

**I B. Pharmacy I Semester Supplementary Examinations, Jan/Feb - 2018**  
**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**
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**PART -A**

1. a) Describe the components of a cell. (2M)
- b) Describe the functions of connective tissue. (2M)
- c) Write a note on functions of reticulo endothelial system. (2M)
- d) Describe the structure of blood vessels. (2M)
- e) Write a note on the composition of lymph. (2M)
- f) Describe the functions of oxygen in the body. (2M)
- g) Write a note on the digestion of food in the mouth. (2M)

**PART -B**

2. a) Describe the structure and functions of muscular tissue. (7M)
- b) Write a note on the classification of joints. (7M)
3. a) With a neat diagram explain the functions of a neuron. (7M)
- b) Write a note on the physiology of muscle contraction. (7M)
4. a) Describe the composition and functions of blood. (7M)
- b) Write a note on the blood groups and their significance. (7M)
5. a) Describe the circulation of blood in the heart with a neat labeled diagram. (7M)
- b) Describe the physiology and functions of spleen. (7M)
6. a) Write a note on the anatomy of the respiratory organs. (7M)
- b) Write a note on the secretions of gastrointestinal tract. (7M)
7. a) Describe the structure and functions of Nephron. (7M)
- b) Describe the regulation of acid-base balance by the kidneys. (7M)