

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

Term-End Examination

June, 2012

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

Time : 3 Hours

Maximum Marks : 70

Note : Attempt any seven questions. Each carries 10 marks.

1. Explain the features and importance of Log Mar visual acuity chart.

2. (a) Explain the principle of retinoscopy.
(b) Discuss the step by step procedure in performing retinoscopy.

3. Explain Baucsh and Lamb Keratometer with the neat optical diagram.

4. (a) Explain the principle of Lensometer with suitable diagram.
(b) How will you check prism with lensometer ?

5. (a) Explain Ishihara's chart with the procedure.
(b) Explain Fransworth - Munsell 100 Hue test.
 6. (a) Enlist the different types of slit lamp illumination techniques.
(b) Mention the different types of filters used in slit lamp Biomicroscope, with their uses.
 7. Explain single field analysis of Humphrey Field Analyzer (HFA).
 8. Explain the instrumentation and steps of Goldman applanation tonometry.
 9. Explain the principle, types and procedure of Visual Evoked Potential (VEP).
 10. Give a brief note on applications of LASER in Ophthalmology.
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