

Department of Pharmaceutical Technology, Jadavpur University, Kolkata 700 032

B. Pharm. 1st year 1st Semester Examination 2022

END SEMESTER EXAM

Paper –Human Anatomy and Physiology I
Time – 03 hrs

Subject code BP101T
Full Marks – 100

ATTEMPT ALL QUESTIONS

SECTION A (35 marks)

- (Q1) Discuss in detail on Long term and Short Term Control of Blood Pressure (Use flow diagram for better representation of your answer). (10)
- (Q2) Write a note on Foetal Circulation and position and function of Restriction Vessel in blood vasculature. (10)
- (Q3) Explain different type of SHOCK and ATHEROMA affecting cardiovascular system. (15)

SECTION B (35 marks)

- (Q4) Draw and labels the different organelles of an animal cell. Mention important function of membrane protein. Write shortly about function of cell nucleus and mitochondria. (5+6+4=15)
- (Q5) Write notes on (*any two*): (10X2=20)
- a) Intercellular communication
 - b) Mitotic cell division
 - c) Function of blood
 - d) Stages of development of erythrocytes.

SECTION C (30 marks)

- (Q6) Discuss briefly the physiology of skeletal muscle contraction. (10)
- (Q7) Discuss briefly the different layers of epidermis. What are the different types of skin glands? Discuss briefly the functions of different types of skin glands. (5+5+5)
- (Q8) Discuss the typical structure of a long bone with the help of a diagram. (5)