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

Time: 3 Hours

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Total Marks: 75

SECTION A

- 1. Attempt all questions in brief. 10 x 2 = 20**
- Explain the term autocrine and juxtacrine signaling.
 - Name the gland which secretes wax in the ear.
 - What is hemoglobin? What are its normal values in humans and write about its importance in human body?
 - What is the difference between endocrine and exocrine gland?
 - Define autophagy and autolysis.
 - Write any two functions of Ribosome.
 - Differentiate between thick and thin filament.
 - Name the largest nerve of human body.
 - What do you mean by Heart rate?
 - Write the primary neurotransmitters of sympathetic and parasympathetic nervous system.

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SECTION B

- 2. Attempt any two parts of the following: 2 x 10 = 20**
- Define Hemostasis. Explain in detail the process of blood coagulation with emphasis on extrinsic and intrinsic pathways along with the clotting factors.
 - Discuss about the anatomy and physiology of Eye with diagram.
 - Discuss in detail about active transport process across plasma membrane.

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SECTION C

- 3. Attempt any five parts of the following: 7 x 5 = 35**
- What do you mean by anemia? Explain its various types.
 - Write an elaborated note on structure and function of plasma membrane.
 - Write a short note on cranial nerves with emphasis on their functions.
 - Classify joints. Write a short note on synovial joint.
 - Write about various events occurs at neuromuscular junction.
 - Write a note on cardiac cycle.
 - Explain the anatomy and physiology of lymph node.