

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

Term-End Examination

June, 2010

BOS-004 : BASIC OCCULAR SCIENCES

Time : 3 hours

Maximum Marks : 70

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. Explain the structure of cornea with the help of a diagram.
2. Describe the origin, insertion, nerve supply and blood supply of the extraocular muscles of the eye.
3. Describe the structure of Lacrimal apparatus with the help of a suitable diagram.
4. Define accommodation. Describe its mechanism along with theories of accommodation.

5. (a) Write down the parts of visual pathway.
(b) Explain the parts of optic nerve.
6. Describe the etiology, sign, symptom and treatment of acute dacryocystitis.
7. Describe in details the various routes of drug administration in ophthalmology.
8. Enumerate antiviral drugs used in ophthalmology. Describe any two in detail.

PART-B

9. Write short notes on the following (*any five*) : $5 \times 6 = 30$
- (a) Dark Adaptation
 - (b) Ciliary body
 - (c) Electro-Oculogram
 - (d) Colour Vision Assessment
 - (e) Carbonic Anhydrase Inhibitors
 - (f) Dyes used in ophthalmology
 - (g) Common Disorders of Lens
 - (h) Retinoblastoma
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