

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

Term-End Examination

December, 2015

BOS-004 : BASIC OCULAR 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 :

8x5=40

1. Describe anatomy of CORNEA.
2. Enumerate the various layers of the eyelid. Draw a labelled diagram of the cut section of upper eyelid.
3. How is aqueous humour formed ? Describe aqueous movement and outflow.
4. Describe binocular movements of eye. Explain the laws governing ocular movements.

5. Define visual fields and scotoma. Describe methods of visual field examination.
6. Describe the factors responsible for corneal transparency.
7. What are the causes of infective keratitis ? Describe the symptoms and signs of bacterial corneal ulcer.
8. Describe classification, indications and mechanism of action of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs)

PART - B

9. Write short notes on **any five** of the following : **6x5=30**
 - (a) Optic chiasma
 - (b) Tear drainage mechanism
 - (c) Contrast sensitivity
 - (d) Accommodation
 - (e) Optic atrophy
 - (f) Artificial tears.
 - (g) Diabetic retinopathy
 - (h) Visual evoked response
-