

I B. Pharmacy I Semester Supplementary Examinations, May - 2017
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 question in **Part-A** is Compulsory
3. Answer any **THREE** Questions from **Part-B**

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**PART -A**

1. a) Describe any three disorders of joints. (3M)
- b) Write short notes on Cardiac muscle and Non ciliated epithelial tissue. (4M)
- c) Give short notes on ECG and their applications. (3M)
- d) Describe the formation RBC. (4M)
- e) Define Lung volumes and write its normal values. (4M)
- f) Digestion of food in stomach. (4M)

**PART -B**

2. a) Define Anemia. Explain the types of Anemia. (6M)
- b) Classify the Blood components and explain its functions with neat diagrams. (10M)
3. a) Explain the structure and functions of nephron. (8M)
- b) Write a note on renal mechanism for formation, filtration and excretion of the urine. (8M)
4. a) Explain the External respiration, Internal respiration, functions of respiration. (8M)
- b) Explain mechanism of respiration with a neat labeled diagram of Lunge. (8M)
5. a) Draw the neat and labeled diagram of Heart and explain its parts. (8M)
- b) Enumerate disorders of cardio vascular system. (8M)
6. a) Write a note on classification of joints and explain in detail. (8M)
- b) Describe the various steps involved in the contraction and relaxation of skeletal muscle fibers with neat and labeled diagram. (8M)
7. a) Draw the neat and labeled diagram of Digestive system and explain its parts. (8M)
- b) Explain the Gastrointestinal secretions and their compositions and the functions of its regulations. (8M)

