

2012 Scheme

Q.P.Code: 112014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations November 2025

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. Explain the origin, course, termination and functions of pyramidal tract. Add a note on hemiplegia.
2. Define cardiac cycle. What is its normal duration. Describe the mechanical and electrical events in cardiac cycle with the help of a diagram.

Short notes:

(4x8=32)

3. Describe the refractive errors and their correction.
4. Draw a normal spirogram. Explain the normal lung volumes and capacities.
5. Explain the mechanism of impulse transmission across a neuromuscular junction with the help of a diagram. Add a note on Myasthenia gravis
6. List the hormones secreted from anterior pituitary. Explain the physiological actions of growth hormone

Answer briefly:

(10x4=40)

7. Enumerate the functions of skin.
8. Intestinal motility.
9. Functions of basal ganglia.
10. Thermoregulation during exercise in hot environment.
11. Juxtaglomerular apparatus.
12. Endometrial changes in menstrual cycle.
13. Intrinsic coagulation mechanism.
14. Cushing's syndrome.
15. Effect of exercise on respiratory system.
16. List any four functions of hypothalamus.
