

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA– 506 002**

M.D/ M.S DEGREE EXAMINATIONS: OCTOBER 2025

OPHTHALMOLOGY

PAPER – IV

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

10 X 10 = 100

1. Describe clinical application of Femtosecond LASER in Ophthalmology.
2. Discuss advantages and disadvantages of various types of multifocal IOL's.
3. Describe indications, types and recent advances in Keratoprosthesis.
4. Describe indications, procedures, advantages and disadvantages of Chemo-reduction for Retinoblastoma.
5. Methods to increase the Bioavailability and efficacy of drugs used in treatment of ocular disorders along with example.
6. Describe principle, types and limitations of Optical Coherence Tomography.
7. Describe Phakic IOLs. Discuss their indications, technique and complications.
8. Discuss the pharmacology indication for use and adverse effects of Botulinum toxins in Ophthalmology.
9. Role of Gene therapy in Ophthalmology.
10. Enumerate causes of Childhood blindness. Discuss implementation of VISION 2020 in India.
