

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

Term-End Examination

00653

June, 2019

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

*Answer any **five** questions. Each question carries 8 marks. 5×8=40*

1. Describe the structure, classification and metabolism of bacteria with the help of suitable diagrams.
2. (a) Enlist various endocrine glands.
(b) Describe the structure of thyroid gland with the help of suitable diagram.
(c) Describe various antithyroid drugs.

3. (a) What is Diabetes Mellitus ?
(b) Describe the drugs used in Diabetes Mellitus.
4. (a) What is Inflammation ?
(b) Describe the signs and causes of acute inflammation.
5. (a) Draw a well-labelled diagram of the digestive system.
(b) Describe the process of digestion in the stomach.
6. Describe the physiology of excretion and urine formation.
7. Describe causes, symptoms and diagnosis of allergic reactions.
8. Describe the structure and functions of blood.

PART B

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

- (a) Female Reproductive System
 - (b) Types of Muscles in Human Body
 - (c) Routes of Drug Administration
 - (d) Functions of Skin
 - (e) Tuberculosis
 - (f) Antifungal Drugs
 - (g) Types of Blood Cells
 - (h) Cerebrospinal Fluid (CSF)
-