

# **2010 Scheme**

**Q.P.Code 102014**

**Reg. No.:.....**

## **First Year BPT Degree Supplementary Examinations July 2022**

### **Physiology**

**Time : 3 hrs**

**Max marks : 100**

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers*
- *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(2x10=20)**

1. Describe the coagulation process in detail. Add a note on tests for coagulation. (6+4)
2. Describe the dorsal column tract and its functions. Add a note on sensory ataxia. (8+2)

**Short Notes:**

**(10x5=50)**

3. Clinical features of Cushing syndrome
4. Conducting system of heart
5. Explain second stage of deglutition
6. Define glomerular filtration rate. Explain the factors regulating it.
7. Describe the functions of bile salts.
8. Explain the role of inspiratory and expiratory muscles in the mechanics of breathing.
9. Name the different mechanism transport systems across the membrane. Add a note on active transport mechanism with examples
10. Cross matching
11. Sino aortic mechanism of blood pressure regulation
12. Feedback control of hormonal secretion

**Answer briefly:**

**(10x3=30)**

13. Saltatory conduction
14. Differences between first heart sound and second heart sound
15. Erythroblastosis foetalis
16. Define muscle fatigue and mention the causes of fatigue
17. Phagocytosis
18. Enumerate the changes occur when one is exposed to hot climate
19. Respiratory changes during exercise
20. Define resting membrane potential. Add a note on the causes of resting membrane potential
21. Cystometrogram
22. Differences between cretinism and dwarfism

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