

QP CODE: 114006 (New Scheme)

Reg. No:

**First Year B.Pharm Degree Supplementary Examinations
December 2017****HUMAN ANATOMY AND PHYSIOLOGY****(2012 - Scheme)****Time: 3 Hours****Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay**(3x10=30)**

1. Define cardiac cycle. Explain all the events in detail in relation with the heart sounds.
2. Enumerate various cranial nerves and explain their function. Explain how impulse transmission occurs across a synapse.
3. Explain the anatomy of human respiratory organs with the help of a neat labelled diagram.

Short notes**(14x5=70)**

4. Define blood pressure and give the normal values. Add a note on hypertension.
5. Physiology of hearing in humans
6. Mention about formation, storage, release and functions of thyroid hormones
7. Haemopoiesis
8. Briefly explain the functions of kidney
9. Cerebellum and cerebrospinal fluid
10. List the blood clotting factors
11. Functions of testosterone and estrogen
12. Glandular epithelium
13. List the important functions of sympathetic nervous system.
14. Types of joints and its disorders.
15. Explain oogenesis
16. Composition of blood
17. Appendicular skeleton.
