

**B.Sc. (Hons.) IN OPTOMETRY AND  
OPHTHALMIC TECHNIQUES****Term-End Examination****June, 2009****BOS-003 : BASIC HUMAN SCIENCES***Time : 3 hours**Maximum Marks : 70***Note :** *1. This question paper contains Part A & Part B.**2. Answer any five questions from Part-A. Each question carries 8 marks.**3. Write short notes on any five from Part-B. Each short note carries 6 marks.***PART-A**Answer *any five* questions : **5x8=40**

1. Explain the structure and blood supply of the heart with the help of suitable diagrams.
2. Enlist the endocrine glands in the human body. Describe the structure and functions of any one endocrine gland.
3. Describe the process of urine formation. Enlist the various diseases in which abnormal constituents appear in the urine.
4. Define Proteins. Write composition, classification and functions of proteins.

5. Describe the structure, classification and metabolism of Bacteria.

6. Define inflammation. What are various types of inflammation ?

Describe the causes and signs of acute inflammation.

7. Describe the various legal terms associated with drugs.

8. Describe the causes, symptoms and diagnosis of Allergic Reactions.

Enlist various anti-allergic drugs for treatment of Allergy.

## PART-B

9. Write short notes on *any five* of the following : **5x6=30**

- (a) Functions of skin.
- (b) Cavities of the body.
- (c) Classification of carbohydrates
- (d) Diffusion, osmosis and dialysis.
- (e) Pathogenesis of Viral Infection
- (f) Cellular Adaptation
- (g) Drug Forms.
- (h) Local Anaesthetics.

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