

First Year BPT Degree Supplementary Examinations, April 2016

(2010 scheme)

PHYSIOLOGY

Time : 3 hrs

Max marks : 100

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

Essays:

(2x10=20)

1. Describe in detail the connections and functions of cerebellum.
2. Define erythropoiesis. Explain the stages of erythropoiesis and add a note on maturation factors. (1+6+3=10)

Short notes:

(10x5=50)

3. Pressure changes during cardiac cycle.
4. Hormones in calcium homeostasis.
5. Regulation of GFR.
6. Functions of hypothalamus.
7. Chemical regulation of respiration
8. Motor cortex
9. Functions of aqueous humor
10. Phases of deglutition
11. Cushing syndrome
12. Water reabsorption in renal tubule

Answer briefly:

(10x3=30)

13. Draw and label the normal electrocardiogram
14. Wallerian degeneration
15. List the functions of placenta
16. Refractory errors of eye
17. Referred pain
18. Diabetes insipidus
19. Active transport
20. Conductive deafness
21. Respiratory changes during exercise
22. Oxygen hemoglobin dissociation curve.
