

QP CODE:104006

Reg.No:

First Year B.Pharm. Degree Supplementary Examinations - March 2013

HUMAN ANATOMY AND PHYSIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Define hormones and list their functions . How do they act. List any five disorders related to hypo secretion of hormones.
2. Draw and label the parts of kidney and urinary tract . Discuss the physiology of urine formation.
3. Draw a neat labeled diagram showing important anatomical structures of ear. Discuss in detail the physiology of hearing.

Short notes

(14x5=70)

4. Classify bones based on any one criterion. Add a note on clavicle.
5. Heart sounds.
6. Discuss the anatomy and physiological functions of liver.
7. Define and explain reflex action.
8. List the functions of cerebrospinal fluid.
9. Describe the functions of medulla oblongata.
10. Briefly explain reticulo-endothelial system.
11. Discuss the physiological role of insulin.
12. Explain the properties of cardiac muscle.
13. Explain various changes that occur during menstrual cycle. How the hormones play a regulatory role in this process.
14. Discuss the functions of testosterone.
15. Transport of carbon dioxide in the blood.
16. Explain the process of digestion in the stomach.
17. Mechanism of respiration.
