

Q.P.Code 102013

Reg. No.:.....

First B.Sc Optometry Degree Supplementary Examinations - April 2014

GENERAL PHYSIOLOGY

Time : 3 hrs

Max marks : 80

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

Essays

(2x15=30)

1. Classify leucocytes. Describe the morphology and functions of leucocytes. (2+8+5=15)
2. Explain the composition and functions of pancreatic juice. Add a note on the regulation of pancreatic secretion. (6+9=15)

Short notes

(6x5=30)

3. Composition and functions of saliva.
4. Surfactant.
5. Myxoedema.
6. Hemophilia.
7. Functions of cerebellum.
8. Neural regulation of respiration.

Answer briefly

(5x2 = 10)

9. Anemia
10. Haemostasis
11. Nephron
12. Cardiac cycle.
13. Vital capacity.

One word answer

(10x1 = 10)

14. Normal blood sugar level.
15. Condition due to deficiency of thyroxine in children .
16. One hormone produced from the stomach.
17. Normal lifespan of RBC
18. Normal stroke volume
19. Normal platelet count
20. Cause of first heart sound
21. Type of lens used to correct astigmatism
22. Tract through which pain sensation is carried
23. Normal ESR value in females
