

First Year BPT Degree Supplementary Examinations August 2018

**Physiology
(2010 scheme)**

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Give an account of origin, course and termination of pyramidal tract
2. Explain oxygen transport in detail

Short notes:

(10x5=50)

3. Brief note on surfactant and compliance of lungs
4. Junctional tissue of the heart
5. Define referred pain. Give suitable examples
6. Explain cardiac output in detail
7. Properties of nerves
8. Explain the events of neuro muscular transmission in detail.
9. Describe the changes in respiratory system during exercise.
10. Explain hypoxia in detail
11. Site the difference of first and second heart sounds.
12. Explain 'four' properties of sensory receptors

Answer briefly:

(10x3=30)

13. Functions of medulla
14. What is PCV. Give the normal values
15. Define dead space and list the types
16. Name four G.I hormones and list two action of each
17. Myasthenia gravis
18. Erythrocyte sedimentation rate
19. Define isotonic and isometric contraction. Give an example for each
20. Functions of liver
21. List "two" features of segmentation movement of small intestine
22. Functions of saliva
