

PBM3110

HUMAN ANATOMY

Theory L/T (Hours per week): 3/0, Credit: 3

Module -I

Skeletal system: Types of bones, classification, Structure of bone, blood supply, Bones of appendicular And axial skeleton. Cartilage: Type, Structure in brief.

Joints: Classification, structure of synovial joint, major joints of the limbs, temporomandibular joint, atlanto-axial joint- in brief.

Muscle tissue: Types, structure of skeletal muscle in brief, types of muscles, major muscle of the limbs and their actions.

Module-II

Head and Neck

Neck: Anatomical triangles in neck, Scalp layers, Brain: parts of brain, brain stem, ventricles, CSF, meninges, cranial nerves, (names and functions only).

Spinal cord: Gross feature and structure in brief, spinal nerves, major nerve plexus in the body, and their branches, nerve ending and receptors.

Respiratory systems: Parts of upper respiratory tract, Lower respiratory tract, Lungs and bronchopulmonary segments.

Module-III

Heart: Structure of heart, Pericardium, Chambers, Blood supply (in brief), Major arteries and veins of the body

Lymphatic systems: Spleen: Organs in brief.

G.I.Tract: Oesophagus, Stomach, Intestines, Liver and biliary tract, Pancreas.

Genitourinary system: Kidneys, Ureters, Urinary bladder, Male and female reproductive organs- in brief.

Endocrine glands: Pituitary glands, Thyroid gland, Parathyroid glands, Endocrine pancreas, Renal medulla- in brief

Reference Books:

1. Anatomy and Physiology – Ross & Wilson , Churchill Livigstone publications.
2. Charles E.Tobin, Basic Human Anatomy, McGraw Hill, 1980
3. Best and Taylor, The Living Body; B.I Publication, 1980.
4. C. Tandan & Dr. Chandhramoli; Textbook of physiology for Dental studies. Dorpan Publications.
5. Gordon Sears, W.S & Winwood W.S; Anatomy & Physiology for Nurses, Revised edition.
6. Principles of Anatomy & Physiology – Tortora & Grabowski – Harper Collins College Publisher – latest edition