

Code No: B13104

**R13****SET - 1****I B. Pharmacy I Semester Supplementary Examinations, Jan/Feb - 2018****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**  
~~~~~**PART -A**

1. a) Describe the structure of cell. (3M)
- b) Write a note on blood groups and their importance. (4M)
- c) Write a note on events of cardiac cycle. (4M)
- d) Write a note on internal respiration. (3M)
- e) Describe the digestion of food in the mouth. (4M)
- f) Describe the functions of the Nephron. (4M)

**PART -B**

2. a) Describe the types and functions of muscular tissue. (8M)
- b) Write a note on structure, composition and functions of skeleton. (8M)
3. a) Write a note on mechanisms of coagulation of blood. (8M)
- b) Write a note on formation and circulation of lymph. (8M)
4. a) Describe the circulation of blood in the heart. (8M)
- b) Write a note on physiology and functions of Spleen. (8M)
5. a) Write a note on need for oxygen for metabolism of nutrients. (8M)
- b) Write a note on respiratory volumes and vital capacity. (8M)
6. a) Write a note on enzymes and secretions of the GI tract and their functions. (8M)
- b) Write a note on digestion of food in the stomach and its absorption. (8M)
7. a) Write a note on functions of renin angiotensin system (RAS). (8M)
- b) Write a note on physiology of formation of urine. (8M)