

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

OPTOMETRY

PAPER-IV

MICROBIOLOGY, PATHOLOGY (SECTION-A)

PHARMACOLOGY (SECTION-B)

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any darkColor pencil.

Answer Part-A & Part- 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 an essay on any ONE of the following:

1 X 10 = 10

1. Explain in detail about clinical condition, pathological features and differential diagnosis of Retinoblastoma.
2. Write in detail about sterilization.

Write a short note on any THREE of the following:

3 X 5 = 15

3. Sympathetic Ophthalmia.
4. Differences about Endotoxins and Exotoxins.
5. Fungal Keratitis.
6. Pathology of Lens in cataract.
7. Describe Anaerobic culture methods.

Write briefly on any FIVE of the following:

5 X 3 = 15

8. Disinfection
9. ELISA
10. Pterygium
11. Granulomatous Inflammation.
12. Gram staining.
13. Inflammatory Lesions of Eyelid.
14. Agglutination Reaction.

Part -B (40 Marks)

Write an essay on any ONE of the following:

1 X 10 = 10

15. Describe General routes of Drug Administration.

16. Describe various Anti- Glaucoma drugs and its adverse effects.

Write a short note on any THREE of the following:

3 X 5 = 15

17. Anti Hypertensives.

18. Ocular Anti-fungal drugs.

19. Local Anesthetics.

20. Mast cell stabilizers.

21. Sedatives and Hypnotics.

Write briefly on any FIVE of the following:

5 X 3 = 15

22. Placebo.

23. Neurotransmitters.

24. Mydriasis and miosis.

25. Proton pump inhibitors.

26. Uses of Mannitol.

27. Uses of Aspirin.

28. Diuretics.
