

Q.P. Code: 216013

Reg. No.:.....

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

Visual Optics

(2014 scheme)

Time: 2 hrs

Max marks: 40

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

Essay (10)

1. Discuss the optics of aphakia with neat diagrams. Describe the advantages and disadvantage of spectacle prescription in a case of aphakia.

Short notes (3x5=15)

2. What is pseudo myopia. How is it detected.
3. What are the mirrors used in retinoscope.
4. Discuss the disadvantages of myopic spectacle correction.

Answer briefly (5x2=10)

5. What is spherical equivalent of following prescription: -2.00DS/-3.00 DC X110
6. What is trial frame. What are its parts.
7. What are the causes for a dull glow in retinoscopy
8. What is duochrome test
9. What is far point of accommodation. How is it detected.

Give precise answer (5x1=5)

10. What is the importance of cycloplegic refraction
11. What is spectacle refraction
12. What is the normal corneal curvature
13. What is astigmatic fan
14. What is "with the rule" astigmatism
