

Q.P.Code 102013

Reg. No.:.....

First Year B.Sc Optometry Degree Examinations - June 2015

GENERAL PHYSIOLOGY

Time : 3 hrs

Max marks : 80

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

Essays

(2x15=30)

1. Explain the mechanism of arrest of bleeding following an injury. (15)
2. Name the hormones secreted from thyroid gland and explain its actions. Add a note on hypothyroidism. (3+9+3=15)

Short notes

(6x5=30)

3. Refractive errors of eye.
4. Reflex action.
5. Conducting system of heart.
6. Movements of intestine.
7. Glomerular filtration
8. Vital capacity

Answer briefly

(5x2 = 10)

9. Cardiac output.
10. Packed cell volume
11. Anatomical dead space.
12. Functional residual capacity.
13. Cardiac cycle.

One word answer

(10x1 = 10)

14. Normal body temperature
15. Which wave in ECG is responsible for ventricular depolarization.
16. Main inspiratory muscle.
17. Site of storage of bile.
18. Which cells secrete insulin.
19. Part of the brain that maintain equilibrium.
20. Normal PCO₂ of arterial blood
21. Normal hemoglobin in male and female.
22. Normal residual volume.
23. Normal pulse rate.
