

Q.P.Code: 112014

Reg. No.:.....

First Year BPT Degree Supplementary Examinations August 2019

Physiology

(2012 - Scheme)

Time : 3 hrs

Max marks : 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays:

(2x14=28)

1. What are the properties of skeletal muscle. Explain how an impulse is transmitted across neuromuscular junction with the help of a neat diagram.
2. Define blood pressure giving its normal values. Explain the factors affecting blood pressure. Add a note on short term regulation of blood pressure.

Short notes:

(4x8=32)

3. Degeneration of nerve fibres after nerve injury.
4. Explain the transport of oxygen in blood. Add a note on hypoxia
5. Functions of hypothalamus.
6. Visual pathway and effects of lesions.

Answer briefly:

(10x4=40)

7. Ventilation-Perfusion ratio and its importance.
8. Erythroblastosis foetalis.
9. Cretinism.
10. Functions of placenta.
11. Referred pain- mechanisms and examples.
12. Transport of carbon dioxide in blood.
13. Upper motor neuron lesion.
14. Iron deficiency anemia.
15. Conducting system of heart.
16. Composition and functions of gastric juice.
