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BOS-008

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

Term-End Examination, 2019

BOS-008 : DISPENSING OPTICS

Time : 3 Hours]

[Maximum Marks : 70

Note : Section - A : Answer **any four** questions each question carries **10** marks. **Section - B :** Answer **any six** short notes, each short note carries **5** marks.

SECTION - A

1. Write steps of toric transposition with the help of suitable example. [10]
2. Write in detail about various materials used in manufacturing of ophthalmic lenses. [10]
3. Give a brief account on various temporary and permanent markings on progressive addition lenses. Draw well labelled diagram of each. [10]
4. Describe various parts of spectacle frame with the help of suitable diagram. [10]

5. What is anti reflection coating ? Describe its principle and function. [5+5]
6. Compare hand neutralization and manual lensometry of spectacle lenses. [5+5]

SECTION - B

7. Write short notes on **any six** of the following :[5×6=30]
- (a) Krypton bifocals
 - (b) Aspheric lenses
 - (c) Photochromatic lenses
 - (d) UV. blocking lenses
 - (e) Hi-index lenses
 - (f) Harmful effects of blue light
 - (g) Poly carbonate lenses
 - (h) Frame selection in children

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