

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

Term-End Examination

June, 2015

BOS-004 : BASIC OCULAR SCIENCES

Time : 3 hours

Maximum Marks : 70

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

Answer any five questions : 8x5=40

1. Describe anatomy of the crystalline lens of the eye.
2. Name the various parts of visual pathway. Describe the anatomy of the optic nerve.
3. Define visual acuity and its components. How do you measure the visual acuity ?
4. Describe the tests for Binocular Single Vision.
5. Describe aetiology, symptoms, signs and treatment of bacterial conjunctivitis.

6. Describe the anatomy of lacrimal apparatus. Explain the tear drainage mechanism.
7. Classify antiglaucoma drugs. Describe mechanism of action, indications, dosage and adverse effects of Timolol Maleate.
8. Describe various dyes used in ophthalmology.

PART - B

9. Write short notes on **any five** of the following : **6x5=30**
 - (a) Intraocular pressure
 - (b) Marcus Gunn Pupil (RAPD)
 - (c) Colour vision
 - (d) Antibiotic Drugs
 - (e) Electroretinogram
 - (f) Pterygium
 - (g) Herpes simplex keratitis
 - (h) Latent squint
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