disorder in the skeletal system. Respiratory System, Structure of lungs, Mechanism of respiration and its regulation

UNIT IV Excretory System, Structure and function of kidney, bladder, formation of urine, role of the kidney in homeostasis, Structure and function of skin, Regulation of body temperature

Practical of all above topics.

COURSE OUTCOMES

- Easy to learn the definition of Physiology.
- Gain information on Gastrointestinal System and reproductive system with their types.
- Provide a brief description of the muscular-skeleton system and respiratory system.
- Learn the problems related to the excretory system and diseases related to the above.