

**B.Sc. (Hons.) IN OPTOMETRY AND  
OPHTHALMIC TECHNIQUES (BSCHOT)****Term-End Examination****December, 2012****BOS-008 : DISPENSING OPTICS***Time : 3 hours**Maximum Marks : 70***PART - A**

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

1. What do you understand by transposition of lenses ? Describe the rules of toric transposition with a suitable example. **2+8**
2. (a) Define Prentice Rule  
(b) Explain in detail the effects of prism on movements of the eye. **2+8**
3. (a) Define Glazing  
(b) Explain the process of glazing in plastic and glass lenses. **2+8**
4. Explain in detail about the various materials used in the making of plastic & metal frames. **10**
5. Describe in detail about the frame selection in different age groups. **10**
6. Discuss the various considerations you would keep in mind before ordering and dispensing bifocal lenses. **10**

**PART - B**

7. Write short notes on *any six* of the following. Each carries 5 marks. **5x6=30**
- (a) Anti-Reflection Coatings.
  - (b) Indications & Contra-indications of Progressive lenses.
  - (c) Selecting frame according to the facial shapes.
  - (d) Different types of temple and their construction.
  - (e) Defects in ophthalmic lenses during manufacturing process
  - (f) Steps of lensometry
  - (g) Pupillometer
  - (h) Geneva Lens Measure
-