

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

Term-End Examination

June, 2015

BOS-003 : BASIC HUMAN SCIENCES

Time : 3 hours

Maximum Marks : 70

Note : (i) *Answer any five questions from Part - A. Each carries 8 marks.*

(ii) *Answer any five questions from Part - B. Each carries 6 marks.*

PART - A

Answer **any five** questions.

8x5=40

1. What is basic unit of life ? Describe the various parts and functions of an animal cell. **8**
2. (a) Describe the various chambers, valves and vessels of the heart with the help of suitable diagrams. **4+4**
(b) Enumerate the various functions of blood.
3. Describe the structure, classification and metabolism of bacteria. **8**
4. (a) Enlist the different thyroid hormones. **3+5**
(b) Describe various antithyroid drugs.

5. (a) Classify Diabetes Mellitus. **4+4**
(b) Describe the drugs used in Diabetes Mellitus.
6. What is inflammation. Describe the signs and causes of acute inflammation. **2+6**
7. What are anaesthetics ? Describe the types and mode of action of anaesthetics with suitable examples. **2+6**
8. (a) Classify the fungus. **3+5**
(b) Describe the diagnosis of fungal infections.

PART - B

9. Write short notes on **any five** of the following : **6x5=30**
- (a) Functions of proteins
 - (b) Female reproductive system
 - (c) Diffusion and osmosis
 - (d) Routes of Drug administration
 - (e) Functions of skin
 - (f) Growth Hormone
 - (g) Glomerular Filtration
 - (h) Types of muscle
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