

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

Term-End Examination

00033 **December, 2016**

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.*
- (iv) *Support your answers with suitable diagrams wherever necessary.*

PART A

- 1. (a) Enlist the sense organs of human body.
- (b) Describe the structure and functions of any one sense organ. 2+6=8
- 2. Describe the composition and functions of the blood. 4+4=8

3. Explain the process of urine formation in the human body. 8
4. What is inflammation ? Describe the signs and symptoms of inflammation. 2+6=8
5. Describe in brief the drugs used in respiratory disorders. 8
6. Describe the composition, classification and functions of carbohydrates. 8
7. (a) Differentiate between gram-positive and gram-negative bacteria.
- (b) Enlist five gram-positive and gram-negative bacteria along with the diseases caused by them. 4+4=8

PART B

8. Write short notes on any *five* of the following : 5×6=30

- (a) Gastric Juice
 - (b) Types of Joints
 - (c) Routes of Drug Administration
 - (d) Diagnosis of Fungal Infections
 - (e) Local Anaesthetic Agents
 - (f) Functions of Skin
 - (g) Cranial Nerves
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