

**Subject Code: B13104/R13**

**I B. Pharmacy I Semester Supplementary Examinations Aug. - 2015**

**HUMAN ANATOMY & PHYSIOLOGY-I**

**Time: 3 hours**

**Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**  
Answering the question in **Part-A** is Compulsory,  
Three Questions should be answered from **Part-B**

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**PART-A**

1. (a) Describe the properties of muscular tissue
- (b) Write a note on Blood Disorders
- (c) Discuss the Anatomical differences between Arteries and Veins
- (d) Draw a labeled diagram of Lungs
- (e) Write a note on Gastro Intestinal Secretions and their Composition
- (f) Write a note on Renin- angiotensin system [4+3+3+4+4+4]

**PART -B**

2. (a) Explain about various elementary tissues of the human body
  - (b) Discuss the composition and functions of Skeleton [10+6]
3. Write a note on the following
  - (a) Blood groups
  - (b) Coagulation Factors
  - (c) Blood Hormones
  - (d) Haemostasis [5+3+3+5]
4. (a) Enlist the factors effecting stroke volume and cardiac output
  - (b) Describe the structure and functions of Primary and secondary lymphatic organs. [8+8]
5. (a) Explain the pressure differences in lungs during Respiration
  - (b) Explain the transportation of O<sub>2</sub> and CO<sub>2</sub> in the body and factors affecting it? [8+8]
6. (a) Explain the process of Digestion and Absorption of Fats
  - (b) Write a note on regulation of Gastric motility and secretions [8+8]
7. (a) Explain the mechanism and Hormones regulating urine formation
  - (b) Discuss in detail about the functions of Urinary system [8+8]

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