

2012 Scheme

Q.P.Code: 112014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations January 2023

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 cardiac output. Discuss the factors that regulate cardiac output, explain the changes in cardiovascular system during exercise.
2. Explain the structure and functions of Neuromuscular Junction with a neat diagram.

Short notes:

(4x8=32)

3. Composition, functions and circulation of CSF.
4. Draw a diagram of the reflex arc and discuss the classification of reflexes.
5. Hypoxia.
6. What are the refractive errors of Eye.

Answer briefly:

(10x4=40)

7. Differences between myelinated and unmyelinated nerve fibres.
8. Body fluid compartments.
9. Hypovolemic shock.
10. Transport of Oxygen.
11. Functions of placenta.
12. Cushing's syndrome.
13. Effect of exercise on respiratory system.
14. Juxtaglomerular apparatus.
15. Spermatogenesis.
16. Any 4 functions of Hypothalamus.
