

00000

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

**Term-End Examination**

**December, 2011**

**BOS-004 : BASIC OCCULAR SCIENCES**

*Time : 3 hours*

*Maximum Marks : 70*

**Note :** *Contains Part - 'A' and 'B'.*

*Part - 'A' answer any five - each 8 marks.*

*Part - 'B' answer any six - each 5 marks.*

**PART-A**

Answer *any five* :

**8x5=40**

1. Why is cornea transparent ? Describe the various factors which are responsible for maintenance of its transparency.
2. Describe the embryology of various structures of the eye.
3. Explain the mechanism of accommodation. Describe the pathway of accommodation.
4. What is conjunctivitis ? Describe in detail the chemical features of various types of conjunctivitis.

5. Describe the structure corneal tract treats with the help of diagrams.
6. Describe ERG. EOG and VER ?
7. Describe the various layers of tear film. Explain the lacrimal drainage system with the help of diagrams.
8. What are antiseptics and disinfectants ? Describe the various antiseptics and disinfectants used in ophthalmology ?

## PART-B

Answer *any six*

6x5=30

1. Pseudo isochromatic plates for colour vision testing
  2. Visual cycle.
  3. Rods and cones
  4. Mydriatic and cycloplegics
  5. Beta blockers used for Glaucoma
  6. Marcus Gunn and Adies pupil
  7. Perimetry
  8. Trachoma.
-