

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

00067

Term-End Examination

June, 2016

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. Define Aphakia. Explain its various correction options.
2. Enumerate various colour vision defects and the methods of their testing.
3. What is Convergence ? Describe in detail about the different ways of measuring convergence.
4. Describe various objective methods of refraction.

- 5. Describe the various methods of binocular balancing in refraction.**

- 6. Define and classify Myopia. Draw its optics and give prescription guidelines for correcting it.**

SECTION B

Write short notes on any six of the following. Each carries 5 marks.

6×5=30

7. (a) AC/A ratio
(b) Sturm's Conoid
(c) Presbyopic Correction
(d) Factors affecting Visual Acuity
(e) Significance of Contrast Sensitivity
(f) Jackson's Cross Cylinders
(g) Aniseikonia
(h) Automated Refraction
-