

2012 Scheme

Q.P.Code: 112014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations February 2020

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. Describe the origin, course and termination of corticospinal tract. Add a note on hemiplegia.
2. Name the respiratory centers in the brain. Explain the neural regulation of respiration

Short notes:

(4x8=32)

3. Define systolic, diastolic and mean arterial blood pressure. How BP is regulated by the short term mechanisms.
4. Define vital capacity. Discuss the various factors that influence it.
5. Define cardiac cycle. Explain the phases of cardiac cycle
6. Define Neuromuscular junction. Explain the transmission of impulses across neuromuscular junction

Answer briefly:

(10x4=40)

7. Referred pain
8. Total body water content in humans
9. Heart sounds
10. Decompression sickness in divers
11. Hypocalcemic tetany
12. Cystometrogram
13. Myasthenia gravis
14. Colour blindness
15. Thermoregulation during exercise in hot environment
16. Acromegaly
