

**UKA TARSADIA UNIVERSITY  
MALIBA PHARMACY COLLEGE**

**B. Pharm Sem-I  
Internal Examination**

**030020106 Anatomy Physiology & Health Education**

**Date: 17 / 12 /2011**

**Time:11-00 am-12-30 pm  
Total Marks: 30**

**Instructions:**

1. All Questions are compulsory.
2. Figures to the right indicate full marks.

**Q.1**

- A) Give functions of followings (any 4) 4**
- |                  |               |                         |
|------------------|---------------|-------------------------|
| 1) Mitochondria  | 2) Platelets  | 3) Neuron               |
| 4) Gastric juice | 5) Lymph node | 6) Coronary circulation |
- B) Answer the following (any 4) 8**

1. What is the difference between Serum and Plasma?
2. What is Abduction and Adduction?
3. Define Stroke volume and cardiac cycle
4. What is anemia? Enlist various types of anemia.
5. Differentiate between active and passive immunity.
6. Draw the labeled diagram of a cell.

**Q.2**

- A) Define Blood Pressure. How B. P. is regulated? Give the significance of renin-angiotensin system for the same. 8**

**OR**

- A) Write a detailed note on physiology of Muscle contraction 4**
- B) Draw the labeled diagram of Heart 4**

**Q.3 Attempt following(any 2) 10**

- A) Discuss the different phases of gastric acid secretion.
- B) Write note on RBC life cycle
- C) Classify joints and write a detail note on Synovial Joint.
- D) Enlist the various phases of Cell cycle? Explain in detail Mitotic phase.