

First Year BPT Degree Supplementary Examinations, October 2016

PHYSIOLOGY
(2010 scheme)

Time : 3 hrs

Max marks : 100

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

Essays:

(2x10=20)

1. Describe the structure of neuromuscular junction of a skeletal muscle. Add a note on mechanism of neuromuscular transmission (5+5=10)
2. Describe briefly the neural regulation of respiration.

Short notes:

(10x5=50)

3. Defecation reflex
4. Gate control theory of pain
5. Functions of middle ear
6. Reflex action
7. Fetoplacental unit
8. Counter current system in kidneys
9. Milk ejection reflex
10. Mechanism of gastric acid secretion
11. Heart sounds
12. Composition and function of lymph

Answer briefly:

(10x3=30)

13. Functions of thalamus
14. Features of UMN lesions
15. Test for hearing
16. Gigantism
17. Micturition reflex
18. Functions of saliva
19. Physiological dead space
20. Arterial piles
21. Neuroglia
22. Landsteiner's laws