

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Human Anatomy and Physiology I- Theory

Subject Code : BP101T

Branch: B. Pharm

Semester : 1

Date : 26/11/2018

Time : 02:30 To 05:30

Marks : 75

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.

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|------------|---|-------------|
| Q-1 | Attempt the following questions: | (20) |
| | a) Give classification of WBC | 2 |
| | b) Explain the heart sound | 2 |
| | c) Explain synapse | 2 |
| | d) What is cardiac output | 2 |
| | e) Define human anatomy and human physiology | 2 |
| | f) Define Intracellular and extracellular fluid | 2 |
| | g) Differentiate between active and passive transport mechanism | 2 |
| | h) Differentiate between skeletal muscle and cardiac muscle | 2 |
| | i) Explain osmosis | 2 |
| | j) Give the name of heart valves | 2 |

Attempt the following questions:

| | | |
|------------|---|-------------|
| Q-2 | Attempt the following questions (Any Two): | (20) |
| | A Describe in detail about neuro muscular junction with physiology of muscle contraction | 10 |
| | B What is blood? Give the composition of blood. Discuss about blood clotting mechanism | 10 |
| | C Describe in detail about action potential. Discuss correlation between ECG and heart beat | 10 |
| Q-3 | Attempt the following questions (Any Seven): | (35) |
| | A What is cell? Draw a well labelled diagram of cell. | 5 |
| | B Classify the tissues? Describe in detail about neuron | 5 |
| | C Describe in detail about erythropoiesis process | 5 |
| | D Classify nervous system. Differentiate between ANS and SNS | 5 |
| | E Describe in detail about cardiac cycle | 5 |
| | F Describe in detail about various types of joint movements | 5 |
| | G What is eye ball? Draw a well labelled diagram of eye ball. | 5 |
| | H Describe in detail about rennin angiotensin aldosterone system | 5 |
| | I What is heart? Draw labelled diagram of heart | 5 |

