

**B.Sc. (Hons.) IN OPTOMETRY AND OPHTHALMIC  
TECHNIQUES (BSCHOT)**

**Term-End Examination**

**June, 2014**

**BOS-003 : BASIC HUMAN SCIENCES**

*Time : 3 hours*

*Maximum Marks : 70*

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- Note :** 1. This question papers contains **Part-A** and **Part-B**.  
2. Answer **any five** questions from **Part-A**. Each Carries **8 marks**.  
3. Attempt **any five** short notes from **Part-B**. Each carries **6 marks**.
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1. (a) Describe the process of urine formation. (5+3)
- (b) Enlist the various diseases in which the abnormal constituents appear in the urine.
2. (a) Write definition and chemical composition (2+3+3) of carbohydrates.
- (b) How will you classify carbohydrates?
- (c) Enlist various functions of carbohydrates in the human body.

3. (a) Define respiration (1+4+3)
- (b) Describe various organs of respiratory system.
- (c) Explain the process of respiration
4. (a) Classify antipeptic ulcer drugs. (3+5)
- (b) Describe the management of peptic ulcer.
5. (a) Define Enzyme, co-Enzyme and co-factor (3+5)
- (b) Describe the characteristics, nature and functions of enzymes.
6. (a) Write the classification of fungi. (2+6)
- (b) Describe the diagnosis and treatment of FUNGAL INFECTIONS.
7. (a) Describe the causes, symptoms and diagnosis of allergic Reactions. (5+3)
- (b) Enlist various drugs used for the treatment of Allergy.

8. Write short notes on *any five* of the following 6x5=30

- (a) Composition of Blood
- (b) Connective Tissue
- (c) Cavities of the body
- (d) Sources of Drugs
- (e) Acid, Base and Salt
- (f) Diagnosis of fungal infections
- (g) Local Anaesthetics
- (h) Drugs used in Hypertension (High B.P.)

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