

**Q.P.Code 112014 (New Scheme)****Reg. No.:.....**

First Year BPT Degree Supplementary Examinations, April 2017

**PHYSIOLOGY**  
**(2012 - Scheme)****Time : 3 hrs****Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:****(2x14=28)**

1. Define blood pressure and mention its normal values. Explain the mechanism of short term regulation
2. Explain the origin, course, termination and functions of pyramidal tracts

**Short notes:****(4x8=32)**

3. Mechanism of Neuro-muscular Transmission
4. List the properties of reflexes
5. Visual pathway
6. Explain the mechanism of breathing

**Answer briefly:****(10x4=40)**

7. Heart sounds
8. Name various lung volumes and capacities
9. Name the components of reflex arc
10. List the functions of platelets
11. Name "three" hormones of anterior pituitary gland and give one action for each
12. Define GFR and mention its normal value
13. Saltatory conduction
14. List the functions of saliva
15. Give the physiological classification of sensory receptors
16. Name the photoreceptors and mention their functions

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