

**Second Year B.Sc Optometry Degree Supplementary Examinations
February 2021****Optometric 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 spectacle frames in detail.

Short notes (3x5=15)

2. Method of lens surfacing and polishing.
3. Neutralization of lenses with trial lenses.
4. Prismatic effect of spectacle lenses.

Answer briefly (5x2=10)

5. What are iseikonic lenses.
6. What are aspheric lenses. Describe the advantages.
7. What are the special lenses designed for high myopia.
8. What are crossed prisms.
9. What are multifocal lenses.

Give precise answers (5x1=5)

10. What are glass cements.
11. Varifocal lens.
12. Toric lens.
13. Magnification of lenses.
14. Lens clock.
