

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

**Term-End Examination**

**June, 2013**

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

*Time : 3 Hours*

*Maximum Marks : 70*

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- Note :* (i) *Attempt any seven questions.*  
(ii) *Each carries 10 marks.*
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1. (a) Explain the principle of applanation tonometry and its procedure. 5+5  
(b) Explain with the help of diagram the principle of Keratometer.
  
2. What are the clinical uses of the following : 2x5=10
  - (a) Lensometry
  - (b) Keratometry
  - (c) Tonometry
  - (d) Visual Evoked Potential.
  - (e) Synaptophore.
  
3. Describe various methods of local anaesthesia in Ocular surgery. 10

4. Differentiate between : 5+5  
(a) Subjective and Objective refraction.  
(b) Direct and Indirect Ophthalmoscopy.
5. Define OCT. Explain its basic principle , limitations 10  
and clinical uses.
6. (a) Explain the principle and procedure of PAM 5+5  
( Potential Acuity Meter)  
(b) What are the indications and limitations of  
PAM ?
7. Write short notes on : 5+5  
(a) Maddox wing  
(b) Conical beam of slit lamp.
8. Write short notes on : 5+5  
(a) Cheiroscope  
(b) Pachymetry
9. (a) What is perimetry ? Explain its clinical 5+5  
uses.  
(b) Differentiate between Kinetic and Static  
perimetry.
10. What is a cross - cylinder ? Explain its uses in 10  
detail.

