

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

00291

Term-End Examination

December, 2017

BOS-007 : VISUAL OPTICS

Time : 3 hours

Maximum Marks : 70

PART - A

Attempt any four questions. Each question carries 10 marks.

1. Define Visual Acuity. Explain Snellen's principle and various visual acuity charts. **2+2+6=10**
2. Describe various anomalies of Accommodation and Convergence in detail. **5+5=10**
3. Define and classify Myopia. Describe its etiology, signs, symptoms and management. **3+7=10**
4. Enumerate Retinoscopy principle. Explain its various stages with the help of ray diagrams. **2+8=10**
5. Define Sturm's Conoid. Explain with the help of ray diagram. Name the clinical tests where its principle is used. **2+4+4=10**
6. Define Glare. Explain its various types and different tests used to measure it. **2+2+6=10**

PART - B

7. Write short notes on **any six** of the following.
Each carries **five marks.** **5x6=30**
- (a) Stenopic Slit
 - (b) Characteristics of Reflex in Retinoscopy
 - (c) Facultative Hypermetropia
 - (d) CSM Method
 - (e) Prentice rule
 - (f) Emmetropization
 - (g) Ishihara Charting
 - (h) Jackson's cross cylinder
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