

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

**Term-End Examination**

**June, 2012**

**BOS-003 : BASIC HUMAN SCIENCES**

*Time : 3 hours*

*Maximum Marks : 70*

- Note :**
- (i) *This Question Paper contains Part-A and Part-B.*
  - (ii) *Answer any five questions from Part-A. Each carries 8 marks.*
  - (iii) *Answer any five questions from Part-B. Each carries 6 marks.*

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**PART-A**

Answer *any five* Questions.

**5x8=40**

1. Draw a well labelled diagram of vertical section of human heart. Describe the various chambers, valves and vessels of the heart with the help of suitable diagrams.
  
2. Describe the structure and functions of the pituitary gland. Briefly describe the role of the hormones secreted by the gland.

3. Describe the structure of various blood cells. Enumerate the various functions of the blood.
4. Describe the structure of an animal cell. Describe the functions of various organelles of the cell.
5. Classify different types of viruses. What are RNA viruses ?
6. Classify Antibacterial Agents. Describe the role of Cephalosporins in bacterial infections.
7. Describe briefly the disorders of the stomach and their management.
8. What are carbohydrates ? Describe the Benedict's Test.

## PART-B

9. Write short notes on *any five* of the following :

- (a) Lipoproteins 5x6=30
  - (b) Gram Negative Bacteria
  - (c) Male Reproductive system
  - (d) Glomerular Filtration
  - (e) Blood Groups
  - (f) Neuron
  - (g) Local Anaesthetic Agents
  - (h) Types of Joints
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