

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA– 506 002
B.Sc. (ALLIED HEALTH SCIENCES) SECOND YEAR DEGREE SUPPLEMENTARY
EXAMINATIONS: OCTOBER, 2025

OPTOMETRY

PAPER-IV

MICROBIOLOGY, PATHOLOGY (SECTION-A)

PHARMACOLOGY (SECTION-B)

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any darkColor pencil.
Answer part **A &B** questions in two separate answer books
Question in part “**A**” should not be answered in part “**B**” and vice versa. Otherwise they will not be valued.

PART - A (40 Marks)

Write essay on any ONE of the following:

1 X 10 = 10

1. Write in detail about Hypersensitivity.
2. Elaborate Uveal Melanoma.

Write a short note on any THREE of the following:

3 X 5 = 15

3. Differences between Active and Passive immunity.
4. Explain Gram staining and its applications.
5. Causes and pathology of Papilledema.
6. Chalazion.
7. Pathology of Glaucoma.

Write briefly on any FIVE of the following:

5 X 3 = 15

8. Incubation period.
9. Collection and transport of Corneal scrapings.
10. Intermediate Host.
11. Name ‘Torch’ agents.
12. Thrombocytopenia.
13. Pathways of spread of cancer.
14. Define Infarction and mention types of Infarctions.

PART - B (40 Marks)

Write essay on any ONE of the following:

1 X 10 = 10

15. Describe in detail about different techniques of giving local anesthetics in eye.
16. Enumerate ‘NSAIDS’. Discuss in detail about Occular anti-inflammatory drugs.

Write a short note on any THREE of the following:

3 X 5 = 15

17. Oral hypoglycemic agents.
18. Atropine substitutes in eye.
19. Anti Glaucoma drugs.
20. Anti-cancer drugs for Ophthalmic use.
21. Anti-viral drugs.

Write briefly on any FIVE of the following:

5 X 3 = 15

22. Pharmacological actions of Adrenaline.
23. Pharmacokinetics.
24. Broad spectrum antibiotics.
25. Tear substitutes.
26. Mucolytics.
27. Anti Histamines.
28. Anti Hypertensives.