QP CODE:104006	Reg.No:

First Year B.Pharm Degree Supplementary Examinations - September 2013

(2010 - Scheme)

HUMAN ANATOMY AND PHYSIOLOGY

Time: 3 Hours Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay (3x10=30)

- 1. Draw a neat labeled diagram of animal cell and describe all the organelles present in the cell
- 2. Explain the neural and hormonal mechanisms for regulation of blood pressure
- 3. Explain the synthesis, storage and secretion of thyroid hormones

Short notes (14x5=70)

- 4. Explain the exchange of gases in external and internal respiration.
- 5. Explain the physiology of hearing.
- 6. Compare and contrast graded potential and action potential in nervous tissue.
- 7. Describe the functions of liver.
- 8. Define homeostasis. Add a note on negative and positive feedback systems in human body.
- 9. Principle involved in blood grouping.
- 10. Compare and contrast the different types of muscular tissue.
- 11. Describe the functions of kidney.
- 12. Mechanisms of skin in thermoregulation.
- 13. Explain the physiology of menstruation.
- 14. Major functions of hypothalamus.
- 15. Structural and functional differences between autonomic and somatic nervous system.
- 16. Describe the bones of lower limb.
- 17. Draw a labeled diagram of nephron and list the differences between juxtamedullary and cortical nephrons.
