

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

**Term-End Examination**

00653

**June, 2019**

**BOS-007 : VISUAL OPTICS**

*Time : 3 hours*

*Maximum Marks : 70*

*Note : This paper contains two parts. Attempt **both** parts.*

**PART A**

*Answer any **four** questions. Each question carries  
10 marks.*

*4×10=40*

1. What is Presbyopia ? Describe the clinical features and correction options for Presbyopia.
2. What is Aphakia ? Discuss the causes, clinical features and correction options for Aphakia.
3. Describe in detail the various types of inherited colour vision defects.
4. Define visual acuity. Describe the various visual acuity charts used for paediatric visual acuity testing.

5. What is Accommodation ? Explain the various methods of measuring amplitude of accommodation.
  
6. Define "Glare". Describe the various types of glare.

## PART B

*Write short notes on any six of the following.*

*Each note carries 5 marks.*

**6×5=30**

- 7.**
- (a) Jackson's Cross Cylinder
  - (b) Contrast Sensitivity
  - (c) Duochrome Test
  - (d) Knapp's Law
  - (e) Best Vision Sphere
  - (f) AC/A Ratio
  - (g) Spectacle Magnification
  - (h) Objective Refraction
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