

First Year B.Pharm Degree Supplementary Examinations , April 2015

**(2012 - Scheme)**

**HUMAN ANATOMY AND PHYSIOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Define cardiac cycle. Describe the phases in a cardiac cycle.
2. Explain the structure and functions of the cerebellum.
3. Draw and label the nephron. Explain the mechanism of formation of urine

**Short notes**

**(14x5=70)**

4. Discuss the exocrine functions of pancreas.
5. Parasympathetic innervations and its function.
6. Discuss the physiology of vision.
7. Discuss the mechanism of blood clotting.
8. Functions and parts of a sperm cell.
9. Location, histology and hormones from Thyroid gland
10. Draw a neat labeled diagram of scapula.
11. Different muscles involved in respiration
12. Discuss the heart sound and its importance
13. Explain the regulation and secretion of anti diuretic hormone.
14. Ball and socket joints.
15. Describe the different phases of deglutition
16. Enumerate the functions of platelets.
17. General features of cardiac muscles.

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