

First Year B.Pharm Degree Supplementary Examinations , April 2015

(2010 - Scheme)

HUMAN ANATOMY AND PHYSIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Explain transport of oxygen and carbon dioxide in blood. How they are exchanged in lungs and tissues. Explain the nervous control of respiration.
2. Discuss in detail about various stages of menstrual cycle. Mention the hormones which influence menstruation.
3. Describe the anatomy of stomach and discuss the composition and functions of gastric juice.

Short notes

(14x5=70)

4. Define reflex action. Draw and label the diagram of a reflex arc.
5. Describe the knee joint with the help of a diagram.
6. Name the functions of the testes and explain any one of them
7. Name various hormones produced by thyroid and parathyroid glands. Explain their functions
8. Physiology of hearing.
9. Classify different types of anemia.
10. Explain the juxtaglomerular apparatus and its function.
11. Explain the mechanism of blood clotting
12. Anatomy and physiological functions of liver
13. List the anterior pituitary hormones and mention the actions of any one of them
14. Explain the ECG with a neat diagram
15. Functions of pancreatic hormones
16. Briefly explain about Renin angiotensin-aldosterone axis
17. List out the differences in organization and functions of sympathetic and parasympathetic system.
