

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
