

Q.P. Code: 216013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Regular/Supplementary
Examinations February 2022**

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. Write in detail about Illumination, Reflex and Projection stage of plane mirror retinoscopy in hypermetropia and myopia with clear diagram. What are the causes of inaccurate retinoscopy findings

Short notes (3x5=15)

2. Aetiology, diagnosis and treatment of Pathological myopia
3. Duochrome test
4. Explain the rule of transposition by giving one example

Answer briefly (5x2=10)

5. Calculate spherical equivalent of -2.00 DS/-1.00DCX135
6. What is scissor's reflex. Which clinical conditions it is seen.
7. Define spectacle refraction
8. How do you verify the end point of retinoscopy
9. Enumerate the tests available to refine the direction and power of astigmatism

Give precise answer (5x1=5)

10. Actual power of +/- 0.25 cross cylinder is.....
11. Posterior focal point for an Aphakic eye lies mm behind cornea and.....mm behind eye ball
12. Range of accommodation is defined as.....
13. Pupillary constriction leads to.....in depth of focus
14. If Ametropia is purely axial in origin.....will be the treatment of choice
