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

**Term-End Examination**

**June, 2011**

**BOS-007 : VISUAL OPTICS**

*Time : 3 hours*

*Maximum Marks : 70*

- Note :**
- (i) *This question paper contains Part-A and Part-B.*
  - (ii) *Part-A contains 6 questions. Answer any four :  
Each carries 10 marks.*
  - (iii) *Part-B contains 8 short notes. Answer any six :  
Each carries 5 marks.*

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**PART - A**

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

1. Define myopia. Classify the various types of myopia by giving suitable examples. **2+8=10**
2. What is aphakia ? Discuss the Clinical features and various correction options for Aphakia. **2+8=10**
3. Define glare. Discuss about the types of glare and its management. **2+8=10**

4. (a) What is colour vision ? **2+5+3=10**  
(b) Describe the various colour vision defects.  
(c) Enlist the common colour vision tests.
5. Define accommodation. Describe any two methods used to measure amplitude of accommodation. **2+8=10**
6. Describe the various steps of subjective refraction. **10**

## PART - B

7. Write short notes on *any six* of the following. 5x6=30
- (a) Presbyopia
  - (b) Neutralisation of Retinal Reflex
  - (c) Visual acuity tests for infants and toddlers
  - (d) Knapp's Law
  - (e) Jacksons cross cylinder
  - (f) Difficulties in Retinoscopy
  - (g) Binocular Balancing
  - (h) Log Mar Charts
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