

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

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 Anatomy & Physiology.
- (b) Write the name of two neurotransmitter.
- (c) Write the name of Universal donar.
- (d) Define the term Synapse.
- (e) What do mean by Rh factor?
- (f) Write about the two main function of lymphatic system.
- (g) Write the name of pigment present in rod and cone cell.
- (h) Name the bones present in the ear.
- (i) What is cardiac output?
- (j) Write the name of power house of the cell.

SECTION B

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

- (a) Draw a well labeled diagram of plasma membrane and explain transport mechanisms across plasma membrane.
- (b) Classify Skeletal system & Discuss about the structure and function of Vertebral column.
- (c) Define blood coagulation. Write in details about different stages involved in blood coagulation.

SECTION C

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

- (a) Explain the anatomy of Heart with well labeled diagram.
- (b) Explain the physiology of hearing in detail.
- (c) Write a note on Blood Groups and explain Erthroblastosis fetalis.
- (d) Discuss the anatomy and physiology of Lymph node.
- (e) Draw a well labeled diagram of cell and its function.
- (f) Write a short note on Mitosis.
- (g) Describe the basic anatomy of Eye with the help of diagram.