

2012 Scheme

Q.P.Code: 112014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations July 2022

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. Name the respiratory centres. Describe the nervous regulation of respiration in adult.
2. What is the normal duration of cardiac cycle. Explain left ventricular pressure changes in cardiac cycle.

Short notes: (4x8=32)

3. Visual pathway and effect of lesions.
4. Short term regulation of blood pressure.
5. Maternal changes occurring in pregnancy.
6. Neuromuscular transmission. Add a note on myasthenia gravis.

Answer briefly: (10x4=40)

7. Slow pain pathway.
8. Pathway for conduction of impulse in human heart. Add a note on A-V nodal delay.
9. Refractory errors and their correction.
10. Define chronaxie and rheobase. Draw a labeled diagram of strengthduration curve.
11. Define fatigue. What are the causes for fatigue.
12. Micturition reflex.
13. Composition and functions of saliva.
14. Explain properties of synapse.
15. Functions of basal ganglia.
16. Functions of hypothalamus.
