

**Second Year B.Sc Optometry Degree Supplementary Examinations
October 2018**

Visual Optics

(2014 scheme)

Time: 2 hrs

Max marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay

(10)

1. Discuss the optics of myopia and its types with neat diagrams. Describe the method of spectacle prescription in a case of myopia.

Short notes

(3x5=15)

2. What is reduced eye. Describe with diagram.
3. What is Jackson's cross cylinder. Describe its use.
4. Discuss magnification in aphakia corrected with spectacles.

Answer briefly

(5x2=10)

5. What is spherical equivalent. What is its importance.
6. What is transposition. What is its significance.
7. What is neutralization point in refraction. How it is achieved.
8. What is the importance of axial length in ametropia.
9. What is retinal image blur.

Give precise answer

(5x1=5)

10. What is the importance of pin hole testing
11. What is scissoring reflex in retinoscopy
12. Name the cycloplegic drugs.
13. What is fogging
14. What is astigmatic fan
