

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

Term-End Examination

June, 2011

BOS-004 : BASIC OCCULAR SCIENCES

Time : 3 hours

Maximum Marks : 70

Note : *Contains Part A and B.*

Part 'A'- Answer any five - each carries - 8 marks.

Part B - Answer any five - each carries - 6 marks.

PART-A

Answer *any five* questions :

8x5=40

1. Describe the embryology of the eye and its various structures.
2. Describe the structure of Retina and write in brief about each layer.
3. Explain in detail the visual cycle and mechanism of generation of impulse.
4. Explain the structures of optic nerve with the help of suitable diagrams.

5. Describe the process of aqueous formation and its drainage.
6. Describe the various types of keratitis.
7. What are miotics, mydriatics and cycloplegics ? Describe one agent of each group used in ophthalmology.
8. Describe various uniocular and binocular movements. Explain the laws governing the ocular movements.

PART - B

Write short notes on *any five*

6x5=30

1. Layers of choroid
 2. Muscles and glands in eye lids
 3. Lacrimal drainage system.
 4. Tear layers and their functions .
 5. Marcus Gun and Horners pupil
 6. Functions, forms and uses of ERG
 7. Scleritis
 8. Advantages of NSAIDS over steroids.
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