

**I B. Pharmacy I Semester Supplementary Examinations, February - 2020  
HUMAN ANATOMY & PHYSIOLOGY**

Time: 3 hours

Max. Marks: 70

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

1. a) Describe the structure of nervous tissue. (3M)
- b) What are the types of joints? (4M)
- c) Define Blood Coagulation, write a short note on clotting factors.. (4M)
- d) Write a short note on the events of cardiac cycle. (4M)
- e) Write a note on respiratory volumes. (4M)
- f) Explain the digestion of food in the Stomach. (3M)

**PART -B**

2. a) Write a note on the structure and functions of epithelial tissue. (8M)
- b) Describe the composition and functions of skeleton. (8M)
3. a) Write a note on the functions of reticulo endothelial system. (8M)
- b) Describe the formation and circulation of lymph. (8M)
4. a) Describe the structure and functions of the heart. (8M)
- b) Write a short note on chf, angina and cardiac arrhythmias. (8M)
5. a) Describe the anatomy and functions of respiratory organs. (8M)
- b) Write a note on the external and internal respiration. (8M)
6. a) Describe the composition and functions of secretions of the GI tract. (8M)
- b) Explain the physiology of regulation of motility of the GI tract. (8M)
7. a) Describe the hormonal and neuronal control of urine formation. (8M)
- b) Describe the structure and functions of nephron. (8M)