

**Subject Code: B13104/R13****I B. Pharmacy I Semester Regular Examinations Feb. - 2014****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.(i) Draw a neat labelled diagram of digestive system
- (ii) Write a note on kidney diseases
- (iii) Enlist and define respiratory volumes
- (iv) Discuss the composition of lymph
- (v) Write a brief note on erythropoiesis
- (vi) What are the elementary tissues of human body?

[4+4+4+3+4+3]

**PART-B**

- 2.(a) Write a note on regulation of extracellular fluid volume in the body.
- (b) Explain in detail the composition of blood.

[6+10]

- 3.(a) Explain the process of formation of urine in detail.
- (b) Write a note on mechanism of coagulation of blood.

[10+6]

4. Write a short note on
  - (a) Spleen
  - (b) Blood groups
  - (c) Hepatic blood circulation
  - (d) Renin

[4+4+4+4]

- 5.(a) Write a note on ECG of heart.
- (b) Write a note on epithelial tissues.

[8+8]

6. Write a note on
  - (a) Vital capacity
  - (b) Cardiac cycle

[4+12]

- 7.(a) Explain the mechanism of transmission of impulses in skeletal muscle.
- (b) Explain the mechanism of respiration

[8+8]