

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

Term-End Examination

June, 2011

**BOS-015 : OPTOMETRIC INSTRUMENTS AND
PROCEDURES**

Time : 3 hours

Maximum Marks : 70

*Note : (i) Attempt any seven questions.
(ii) Each carries 10 marks.*

1. (a) Explain the principle of keratometry
(b) Enlist the uses of keratometer
(c) Describe in brief the steps involved in Keratometry.
2. (a) Describe the parts of a SLIT-LAMP.
(b) Explain various techniques of illumination used in slit lamp.
3. (a) Explain normal visual field with the help of a diagram
(b) Describe the Goldmann perimeter in detail.
4. Describe the optics and procedure of direct ophthalmoscopy.

5. Discuss the various techniques of local anaesthesia used in ocular surgery.
 6. Describe the parts uses and functions of the synoptophore.
 7. (a) Describe the procedure of FFA (Fundus Fluoroscein Angiography).
(b) Explain the various phases of FFA interpretation.
 8. (a) Describe various types of Retinoscopes.
(b) Discuss the Principle and procedure of clinical Retinoscopy.
 9. (a) Discuss the role of an optometrist in detection of Glaucoma.
(b) Describe in brief about the investigations done in a case of glaucoma.
 10. (a) Discuss the principle of OCT - (Optical Coherence Tomography).
(b) Describe the interpretation of OCT in common rational disorders.
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