

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

Term-End Examination

December, 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.*

PART-A

Answer *any five* questions : **5x8=40**

1. With the help of a suitable diagram explain the microscopic structure of Retina & function of each layer.
2. Explain the process of aqueous formation & aqueous drainage from the eye.
3. Describe the various factors & theories responsible for corneal transparency.
4. List the various Tear Film Tests. Explain any two commonly used Tests.

5. Describe the anatomy of conjunctiva with the help of a diagram.
6. Define cycloplegics. Explain mechanism indications, contraindications and dosage of Atropine Sulphate.
7. (a) Define NSAIDs and give two examples
(b) Enumerate the indications of NSAIDs in ophthalmology.
8. Describe the etiology, signs, symptoms and treatment of Acute Mucopurulent Conjunctivitis.

PART-B

9. Write short notes on *any five* of the following 5x6=30

- (a) Superior Orbital Fissure
 - (b) Tests of BSV(Binocular Single Vision)
 - (c) Visual acuity assessment
 - (d) Fungal Keratitidis
 - (e) Chelating agents
 - (f) Beta Blockers
 - (g) Binocular movement
 - (h) Papilloedema
-