

Q.P. Code: 216013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
February 2020**

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. What is retinoscopy. Elaborate on the reflex characteristics. What is the role of working distance lens in retinoscopy.

Short notes

(3x5=15)

2. Discuss on magnification in aphakia corrected with spectacles
3. Trial set contents
4. Explain effective power with the help of diagram

Answer briefly

(5x2=10)

5. What is retinal blur
6. What is scissoring reflex
7. What is reversal point in refraction. How is it achieved.
8. What is fogging. Mention its importance
9. What is axial ametropia

Give precise answer

(5x1=5)

10. Mention the use of prisms in trial set
11. What is pincushion distortion
12. Why is 6/60 letter given as fixation target during objective refraction
13. Mention the values for curvature and thickness of cornea
14. Define accommodation
