



**Shree H. N. Shukla Institute of Pharmaceutical  
Education and Research, Rajkot**

**B. Pharm  
Semester-I**

**Subject Name: Human Anatomy & Physiology-I  
Subject Code: BP101TP**

**Chapter-1**

1. Write in detail about the level of structural organization and systems.
2. Explain control system of body by suitable example.
3. Define human anatomy and physiology.
4. Define following terms: 

1) Anterior	5) Superior
2) Posterior	6) Inferior
3) Medial	7) Proximal
4) Lateral	8) Distal
5. What is passive transport? Give structure of mitochondria.
6. What is facilitated diffusion?
7. Explain different phases of cell division.
8. Explain mitosis with diagram.
9. Explain various transport process across cell membrane.
10. Differentiate animal cell and plant cell with diagram.
11. Enumerate different type of tissue. Give detail of any two of them with suitable example.
12. What is connective tissue; give its classification and function.
13. Explain detail of nervous tissue with suitable diagram.
14. Explain detail of muscular tissue with suitable diagram.

**Chapter-2**

1. What is the different layer of skin with a labeled diagram?
2. Explain note on dermis.
3. What is the function of skin?
4. Give classification of joints with diagrams.
5. Brief note on axial skeleton system with suitable diagram.

**Chapter-3**

1. Write note on body fluids.
2. What is the function of blood plasma?
3. Explain blood clotting process.
4. Write note on plasma in detail.
5. What is anaemia? Give classification of anaemia.
6. Write a note on lymphatic tissues and organs.

7. Write note on lymph nodes.

**Chapter-4**

1. Define motor nerves.
2. Write note on cranial nerves.
3. Write note on sympathetic nervous system.
4. Write note on parasympathetic nervous system.
5. What is receptor? Explain with classification.
6. Draw diagram of section of head showing structure of EAR.
7. Draw diagram of membranous labyrinth.
8. Draw diagram of eye with anatomy and physiology.
9. Discuss power of accommodation of eye.
10. Discuss internal part of ear.
11. Explain structure and working of olfactory receptor.
12. Explain structure and working of gustatory receptor.

**Chapter-5**

1. What is ECG? Draw ECG diagram.
2. Draw labeled diagram of heart.
3. What is cardiac cycle?
4. What is RAAS in regulation of blood pressure?
5. Name blood vessels of heart and why the blood cannot go back during ventricular systole?
6. Describe structure of arteries, veins and capillaries with labeled diagrams.
7. Define: 1) pulse pressure  
2) Murmur  
3) Pacemaker