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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 sagital & 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.

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