

**Second Year B.Sc Optometry Degree Regular/Supplementary  
Examinations January 2024**

**Visual Optics  
(2016 Scheme)**

**Time: 2 hours****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 about hypermetropia, signs and symptoms, components and different methods of treatment.

**Short Notes: (3x5=15)**

2. What are the different methods to find amplitude of accommodation.
3. Types of keratometers.
4. Optics of Aphakia

**Answer briefly (5x2=10)**

5. Difficulties in objective refraction.
6. Visual acuity measurement in children.
7. Astigmatic fan.
8. Presbyopia.
9. Cardinal points.

**One Word Answer (5x1=5)**

10. .... Test is used to check the color vision.
11. Normal range of AC/A ratio is .....
12. Near point of accommodation.
13. Two uses of pinhole.
14. Normal Range of Central Corneal Thickness.

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