

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

Term-End Examination

June, 2013

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 carries 8 marks.*
 - (iii) *Attempt **any five** short notes from Part B.
Each question carries 6 marks.*

PART - A

1. Describe the basic anatomy of the Nervous System with diagrams. 8
2. Enumerate the various parts of the digestive system with diagram and their functions. 8
3. (a) Describe a nephron. 3+5
(b) Describe the physiology of excretion and urine formation.

4. (a) What are Proteins ? 2+3+3
(b) How will you classify the proteins ?
(c) Enlist the biological functions of proteins.
5. (a) Describe the various types of cellular adaptation processes. 4
(b) Enlist various types of drug forms. 4
6. (a) What is allergy ? Enlist the various causes of allergic reaction. 3+5
(b) How will you diagnose a patient with symptoms of allergic reaction ?
7. Describe the various routes of administration of drugs. 8

PART - B

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

- (a) Types and importance of Blood Groups
 - (b) Infections caused by Chlamydia
 - (c) Lung volumes
 - (d) Enzymes
 - (e) Broad spectrum Antibiotics
 - (f) Normal and abnormal constituents of urine
 - (g) Inflammation
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