

**I B. Pharmacy I Semester Supplementary Examinations, February - 2019**  
**HUMAN ANATOMY & PHYSIOLOGY**

Time: 3 hours

Max. Marks: 70

- 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 functions of epithelial tissue. (3M)
- b) Write a note on the erythrocytes. (4M)
- c) Write a short note on ECG. (4M)
- d) Write a note on the functions of respiration. (3M)
- e) Write a note on digestion of food in the mouth. (4M)
- f) Write a note on the regulation of blood volume by the kidneys. (4M)

**PART -B**

2. a) Write a note on the structure and functions of muscular tissue. (8M)
- b) Write a note on the types of movements of the joints. (8M)
3. a) Describe the composition and functions of blood. (8M)
- b) Write a note on the formation and circulation of lymph. (8M)
4. a) Write a note on the circulation of blood in the heart. (8M)
- b) Describe the mechanisms of blood pressure regulation. (8M)
5. a) Write a note on the parts and functions of respiratory system. (8M)
- b) Write a note on the respiratory volumes and their significance. (8M)
6. a) Explain the secretions of gastrointestinal tract and their functions. (8M)
- b) Write a note on the movements of the gastrointestinal tract. (8M)
7. a) Write a note on the renin angiotensin system. (8M)
- b) Write a note on the physiology of formation of urine. (8M)