

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

Term-End Examination

December, 2015

BOS-008 : DISPENSING OPTICS

Time : 3 hours

Maximum Marks : 70

PART - 'A'

Attempt any four questions. Each carries
10 marks.

1. (a) Define lensometer. 3+7
(b) Describe the procedure of lensometry.
2. (a) Define prism. 3+7
(b) Explain different ways of incorporating prismatic effects in spectacles.
3. (a) What are plastic lenses ? 3+7
(b) Differentiate between thermosetting plastics and thermoplastics lens materials.
4. Differentiate between bifocals and progressive addition lenses. 10
5. Describe the steps of Spectacle Lens Verification using manual lensometer. 10

6. Describe various types of plastic frame materials. 10

PART - 'B'

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

- (a) Inter pupillary distance (IPD).
 - (b) Lenticular lenses.
 - (c) Principle of polarising lens.
 - (d) Instructions for progressive lens users.
 - (e) Hemianopic spectacles.
 - (f) Boxing system.
 - (g) Trivex lenses.
 - (h) Risley prisms.
-