

Q.P. Code: 216013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
April 2019**

Visual Optics

(2014 scheme)

Time: 2 hrs

Max marks: 40

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essay (10)

1. Elaborate the clinical features of astigmatism. Discuss in detail struts conoid

Short notes (3x5=15)

2. Describe the three stages of retinoscopy for a myopic eye
3. What is reduced eye model
4. Describe "Jack in the box" phenomenon

Answer briefly (5x2=10)

5. What is spherical equivalent. List down its importance
6. What is the importance of IPD (Inter Pupillary Distance) marking in spectacle dispensing
7. Optics of Manual Lensometer
8. What is far point of accommodation
9. List down the techniques to measure spectacle prescription

Give precise answer (5x1=5)

10. Principle of Duochrome test.
11. What is astigmatic fan
12. Define emmetropization
13. What is subjective refraction
14. Name two cycloplegic drops
