

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

Term-End Examination

June, 2011

BOS-003 : BASIC HUMAN SCIENCES

Time : 3 hours

Maximum Marks : 70

- Note :** (i) *This question paper contains two parts.*
(ii) *Attempt any five questions from Part-A. Each question carries 8 marks.*
(iii) *Attempt any five short notes from Part-B. Each carries 6 marks.*

PART - A

1. Describe parts of alimentary canal with the help of diagram. 8
2. Draw a well labelled diagram of heart and explain its functioning. 8
3. Describe a nephron and the physiology of urine formation. 8
4. Describe the various mode of drug metabolism in our body. 8

5. Explain the properties and uses of water. **8**
6. (a) Define carbohydrates **2+3+3=8**
(b) How will you classify carbohydrates ?
(c) Enlist the biological functions of the carbohydrates.
7. (a) Describe in brief the various methods of **4+4=8**
diagnosis of bacterial infections
(b) Discuss the control and treatment of bacterial infections.

PART - B

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

- (a) Lung volumes.
 - (b) Properties of muscular tissue
 - (c) Blood groups.
 - (d) Routes of administration of drugs.
 - (e) Neoplasia
 - (f) Transport processes of the cell.
 - (g) Cranial nerves.
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