

QP Code: 226013

Reg. No:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
May 2023**

**Visual Optics
(2016 Scheme)**

Time: 2 hours

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. Write about retinoscope, its principle and types in detail. Add a note on different stages of retinoscopy.

Short Notes:

(3x5=15)

2. Write about optics of astigmatism with a neat diagram and mention different types of regular astigmatism.
3. Pathological myopia.
4. Aphakia.

Answer briefly

(5x2=10)

5. AC/A ratio.
6. Sign convention.
7. Duochrome test.
8. Depth of focus and depth of field.
9. Anisometropia.

One Word Answer

(5x1=5)

10. Write a mechanism for reducing spherical aberration in the human eye.
11. Two uses of polarized glasses.
12. Two difficulties while doing retinoscopy.
13. Write an example of index astigmatism.
14. Name the accessory in trial set which is using to find out astigmatism.
