

PAPER CODE: 1123

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

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MARCH 2026

**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. Discuss principles, advantages and limitations of Femto Assisted Cataract Surgery (FACS).
2. Describe corneal principle, indications and different protocols for corneal collagen crosslinking.
3. Discuss advantages and concept of application of micro pulsed retinal LASER.
4. Discuss role of genetics in Ophthalmology.
5. Discuss drug delivery systems and antimetabolites used in Ophthalmology.
6. Describe principle, advantages and disadvantages of Optical coherence biometry.
7. Describe recent modalities available to treat presbyopia. Discuss advantages and limitations.
8. What is VEGF-Trap? Describe its advantages over the current anti-VEGF agents.
9. Role of Biological agents in management of patient with Bilateral chronic uveitis.
10. Describe National Programme for Control of Blindness and Visual Impairment (NPCB & VI). Define grades of blindness as per WHO and NPCB.
