

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

Term-End Examination

June, 2012

BOS-004 : BASIC OCCULAR 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 :

5x8=40

1. Enlist the parts of the uveal tract. Describe the anatomy of iris and ciliary body.
2. Describe the layers of RETINA with a well labelled diagram.
3. Describe the physical properties of TEAR FILM. Explain the tear dynamics.
4. How is AQUEOUS HUMOUR formed ? Describe the pathway of aqueous outflow.

5. Describe the metabolism of cornea.
6. Describe the etiology, symptoms, effects and treatment of TRACHOMA.
7. Describe the various cycloplegic and mydriatics .
8. Classify anti inflammatory agents. Describe the mechanism of action of STEROIDS.

PART - B

9. Write short notes on the following (*any five*) 5x6=30
- (a) Light - Reflex
 - (b) Binocular movements
 - (c) Structure of cornea
 - (d) Glands of the eyelid
 - (e) Ocular lubricants
 - (f) Antiallergic Agents
 - (g) VIRAL conjunctivitis
 - (h) Corneal transparency.
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