

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

Term-End Examination

June, 2016

00477

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

Time : 3 hours

Maximum Marks : 70

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

1. (a) Define Retinoscopy.
(b) Discuss about its principles, types and sources of error. 2+8=10

2. Explain the types and uses of lasers in Ophthalmology. 10

3. Write short notes on the following : 5+5=10
 - (a) Operation Theatre Sterilization
 - (b) Clinical uses of Keratometry

4. Explain about the clinical significance of the following : *5×2=10*
- (a) ERG
 - (b) Fundus Fluorescein Angiography (FFA)
 - (c) Jackson's Cross Cylinder (JCC)
 - (d) Bagolini Striated Glasses
 - (e) Gonioscopy
5. Differentiate between the following : *5+5=10*
- (a) Kinetic Perimetry and Static Perimetry
 - (b) Peribulbar and Retrobulbar anaesthesia
6. Write short notes on the following : *5+5=10*
- (a) Corneal Endothelial Cell Density
 - (b) Indentation Tonometer
7. Describe the principle and uses of Corneal Topography. *5+5=10*
8. (a) Explain the principle of Gonioscopy.
- (b) Describe the various angle structures seen by the gonioscope. *4+6=10*

9. Explain the principle and uses of Synoptophore. *5+5=10*

10. Write short notes on the following : *5+5=10*

(a) Theories of Colour Vision

(b) Lensometer
