

2012 Scheme

Q.P.Code: 112014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations June 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. Define blood pressure. Give its normal value. Describe the factors influencing it. Add a note on hypertension.
2. Draw a labelled diagram of corticospinal tract. Describe its origin, course and termination. Add a note on hemiplegia.

Short notes:

(4x8=32)

3. Excitation contraction coupling in skeletal muscle.
4. Mechanism of HCl secretion in stomach.
5. Uterine changes during menstrual cycle.
6. Draw a normal spirogram. Explain the normal lung volumes and capacities

Answer briefly:

(10x4=40)

7. Neuron action potential.
8. Physiological actions of growth hormone.
9. Factors influencing Glomerular filtration rate.
10. Factors affecting cardiac output.
11. Anemia
12. Hazards of blood transfusion.
13. Errors of refraction.
14. Functions of bile salts.
15. Micturition reflex.
16. O₂Hb dissociation curve.
