

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

Term-End Examination

December, 2014

BOS-007 : VISUAL OPTICS

Time : 3 Hours

Maximum Marks : 70

PART - A

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

10x4=40

1. Define Astigmatism. Discuss the classification, clinical features and correction of Astigmatism.
2. Define Aphakia. Describe the optics, clinical features and correction options for Aphakia.
3. Define Visual acuity. What do you understand by the terms HM^+ and PL^+ ? List five methods of testing visual acuity in children and describe one in detail.
4. Discuss the various methods of measurement of Amplitude of Accommodation.
5. Explain the various methods of Subjective Refraction.

6. (a) Define Contrast Sensitivity.
(b) Discuss about the clinical significance of testing contrast sensitivity.
(c) Describe any three tests to measure Contrast Sensitivity.

PART - B

Write short notes on **any six** of the following. Each carries 5 marks. **5x6=30**

- (a) Degenerative Myopia.
(b) Progressive Addition Lenses
(c) D - 15 Test
(d) Advantage of Streak over Spot Retinoscope
(e) Duochrome Test
(f) Disability Glare
(g) Log Mar Charts
(h) Sturm's Conoid
(i) Convergence Insufficiency
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