

[LO 0519]

MAY 2019

Sub. Code: 1605

**M. OPTOM EXAMS
FIRST YEAR
PAPER V – OPTOMETRIC INSTRUMENTS**

Q.P. Code: 281605

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Visual acuity charts – Mention the principle, and charts appropriate for pediatric and adult age groups.
2. Principle of retinoscopy with appropriate diagrams depicting optics.

II. Write notes on:

(10 x 6 = 60)

1. Direct Ophthalmoscope – working, advantages, and disadvantages.
2. Indirect Ophthalmoscope – working, advantages, and disadvantages.
3. Static perimetry – available testing devices and strategies for visual field testing.
4. Lensometry – Principle and optics.
5. Slitlamp illumination techniques.
6. Types of tonometers.
7. Synoptophore – principle and uses.
8. Tools for corneal surface assessment.
9. Techniques for fundus camera.
10. Filters for Ophthalmoscope and uses.
