

**First Year Pharm D Degree Examinations- July 2015**

**Human Anatomy and Physiology**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Explain the anatomy of respiratory organs. Discuss the physiology of respiration. (5+5)
2. Draw a neat labeled diagram of ear and add a note on physiology of hearing (6+4)
3. Explain the anatomy of testis and systems of ducts and discuss in detail about menstrual cycle. (10)

**Short notes:**

**(8x5=40)**

4. Digestive enzymes
5. ECG
6. Steps involved in erythropoiesis and its regulation
7. Liver
8. Functions of parasympathetic nervous system
9. Female reproductive hormones and their functions
10. Classify synovial joints with examples
11. Physiology of muscle contraction

\*\*\*\*\*