

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

**Term-End Examination**

**June, 2016**

00107

**BOS-003 : BASIC HUMAN SCIENCES**

*Time : 3 hours*

*Maximum Marks : 70*

**Note :**

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

**PART A**

*Answer any **five** questions. Each question carries 8 marks.*

*5×8=40*

1. Describe the anatomy of the human ear with the help of well-labelled diagrams.
2. Enumerate the various enzymes of the digestive system and their functions.

3. Describe the structure of the Bacterial cell. Describe the difference between Gram Positive and Gram Negative Bacteria.
4. List the Endocrinal Glands. Describe the clinical features of Thyrotoxicosis.
5. Explain the various routes of drug administration.
6. Describe the classification, chemical composition and biological functions of Carbohydrates.
7. Describe the different types of leucocytes (White Blood Cells) and their functions.

## PART B

8. Write short notes on any *five* of the following. Each carries 6 marks.  $5 \times 6 = 30$

- (a) Ball and Socket Joint
  - (b) Types of Inflammation
  - (c) Tidal Volume
  - (d) Cranial Nerves
  - (e) Mitosis
  - (f) Malabsorption Syndrome
  - (g) Angina Pectoris
  - (h) Blood Groups
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