

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

Term-End Examination

December, 2017

BOS-008 : DISPENSING OPTICS

Time : 3 hours

Maximum Marks : 70

Note : (i) SECTION A : Answer any four questions. Each question carries 10 marks.

(ii) SECTION B : Answer any six short notes of the following, each short note carries 5 marks.

SECTION - A

Answer any four questions. Each question carries 10 marks. **10x4=40**

1. Write in detail about various materials used in manufacturing of spectacle frames.
2. Write in detail about varification of specifications in spectacle before delivering to the patient, for first time progressive lens wearer.
3. Write about various types of Bifocal lenses available. Which bifocal lens has minimum image jump ? Explain with example.

4. Write in detail about various types of frames. Why proper shape and size is important for dispensing spectacle ?
5. What are special purpose frames ? Explain in detail about :
- (a) Recumbent spectacle
 - (b) Snooker spectacle
 - (c) Reversible spectacle
 - (d) Ski goggles
 - (e) Hemianopic spectacles
6. Write in detail about progressive addition lenses. What are various designs available ? How will you decide a particular design for your patient ?

SECTION - B

7. Write short notes on **any six** of the following. Each short note carries 5 marks : **5x6=30**
- (a) Bifocal lenses
 - (b) Aspheric lenses
 - (c) Transition lenses
 - (d) Trivex
 - (e) High index lenses
 - (f) Tinted lenses
 - (g) Frame selection
 - (h) Boxing system
 - (i) Lensometry
-