

Q.P. Code: 122014

Reg. No.:.....

First Year BPT Degree Examinations August 2018

**Paper II – Physiology
(2016 Scheme)**

Time: 3 hrs

Max marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x15=30)

1. Name and location of respiratory centers. Describe their role in regulation of respiration. Add a note on hypoxia.
2. Define BP and write its normal value. Explain nervous regulatory mechanism. Add a note on shock.

Short Essays

(4x10=40)

3. Define neuro muscular junction, Draw a neat labelled diagram. Explain the events
4. Describe the formation, circulation and functions of cerebrospinal fluid. Add a note on hydrocephalus
5. Explain lung volumes and capacities
6. Draw a labelled diagram of the pyramidal tract. Define monoplegia and hemiplegia. Specify the sites in this pathway which could cause monoplegia and hemiplegia.

Short Answers

(10x3=30)

7. Explain pain pathway
8. Explain any three functional properties of skeletal muscle and smooth muscle
9. Define refractory period. Explain its basis and significance
10. Dark adaptation
11. What is phonocardiogram. Tabulate the differences between first and second heart sounds.
12. Describe the changes in circulatory system during muscular exercise
13. Neuroglia
14. Name the GIT hormones. Explain the actions of any one.
15. Name the contraceptive methods in females. Explain the physiological basis of oral contraception.
16. Enumerate the functions of white blood cells. Explain any ONE in detail.
