

First Year BPT Degree Examinations - September 2012

PHYSIOLOGY

Time: 3 hrs

Max marks :100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Define anemia. Describe in detail the classification of anemia. Add a note on blood indices.
2. Name the hormones secreted by endocrine pancreas. Explain how these hormones regulate the glucose metabolism .

Short notes:

(10x5=50)

3. Functions of placenta
4. Differences between upper motor neuron and lower motor neuron lesion
5. Micturition
6. Name the phases of cardiac cycle and mention its normal duration
7. Contraception
8. Neuroglia
9. Skin and temperature regulation
10. Surfactant
11. Arterial blood pressure
12. Defaecation

Answer briefly:

(10x3=30)

13. Landsteiner's law
14. Gate control theory of pain
15. Rigor mortis
16. Taste buds
17. Active transport
18. Cushing's syndrome
19. Deadspace
20. Types of jaundice
21. Gastrin
22. Aqueous humor