

**Human Anatomy & Physiology**

**B.Pharm 1<sup>st</sup> year I SEM**

**Question -02 marks**

- Define Sagital & Coronal plane.
- Write the function of Ribosome.
- Define Osteoblast & Osteocalst.
- Draw a well labeled diagram of Cell.
- Describe the role of smooth endoplasmic reticulum.
- Describe the physiology role of Golgi complex.
- What is Catabolism and Anabolism?
- Give the function of langerhans cell in skin.
- Identify the blood group known as universal donor?
- Define the systolic and diastolic blood pressure.
- Differentiate preganglionic and post ganglionic neurons.
- Write the tissue name known as Pacemaker?
- Write about the two main function of Skin.
- Write the name of pigment present in Rod and Cone cell.
- Name the bones present in the Ear.
- Explain the term autocrine and juxtacrine signaling.
- Name the gland which secretes wax in the ear.
- What is the difference between endocrine and exocrine gland?
- Write any two functions of Ribosomes.
- What do you mean by Heart rate?
- Write a short note regulation of blood pressure.
- Define Optic disc.
- Write the primary neurotransmitters of sympathetic and parasympathetic nervous system.
- Differentiate between thick and filament.

**Question -10 marks**

- Classify skeletal system & discuss about the structure and functions of vertebral column.

- Define Hemostasis. Explain in detail the process of blood coagulation with emphasis on extrinsic and intrinsic pathways along with the clotting factors.
- Discuss about the anatomy and physiology of eye with diagram.
- Discuss cell with well labeled diagram. Explain its organelles in detail.
- Discuss in detail about active transport process across plasma membrane.
- Draw a neat labeled diagram of Heart. Explain in detail Cardiac cycle.
- Define Cell division. Discuss about the somatic cell division in details.

## Question -07 marks

- Write about the structure and function of Plasma Membrane.
- Write a note on Erythropoietin.
- Write about the structure and function of Long bone.
- Discuss about the mechanism and physiology of hearing.
- Write a note on disorders related to heart.
- Describe Heart with well labeled diagram. Relate electrocardiogram (ECG) with it.
- What do you mean by anemia? Explain its various types.
- Write an elaborate note on structure and function of plasma membrane.
- Write a short note on cranial nerves with emphasis on their functions.
- Classify joints. Write a short note on synovial joints.
- Write a note on cardiac cycle.
- Write about various events occurs at neuromuscular junction.
- Explain the anatomy and physiology of lymph node.
- Discuss in detail about lymph circulation and functions of lymphatic system.
- Describe the mechanism of Blood Coagulation.