

# C.U.SHAH UNIVERSITY

## Winter Examination-2015

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

**Subject Code: 4PS01HAP1**

**Branch: B.Pharm**

**Semester: 1    Date:9/12/2015    Time: 10:30 To 1:30    Marks: 70**

**Instructions:**

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

- Q-1** Define the following **(14)**
- |               |                 |             |                  |
|---------------|-----------------|-------------|------------------|
| a. Cervical   | b. Abdominal    | c. Carotid  | d. Intracellular |
| e. physiology | f. Phagocytosis | g. Duct     | h. Cell          |
| i. Tissue     | j. Oral         | k. Leukemia | l. Distal        |
| m. GIT        | n. Proximal     |             |                  |

**Attempt any four questions from Q-2 to Q-8**

- Q-2** a. Draw labeled diagram of human cell and give brief account on mitochondria. **(7)**  
 b. Classify tissue. Draw labeled diagram of neuron. **(7)**
- Q-3** a. Write a note on differential WBC. **(7)**  
 b. What is blood? Enumerate various components and functions of blood. **(7)**
- Q-4** a. Define blood pressure. Explain the role of rennin angiotensin system in regulation of blood pressure. **(7)**  
 b. Draw labeled diagram of heart. Explain SA node and Purkinje fiber. **(7)**
- Q-5** a. Enumerate various anatomical structures GIT. **(8)**  
 b. Write the physiological functions of saliva, gastric HCl and pancreatic juice. **(6)**
- Q-6** a. Explain the following: allergy , Acquired immunity and Innate immunity. **(6)**  
 b. Explain Physiology of muscle contraction. **(8)**
- Q-7** a. Write the name of different lymph node and gland .and their positions and functions. **(7)**  
 b. What is haemostasis?.Write the name of clotting factors. **(7)**
- Q-8** a. Discuss different types of synovial joints. Write importance of synovial fluid. **(7)**  
 b. Explain in brief cardiac Cycle. **(7)**

