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B PHARM
(SEM- 1) THEORY EXAMINATION 2018-19
HUMAN ANATOMY AND PHYSIOLOGY

Time: 3 Hours | *Total Marks: 75*

SECTION A

1. Attempt *all* questions in brief. **10 x 2 = 20**

a. Explain the term autocrine and juxtacrine signaling.

b. Name the gland which secretes wax in the ear.

c. What is hemoglobin? What are its normal values in humans and write about its importance in human body?

d. What is the difference between endocrine and exocrine gland?

e. Define autophagy and autolysis.

f. Write any two functions of Ribosome.

g. Differentiate between thick and thin filament.

h. Name the largest nerve of human body.

i. What do you mean by Heart rate?

j. Write the primary neurotransmitters of sympathetic and parasympathetic nervous system.

SECTION B

2. Attempt any *two* parts of the following: **2 x 10 = 20**

a. Define Hemostasis. Explain in detail the process of blood coagulation with emphasis on extrinsic and intrinsic pathways along with the clotting factors.

b. Discuss about the anatomy and physiology of Eye with diagram.

c. Discuss in detail about active transport process across plasma membrane.

SECTION C

3. Attempt any *five* parts of the following: **7 x 5 = 35**

a. What do you mean by anemia? Explain its various types.

b. Write an elaborated note on structure and function of plasma membrane.

c. Write a short note on cranial nerves with emphasis on their functions.

d. Classify joints. Write a short note on synovial joint.

e. Write about various events occurs at neuromuscular junction.

f. Write a note on cardiac cycle.

g. Explain the anatomy and physiology of lymph node.

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