

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

Term-End Examination

December, 2012

BOS-004 : BASIC OCCULAR SCIENCES

Time : 3 hours

Maximum Marks : 70

- Note :**
- (i) *This question paper consists of two parts.*
 - (ii) *Part A contains 8 questions. Answer any five questions.*
 - (iii) *Part B contains 8 short notes. Write any five short notes.*

PART - A

Answer *any five* questions.

5x8=40

1. Describe anatomy of crystalline lens of the eye.
2. Describe the anatomy of eye lid with the help of a labelled diagram.
3. Describe various extra - ocular muscles and their actions.
4. Explain Visual Acuity. Describe the measurement of visual acuity.

5. Describe various pupillary defects.
6. Describe the etiology, causative organisms, symptoms, diagnosis, complications and treatment of Acute Mucopurulent conjunctivitis.
7. Classify antiglaucoma drugs. Describe the role of Beta - Blocker agents in management of glaucoma.
8. Discuss the various routes of drug administration in ophthalmology.

PART - B

Write short notes on the following (Any five) : 5x6=30

- (a) Dry eye.
 - (b) Colour vision
 - (c) Composition of aqueous humour
 - (d) Blood Ocular Barrier
 - (e) Electro-retinogram
 - (f) Convergence
 - (g) Worth four dot test
 - (h) Miotics
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