

01485

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

Term-End Examination

June, 2012

BOS-007 : VISUAL OPTICS

Time : 3 Hours

Maximum Marks : 70

PART - A

Answer any four questions. Each carries 10 marks. 10x4=40

1. Define and classify the Hypermetropia. Describe its causes, signs, symptoms and write the prescription guidelines for Hypermetropia correction.
2. Define Astigmatism. Explain the various types of Astigmatism and their classification.
3. What do you understand by the term 'Glare'. Explain the various types and their management.
4. Explain the various methods of subjective refraction.
5. Define convergence and its components. Explain various methods of its measurement.
6. Explain the various methods to determine the AC/A ratio. Illustrate with examples.

PART - B

Write short notes on any six of the following.

Each carries 5 marks.

6x5=30

- (a) Sturm's Conoid
 - (b) Paediatric Visual Acuity testing
 - (c) Duochrome Test
 - (d) Binocular Balancing in subjective refraction
 - (e) Spectacle Magnification
 - (f) Convergence Insufficiency
 - (g) Prentice Rule
 - (h) Principle and method of Retinoscopy.
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