

2012 Scheme

Q.P.Code: 112014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations June 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. Explain the mechanics of breathing. Add a note of ventilation-perfusion ratio and its importance.
2. Describe in detail the origin, course and functions of pyramidal tracts.

Short notes:

(4x8=32)

3. Enumerate the posterior pituitary hormones and discuss the physiological action of each of it.
4. Explain the phases of menstrual cycle.
5. Explain cardiac cycle and tabulate the differences between the I and II heart sounds.
6. Define Anemia. Briefly explain the clinical classification of Anemia.

Answer briefly:

(10x4=40)

7. Landsteiner's law.
8. Define resting membrane potential.
9. Define dead space and mention the types of dead space.
10. Add a note on mechanism of defaecation.
11. Functions of placenta.
12. Physiological functions of growth hormone.
13. Functions of kidney.
14. Enterohepatic circulation.
15. Define referred pain. Give an example with its physiological basis.
16. Differentiate between Exocytosis and Endocytosis.
