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B PHARM
(SEM I) THEORY EXAMINATION 2022-23
HUMAN ANATOMY AND PHYSIOLOGY-I

Time: 3 Hours**Total Marks: 75****Note:** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

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

- (a) Define the function of osteoblast and osteoclast.
- (b) What is autophagy and autolysis?
- (c) What is Rh factor?
- (d) Give the function of tenth cranial nerve.
- (e) Define cardiac cycle.
- (f) Define blood pressure.
- (g) Write the function of tongue.
- (h) Give the positive and negative feedback mechanism with example.
- (i) What is electrocardiogram?
- (j) What is optic disc?

SECTION B

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

- (a) Explain the cell and cell organelles in detail with labeled diagram.
- (b) Discuss heart physiology with well labeled diagram.
- (c) Classify axial skeletal system & discuss about the structure and functions of vertebral column.

SECTION C

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

- (a) What is hemostasis? Explain in detail the process of blood coagulation with emphasis on extrinsic and intrinsic pathways.
- (b) Classify the joints with main emphasis on synovial joints.
- (c) Discuss the anatomy and physiology of eye with diagram.
- (d) Give the composition and functions of blood along with the process of hemopoiesis.
- (e) Explain the various forms of intracellular signaling.
- (f) Discuss the structure and functions of sympathetic and parasympathetic nervous system.
- (g) Write a short note on lymphatic organs and functions of lymphatic system.