

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

Term-End Examination

December, 2011

BOS-007 : VISUAL OPTICS

Time : 3 hours

Maximum Marks : 70

PART - A

Attempt any four questions.

1. Define and classify Hypermetropia. Describe the various methods of correction for prescribing Hypermetropic patients. 10
2. What is Presbyopia ? Enlist the signs and symptoms of Presbyopia. Explain the methods to correct the presbyopia. 10
3. Enlist the various factors affecting the visual acuity. Describe various tests used to assess the visual acuity. 10

4. (a) Define Range and Amplitude of 4+6 Accommodation
- (b) The FP (Far Point) of Myopic eye is 100 cms and (NP) Near Point is 10 cms. Calculate the Range and Amplitude of Accommodation.
5. (a) Describe classification and features of 4+6 Aniseikonia.
- (b) How will you measure Aniseikonia ?
6. Describe the method of static retinoscopy and the 5+5 sources of error while doing retinoscopy.

PART - B

7. Write short notes on *any six* of following :

5x6

- (a) Emmetropization
 - (b) Classification of Astigmatism
 - (c) Types of Retinoscopy
 - (d) Spectacle Magnification
 - (e) Convergence Insufficiency
 - (f) Auto Refractors
 - (g) Pelli Robson contrast activity chart
 - (h) Pseudo Isochromatic Plates
-