

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

Term-End Examination

June, 2016

00467

BOS-005 : OPTOMETRY PRACTICE

Time : 3 hours

Maximum Marks : 70

Note :

- (i) *Answer any **seven** questions.*
- (ii) *Each question carries 10 marks.*
- (iii) *Support your answers with diagrams wherever necessary.*

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1. (a) What are optical aberrations ? Enumerate the monochromatic aberrations in any optical system.
 - (b) Describe the tests for near visual acuity assessment. 5+5
 2. Describe the nature of light and its propagation in various media. 10

3. Write short notes on the following : 5+5
- (a) Colour vision assessment
 - (b) Ocular movements
4. Write short notes on the following : $4 \times 2 \frac{1}{2}$
- (a) Laws of Reflection
 - (b) Total Internal Reflection
 - (c) Nomenclature of Prisms
 - (d) Polarisation
5. (a) What are the visual angles of the eye ?
- (b) Explain the methods of examination of retina. 5+5
6. (a) Describe the various types of Tonometers.
- (b) Explain the imaging techniques in Ophthalmology. 5+5
7. (a) Define Primary Health Care.
- (b) Enlist the elements of Primary Health Care.
- (c) Explain the principles of Primary Health Care. 2+4+4
8. (a) Explain the various functions of a hospital.
- (b) Describe in brief the various types of hospitals. 5+5

9. (a) Enlist the causes of blindness in India.

(b) Describe the functions of DBCS.

5+5

10. Describe the following procedures :

5+5

(a) Lacrimal syringing

(b) Visual field examination
