QP CODE:114006 (2012 - Scheme) Reg.No:

First Year B.Pharm Degree Supplementary Examinations - March 2014

(2012 - Scheme)

HUMAN ANATOMY AND PHYSIOLOGY

Time: 3 Hours

- Answer all Questions.
- Draw equations wherever necessary.

Essay

- 1. Draw a neat, labeled diagram of animal cell and describe all the organelles present in the cell
- 2. Explain the synthesis, storage and secretion of thyroid hormones
- 3. Explain the formation, circulation and functions of cerebrospinal fluid.

Short notes

- 4. Disorders of joints.
- 5. Anatomy of heart with a neat labeled diagram
- 6. Second messenger system.
- 7. Structure of an nervous tissue
- 8. Enumerate various functions of lymphatic system.
- 9. Structure and function of liver
- 10. Anatomy of respiratory tract and mention the functions of trachea.
- 11. Structure of kidney with a neat diagram
- 12. Process of spermatogenesis
- 13. Explain the synthesis, secretion, regulation and functions of posterior pituitary hormone.
- 14. Vital centers of medulla oblongata.
- 15. Synthesis, storage and secretion of acetylcholine from parasympathetic nerve terminals.
- 16. Draw a neat labeled diagram of eye. Mention the functions of aqueous humor.
- 17. List various types of leucocytes and add a note on its functions.

Total Marks: 100

(14x5=70)

(3x10=30)

