

**Second Year B.Sc Optometry Degree Supplementary Examinations –
November 2016**

**Visual Optics
(2010 scheme)**

Time: 3 hrs

Max marks: 80

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

Essays

(2x15=30)

1. Define and classify myopia. What are the various options for correction of myopia
2. Discuss various methods of subjective verification of refraction.

Short notes

(5x5=25)

3. Jackson's cross cylinder
4. Draw the schematic representation of reduced eye and mark the cardinal points
5. Problems encountered in retinoscopy
6. AC/A ratio: explain the clinical importance
7. Presbyopia

Answer briefly

(10x2 = 20)

8. RAF rule
9. Principle of Bausch-Lomb keratometer
10. Inter pupillary distance
11. Simple transposition
12. Dynamic retinoscopy
13. Uses of Maddox rod
14. Anisometropia
15. Atropine
16. Find out the spherical equivalent of -3.00 DS/-1.00 DC 90°
17. What is back vertex distance. How will you measure it.

One word answer

(5x1 = 5)

18. Index hypermetropia is seen in
19. Optometer principle is used in
20. Two uses of lensometer
21. Scissor shadow is seen in
22. One condition producing astigmatism against the rule.
