

First Year Pharm D Degree Examinations - August 2013

Human Anatomy and Physiology

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(3x10=30)

1. Draw a neat labeled diagram of nephron and explain its parts. Explain in detail about the mechanism of urine formation. (3+7)
2. Explain the anatomy of small intestine and stomach. Add a note on absorption of carbohydrates (6+4)
3. Draw the structure of a typical cell. Enlists its components and its functions. (4+6)

Short notes:

(8x5=40)

4. Disorders of joints
5. Epithelial tissues
6. Cardiac cycle
7. Respiratory volumes
8. Physiological properties of skeletal muscles
9. Functions of sympathetic nervous systems
10. Acid-base balance by kidney
11. Oogenesis
