

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0422]

APRIL 2023

Sub. Code: 2742

**B.OPTOM**  
**SECOND YEAR (Regulation 2018-2019 onwards)**  
**PAPER II – VISUAL OPTICS**  
*Q.P. Code: 802742*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Discuss in detail about Optics, Signs, and Management of Hypermetropia.
2. Different Visual Acuity Charts and how will you assess Visual Acuity in Children?
3. Write in detail about Contact Lenses.

**II. Write notes on:**

**(8 x 5 = 40)**

1. AC/A ratio.
2. Pseudophakia.
3. Spectacle making.
4. Optical constants of Eye.
5. How will you assess and manage decentration of Lens?
6. Duochrome test.
7. Aniseikonia.
8. Effect of prisms in front of Eye.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Pantoscopic tilt.
2. Principle of Pinhole.
3. Crutch glasses.
4. Index myopia.
5. Spectacles for U-V light protection.
6. Disadvantages of Aphakic spectacles.
7. Maddox wing.
8. Anisometropic amblyopia.
9. Worth four dot test.
10. How will you measure Axial length of Eyeball?

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