

First Year B.Sc Optometry Degree supplementary Examinations April 2017  
**GENERAL PHYSIOLOGY**  
**(2010 Scheme)**

**Time: 3 hrs****Max marks: 80**

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

**Essays****(2x15=30)**

1. Define coagulation. Describe the pathways of coagulation.
2. Define blood pressure and pulse pressure. Explain the neural regulation of blood pressure.

**Short notes****(6x5=30)**

3. Oxygen dissociation curve.
4. Functions of thalamus.
5. Movements of small intestine.
6. Olfactory pathway.
7. Factors influencing glomerular filtration rate.
8. Micturition reflex.

**Answer briefly****(5x2 = 10)**

9. Vital capacity
10. Dark adaptation
11. Anemia
12. Cardiac output
13. Neuroendocrine reflex

**One word answer****(10x1=10)**

14. Normal hemoglobin concentration in adult
15. Pacemaker of human heart
16. Normal respiratory rate in adult
17. Receptor that appreciates taste sensation
18. The three plasma proteins
19. Receptor for color vision
20. Condition due to deficiency of growth hormone
21. Largest WBC in blood
22. Normal serum bilirubin level
23. Hormone that lowers blood calcium level

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