

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

00233

Term-End Examination

December, 2016

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

Time : 3 hours

Maximum Marks : 70

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

1. (a) Define subjective refraction.
(b) Describe the various methods used for
measurement of subjective refraction. 2+8=10

2. Write short notes on the following : 5+5=10
 - (a) Kinetic Perimetry
 - (b) Lees Screen

3. Describe the various types of sterilization
methods used in operation theatres. 10

4. Describe the various slit-lamp illumination
techniques. 10

5. Differentiate between the following : *5+5=10*
- (a) Direct and Indirect Ophthalmoscopy
 - (b) Weakening and Strengthening procedures during strabismus surgery
6. Write short notes on the following : *5+5=10*
- (a) Ultrasonic Pachymeter
 - (b) Specular Microscopy
7. Explain the clinical significance of the following : *5×2=10*
- (a) Potential Acuity Meter (PAM)
 - (b) OCT (Optical Coherence Tomography)
 - (c) Keratometry
 - (d) Perimetry
 - (e) Astigmatic Fan
8. Explain the principle of retinoscopy. How is it performed ? *10*
9. (a) Define Tonometry.
- (b) Explain the types of tonometry with their advantages and disadvantages. *2+8=10*

10. Define the following terms :

5×2=10

- (a) Nystagmography
 - (b) LASER
 - (c) Biometry
 - (d) Phacoemulsification
 - (e) Corneal Topography
-