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B PHARM
(SEM I) THEORY EXAMINATION 2017-18
HUMAN ANATOMY, PHYSIOLOGY

*Time: 3Hours**Max. Marks: 75***Note:** Attempt all Sections. Assume missing data, if any.**SECTION – A****1. Attempt all questions in brief. 10 x 2 = 20**

- a. Define sagittal & coronal plane.
- b. What is catabolism and anabolism?
- c. Define Osteoblast & Osteocalst.
- d. Draw a well labeled diagram of cell
- e. What do mean by Rh factor?
- f. Write about the two main functions of lymphatic system.
- g. Write the name of pigment present in rod and cone cell.
- h. Name the bones present in the ear.
- i. Define cell junction and its types.
- j. Explain the term paracrine & endocrine signaling.

SECTION – B**2. Attempt any seven parts of the following: 7 x 5 = 35**

- a. Write about the structure and function of plasma membrane.
- b. Explain the physiology of skeletal muscles contraction.
- c. Write about the structure and function of long bone.
- d. Write a note on erythropoiesis.
- e. Differentiate between sympathetic and parasympathetic nervous system
- f. Discuss about the mechanism of physiology of hearing.
- g. Write a note on ECG.
- h. Discuss conducting system of heart.
- i. Write about the structure & function of skin.

SECTION – C**3. Attempt any two of the following: 10x2 = 20**

- a. Classify skeletal system & discuss about the structure and function of vertebral column.
- b. Draw a neat labeled diagram of heart. Explain in detail cardiac cycle.
- c. Define blood coagulation. Write in details about different stages involved in blood coagulation.