

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

Term-End Examination

June, 2014

BOS-004 :BASIC OCULAR SCIENCES

Time : 3 hours

Maximum Marks : 70

Note : Part-A answer any five - each 8 marks.

Part B-Answer any six - each 5marks.

PART-A

Answer any five: Each question carries 8 marks.

1. Describe the dynamics and dysfunction of the TEAR FILM. Describe the treatment of DRY EYE. 8x5=40
2. Describe the anatomy of the extra ocular muscles of the eye. Ennumerate the functions of each muscle.

3. Describe the parts of the visual pathway? Describe visual Evoked response.
4. Describe the mechanism of corneal transparency. Describe Bullous keratopathy.
5. Classify the antiglaucoma drugs. Describe in detail the indications and mechanism of action.
6. Describe various mechanisms of accommodation. Enumerate the theories of accommodation.
7. Describe the inflammation of cornea. Describe in detail the types, clinical features and management of viral keratitis.

8. Describe the different layers of the eyelid with the help of a diagram.

PART-B

6x5=30

9. Answer **any six** questions. Each question carries 5 marks.

- (a) OPTIC Disc parameters.
- (b) Layers of Retina
- (c) UVEAL Anatomy
- (d) Morgagnian cataract
- (e) Sympathetic Ophthalmitis

(f) Marcus gunn pupil and adies pupil

(g) ERG (Electro-retinogram)

(h) Acute mucopurulent Conjunctivitis
