

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Human Anatomy & Physiology - I

Subject Code: 4PS01HAP1

Branch: B.Pharm

Semester: 1

Date: 30/03/2017

Time: 10:30 To 01:30

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. cardiac | c. Carotid | d. Intracellular |
| e. physiology | f. Pinocytosis | g. Duct | h. lumber |
| i. Tissue | j. Buccal cavity | k. Leukemia | l. Lateral |
| m. CVS | n. ventral | | |

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

- Q-2** a. Draw label diagram of Plasma membrane and explain transport mechanism of plasma membrane. **(7)**
- b. Classify tissue epithelial tissue. Write the position and function of Ciliated epithelium **(7)**
- Q-3** a. Classify WBC. Give brief account on neutrophils, eosinophils and basophils **(7)**
- b. Classify cellular and non-cellular component of blood and explain about cellular component of blood. **(7)**
- Q-4** a. Define blood pressure. Explain the role of rennin angiotensin system in regulation of blood pressure. **(7)**
- b. Write Brief Note no: SA node, Purkinje fiber and Angina pectoris. **(7)**
- Q-5** a. Enumerate various anatomical structures GIT. **(7)**
- b. Write the physiological function of gastric HCl and pancreatic secretion and bile. **(7)**
- Q-6** a. Explain the following: Acquired immunity, Innate immunity and Autoimmunity. **(7)**
- b. Explain Physiology of muscle contraction. **(7)**
- Q-7** a. Write the name of different lymph node and gland and their position and function. **(7)**
- b. Classify the clotting factors and write the mechanism of clotting. **(7)**
- Q-8** a. Discuss different types of synovial joints. Write importance of synovial fluid. **(7)**
- b. Explain in brief cardiac Cycle. **(7)**

