

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

**Term-End Examination**

**December, 2018**

**BOS-008 : DISPENSING OPTICS**

*Time : 3 hours*

*Maximum Marks : 70*

**SECTION - A**

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

1. Describe various methods for specifying the power of ophthalmic lenses. 10
2. Explain various steps of manufacturing of finished ophthalmic lens. 10
3. Describe the advantages and disadvantages of various materials used for frames. 10
4. Describe the frame selection criteria for : 5+5  
(a) High minus prescription  
(b) Progressive addition lenses
5. Discuss in detail about special purpose frames and frames for sports wear. 5+5
6. Explain the verification process in detail for verifying the spectacles before dispensing. 10

## SECTION - B

7. Write short note on **any six** of the following. Each carries 5 marks : **5x6=30**
- (a) Trivex lenses
  - (b) Executive bifocals
  - (c) Uses of prisms
  - (d) Advantages of progressive addition lenses
  - (e) Polycarbonate lenses
  - (f) Boxing system
  - (g) Defects occurring during the manufacturing of ophthalmic lenses
  - (h) Refractive index of lens
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