

First Year B.Pharm Degree Examinations - September 2012

HUMAN ANATOMY AND PHYSIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain the composition and functions of blood. Discuss the mechanism of blood coagulation.
2. Draw and label the parts of respiratory system. Discuss the mechanism of respiration.
3. Draw a neat labeled diagram of eye showing important anatomical structures. Explain the physiology of vision

Short notes

(14x5=70)

4. Define and classify joints. Add a note on ball and socket joint
5. Heart sounds.
6. Discuss the anatomy and physiological functions of liver
7. Define and outline the event of menstruation
8. Describe briefly on secretion, circulation and functions of cerebrospinal fluid
9. Describe the physiology of hearing
10. Briefly explain digestion and absorption of fats in gastro intestinal tract
11. Discuss the regulation of thyroid hormone secretion
12. Explain neuromuscular junction.
13. Parasympathetic innervations and its functions
14. Describe blood coagulation
15. List the functions of hypothalamus
16. Explain cardiac cycle
17. Discuss the basis of blood grouping
