

**I B. Pharmacy I Semester Supplementary Examinations, February - 2019**  
**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) Describe the divisions of nervous system. (2M)
- b) Explain the disorders of joints. (2M)
- c) Describe briefly about cardiac cycle. (2M)
- d) Write a note vital capacity. (2M)
- e) What are the exocrine functions of the pancreas? (2M)
- f) Explain the structure of urinary bladder. (2M)
- g) Explain briefly the functions of spleen. (2M)

**PART -B**

2. a) Write a note on the types of epithelial tissue, their properties and functions. (7M)
- b) Describe composition and functions of skeleton. (7M)
3. a) Describe the composition and functions of blood. (7M)
- b) Write a note on the genesis and regulation of blood cells. (7M)
4. a) Write a note on the mechanisms of blood pressure regulation. (7M)
- b) Describe the circulation of blood through the heart. (7M)
5. a) Write a note on the anatomy and functions of parts of the respiratory system. (7M)
- b) Write a note on the exchanges of gases in the alveoli. (7M)
6. a) Write a note on the anatomical parts and functions of the GI tract. (7M)
- b) Describe the secretions their composition and functions of digestive system. (7M)
7. a) Write a note on the functions of renin angiotensin system. (7M)
- b) Explain any two kidney diseases. (7M)