

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

**Term-End Examination**

00423

**December, 2016**

**BOS-004 : BASIC OCULAR SCIENCES**

*Time : 3 hours*

*Maximum Marks : 70*

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**Note :** *This paper contains two parts. Attempt **both** parts.*

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**PART A**

*Answer any **four** questions. Each question carries  
10 marks. 4×10=40*

1. Describe the different layers of cornea with a well-labelled diagram. 10
  
2. (a) Describe the various theories of accommodation. 5  
(b) What is convergence insufficiency? 5
  
3. Describe the process of aqueous humor formation and its drainage system. 10
  
4. Describe the various primary and secondary actions of Extra Ocular Muscles (EOMs). 10

5. How do you measure Visual Acuity in small children? 10
6. Describe the anatomy of the upper lid with the help of a well-labelled diagram. 10

## PART B

Write short notes on any **five** of the following.  
Each carries 6 marks.

5×6=30

7. (a) Marcus Gunn Pupil  
(b) EOG  
(c) Miotics  
(d) Corneal Transparency  
(e) Ishihara Chart  
(f) AC/A Ratio  
(g) Sphincter Pupillae Muscles  
(h) Macula Lutea
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