

OPHTHALMOLOGY

Term-End Examination

June, 2010

BOS-008 : DISPENSING OPTICS

Time : 3 hours

Maximum Marks : 70

- Note :** (i) Question paper consists of **two** Sections : **A** and **B**.
(ii) **Section-A** contains 6 questions. Answer **any four** questions. Each question carries **10** marks.
(iii) **Section-B** contains 8 questions. Answer **any six**. Each question carries 5 marks.

SECTION - A

Attempt **any four** questions each carries **10** marks. **4x10=40**

1. What is transposition ? Explain rules of simple and toric transposition in detail with an example of each.
2. Write in detail about various materials used for ophthalmic lenses.
3. Enumerate the various faults in glass and plastic lenses after manufacturing.
4. Write in detail about Progressive Addition Lenses (PAL).
5. Write in detail about absorptive and protective lenses.
6. Write in detail about HIGH MINUS and PLUS lenses.

SECTION - B

7. Write short note on *any six* of the following. **5x6=30**

Each short note carries **5** marks :

- (a) Frame nomenclature and markings
 - (b) Trilogy lens material
 - (c) Trial Case
 - (d) Prisms and their uses in ophthalmology
 - (e) Effective power
 - (f) Frame selection according to the face
 - (g) IPD and its measurement
 - (h) Aspheric lenses
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