

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

Term-End Examination

December, 2010

BOS-003 : BASIC HUMAN SCIENCES

Time : 3 hours

Maximum Marks : 70

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

PART - A

1. Define tissue. How will you classify tissues ? 1+3+4=8
Describe various types of muscular tissue.

2. Describe various organs of the respiratory system.
Explain in brief the mechanism of respiration with
the help of diagrams. 2+3+3=8

3. (a) Describe the composition of blood. 4+4=8
(b) Explain the functions of blood.

4. (a) Explain the structure of bacteria. $2+3+3=8$
(b) How will you classify bacteria ?
(c) Enlist few diseases caused by bacteria.
5. (a) What is inflammation ? $2+3+3=8$
(b) Explain various causes of inflammation.
(c) Describe the signs of acute inflammation.
6. (a) Enlist various sources of drugs. $3+5=8$
(b) Describe various routes of administration of drugs in human body.
7. (a) Write definition and chemical composition of proteins. $2+3+3=8$
(b) How will you classify proteins ?
(c) Enlist the various functions of proteins in the human body.

PART - B

8. Write short notes on *any five* of the following : 5x6=30
- (a) Benedict's test
 - (b) Diagnosis of fungal infections
 - (c) Diseases of Endocrine Gland
 - (d) Cranial nerves
 - (e) Types of joints
 - (f) Drugs used in tuberculosis
 - (g) Malabsorption syndrome.
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