

Q.P. Code: 312013

Reg. No.:.....

**Third Year B.Sc Optometry Degree Supplementary Examinations  
August 2021**

**Dispensing optics, Mechanical optics, Contact lens and Low vision aids  
(2014 Scheme)**

Time: 2 hrs

Max marks: 40

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay** (10)

1. Elaborate on the different special purpose spectacle frames with its indications.

**Short notes** (3x5=15)

2. Explain the advantages of high index lenses
3. Fitting of progressive lenses
4. Discuss the symptoms of loose fit and tight fit in soft contact lens and the remedy.

**Answer briefly** (5x2=10)

5. Explain oxygen permeability.
6. What are therapeutic contact lens and its uses.
7. Mention two advantages of LogMAR chart over Snellen acuity chart.
8. Explain Distometer.
9. Name the metal frame materials

**One word answer** (5x1= 5)

10. Polycarbonate has the \_\_\_\_\_ abbe value among all plastic materials.
11. During slit lamp examination, \_\_\_\_\_ is seen in keratoconus.
12. \_\_\_\_\_ can be given for low vision patients for driving.
13. The distance between the back surface of the spectacle lens and the cornea is \_\_\_\_\_.
14. \_\_\_\_\_ to reduce ring reflections in high minus prescriptions.

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