

**I B. Pharmacy I Semester Supplementary Examinations, May - 2017**  
**HUMAN ANATOMY & PHYSIOLOGY-I**

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
 2. Answering the question in **Part-A** is Compulsory  
 3. Answer any **FOUR** Questions from **Part-B**

**PART -A**

1. a) Draw the diagram and write the function of the Nephron. (2M)
- b) What is the role of enzymes and secretions in the process of digestion? (2M)
- c) Write a Short note on Bronchi and Larynx. (2M)
- d) Draw the neat labeled structure of cell. (2M)
- e) Write the functions of granulocytes and agranulocytes. (2M)
- f) Describe briefly about physiology of skeletal muscle contraction. (2M)
- g) Explain the functions of Spleen. (2M)

**PART -B**

2. a) Define tissue and classify. Give detailed explanation on connective tissue. (7M)
- b) Explain the Classification of Joints with neat diagram and make a list of disorders of joints. (7M)
3. a) Write the composition of Blood and the process of Haemopoiesis. (7M)
- b) Write the names of clotting factors and mechanism of blood coagulation. Add a note on disorders of blood. (7M)
4. a) Draw a neat and labeled diagram of heart. Explain the Cardiac cycle and Cardiac output. (7M)
- b) Describe the composition formation and circulation of Lymph. (7M)
5. a) Explain the parts of the Respiratory system with neat diagram. (7M)
- b) Explain in detail about mechanism and regulation of respiration. Add a note on functions of respiration. (7M)
6. a) Describe the physiology of Urine formation. Write the role of Renin in Kidney. (7M)
- b) Write about Urinary tract disorders. (7M)
7. a) Explain the parts of Digestive system with neat labeled diagram. (7M)
- b) Write a note on motility of alimentary canal. Write the physiology and neutralization of gastric acid. (7M)