

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

**Term-End Examination**

**June, 2018**

**BOS-008 : DISPENSING OPTICS**

*Time : 3 hours*

*Maximum Marks : 70*

**SECTION - A**

Attempt **any four** questions. Each carries 10 marks.

1. What is Transposition? Write rules of Simple and Toric transposition with suitable examples. **2+8**
2. Write short notes on : **5+5**
  - (a) Procedure of hand neutralization
  - (b) Procedure of Lensometry
3. Write in detail about various types of materials used for ophthalmic lenses. **10**
4. Discuss the Indications and Contra-indications of Progressive Addition Lenses (PAL). **10**
5. Describe the frame selection criterias for the following : **5+5**
  - (a) Progressive lens wearer
  - (b) Children
6. Describe the steps of Spectacle Lens Verification using manual lensometer. **10**

## SECTION - B

7. Write short notes on any six of the following. Each carries 5 marks. **5x6=30**
- (a) Inter Pupillary Distance (IPD)
  - (b) Design of Progressive Lens
  - (c) Aspheric lenses
  - (d) Bifocal lenses
  - (e) Special purpose frame
  - (f) Anti Reflection Coating
  - (g) Types of frame materials
  - (h) Tinted lenses
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