

Q.P. Code: 216013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
February 2021**

Visual Optics

(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. Discuss the optics involved in hypermetropia with the help of a neat labelled diagram. Elaborate on its clinical features and modes of correction.

Short notes (3x5=15)

2. Elaborate on Jackson's crossed cylinder
3. Explain aniseikonia. Elaborate on modes of correction
4. Elaborate presbyopia

Answer briefly (5x2=10)

5. Define depth of focus and retinal image blur
6. Define transposition. What are its significance
7. List down clinical signs of pathological myopia
8. Explain near point of accommodation
9. List down the techniques to measure corneal curvature

Give precise answer (5x1=5)

10. Mention the use of pin hole
11. Depth of field
12. Define astigmatism
13. Explain the use of vertex distance correction
14. Mention the use of Stenopieic slit
