

Q.P.Code 102014 (Old Scheme)**Reg. No.:.....****First Year BPT Degree Supplementary Examinations February 2019****Physiology**
(2010 Scheme)**Time : 3 hrs****Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

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

1. Define cardiac cycle and it's normal values.Explain it's events in detail
(1+3+6)
2. Name the respiratory centers. Describe the nervous regulation of respiration. (1+6+3)

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

3. Name the properties of synapse. Explain any two in detail
4. Referred pain
5. Draw,label and explain pain pathway.
6. Functions of hypothalamus.
7. Lung volumes and capacities
8. Draw a labelled diagram of ECG by limb lead II. Add a note on P-R interval
9. Oxygen dissociation curve
- 10.Explain with a diagram neuromuscular transmission
- 11.VO2 max
- 12.Difference between skeletal and cardiac muscle

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

13. Wallerian degeneration
14. Female contraceptive methods
15. Refractory errors of eye
16. Difference between diabetes mellitus & diabetes insipidus
17. Cardiovascular changes during exercise
18. Differences between facilitated diffusion and active transport
19. Anticoagulants
20. Parkinsonism.
21. Surfactant
22. Spermatogenesis
