

OPHTHALMOLOGY

Term-End Examination

June, 2009

BOS-008 : DISPENSING OPTICS

Time : 3 hours

Maximum Marks : 70

- Note :** (i) This question paper consist of two Parts : A and B.
(ii) Part A contains 6 questions. Answer **any four** questions. Each question carries 10 marks.
(iii) Part B contains 10 short notes. Answer **any six**. Each short note carries 5 marks.

PART - A

Attempt **any four** questions. Each question carries 10 marks.

1. Explain the method for writing prescription with reference to simple transposition.
2. Describe the various methods of power measurement of a lens.
3. What is Prism ? Describe the effect of prism on the movement of eye.
4. Describe various methods of manufacturing a glass lens.
5. Describe the various faults in Ophthalmic lenses.
6. Describe the various plastic and metal frame materials.

PART - B

Write short notes on *any six* of the following. Each short note carries 5 marks.

7. (a) Prentice Rule
- (b) Frame making conventions.
- (c) Polycarbonate lens materials.
- (d) Types of Bifocal.
- (e) Effective power of a lens.
- (f) Geneva lens measure.
- (g) Boxing system.
- (h) Advantages and disadvantages of anti-reflection coating.
- (i) Tinted Lenses.
- (j) Frame selection for high minus lenses.

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