

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 carbondioxide in blood.
13. Upper motor neuron lesion.
14. Iron deficiency anemia.
15. Conducting system of heart.
16. Composition and functions of gastric juice.
