

First Year BPT Degree Supplementary Examinations, April 2017

PHYSIOLOGY
(2010 scheme)

Time : 3 hrs

Max marks : 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(2x10=20)**

1. With the help of a diagram explain about the conducting system of heart. Add a note on normal electrocardiogram. (6+4=10)
2. Describe the mechanism of excitation contraction coupling in skeletal muscle. Add a note on myasthenia gravis. (7+3=10)

Short notes: **(10x5=50)**

3. Lung volumes and capacities.
4. Functions of Hypothalamus.
5. Pressure changes during respiratory cycle
6. Cardiac Output.
7. Features of UMN and LMN lesion
8. Explain Cardio-vascular changes during exercise.
9. Structure of Neuron
10. Properties of Reflexes.
11. Pyramidal tract
12. Artificial respiration

Answer briefly: **(10x3=30)**

13. Anticoagulants
14. Motor unit
15. Action Potential.
16. Surfactant
17. Functions of bile
18. Cystometrogram
19. Diabetes mellitus
20. Combined pill
21. Taste buds
22. Sensory cortex
