

PAPER CODE: MR001

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
POST DOCTORAL FELLOWSHIP EXAMINATIONS: DECEMBER 2025

MEDICAL RETINA
(PAPER–I)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions with neat diagrams whenever necessary
All question carry equal marks.

Write an essay on the following:

10 X 10 = 100

1. Discuss anatomy and physiology of Vitreous. Write a brief note on etiopathogenesis of Posterior Vitreous Detachment.
2. Techniques, role, indications, advantages and disadvantages of Periocular and Intraocular steroids.
3. Describer the principles and clinical uses of OCT Angiography. How does it compare with Fundus Fluorescein Angiography in diagnosis of various disorders.
4. a) Anatomy and blood supply of Uvea.
b) Developmental anomalies of Uvea.
5. What is low vision? Describe various types of low vision aids.
6. Discuss the role of Ultrasonography in Ophthalmology.
7. What is Nyctalopia? What are the common causes of Nyctalopia? Discuss the pathophysiology basis of Nyctalopia.
8. a) Etiology and classification of Myopia.
b) Clinical features of pathological Myopia.
9. Classify and mention briefly about different anti VEGF agents and their uses in Ophthalmology.
10. What is Blood-Retinal Barrier? Describe its anatomical components. Discuss its physiological and clinical significance.
