

2012 Scheme

Q.P.Code: 112014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations January 2024

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:

(2x14=28)

1. Define Reflex. Explain Reflex Arc in detail and mention the properties of Reflexes.
2. Define Hemostasis. Mention the stages of Hemostasis. Add a note on the mechanism of blood coagulation.

Short notes:

(4x8=32)

3. Functions of Hypothalamus.
4. Explain the mechanism of Arterial Blood Pressure regulation in the body.
5. Define Sarcomere. Explain the excitation-contraction coupling in detail.
6. Explain the phases of Gastric Juice Secretion.

Answer briefly:

(10x4=40)

7. Wallerian Degeneration.
8. Composition of Saliva and mention the functions of Saliva.
9. Hering-Breuer's Reflex.
10. Mention the Refractive Errors of the eye and their correction.
11. Differentiate T-lymphocytes from B-lymphocytes.
12. List the tests for Ovulation.
13. Differentiate between simple and facilitated diffusion.
14. Define REM and NREM sleep and differentiate their features.
15. O₂ Dissociation Curve.
16. Types of Jaundice.
