

**QP CODE: 104006 (Old Scheme)**

**Reg. No: .....**

**First Year B.Pharm Degree Supplementary Examinations October 2018**

**Human Anatomy and Physiology**

**(2010 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Describe in detail about classification of tissues, characteristics and their functions with example.
2. Describe the salient features of appendicular skeleton
3. Draw and label the structure of nephron. Add a note on formation of urine and micturition.

**Short Notes**

**(14x5=70)**

4. With a neat diagram, explain various parts of ECG. Add a note on its significance.
5. Lymphatic system
6. Blood groups and Rh system
7. Cell junctions and transport mechanisms
8. Sex hormones and their role
9. CSF and cerebral ventricles
10. Digestion and absorption of proteins from GIT
11. Disorders of sense organs
12. Transport of oxygen and carbon dioxide
13. Regulation of respiration
14. Pregnancy and parturition
15. Gastrointestinal hormones
16. Vital centres of medulla oblongata
17. Neurotransmitters

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