

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
SECOND BNYS PART-I DEGREE EXAMINATIONS: MAY 2026

MICROBIOLOGY

Time: 3 Hours

Max Marks: 80

Note: 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 an essay on the following: **1 X 10 = 10**

1. Morphology, pathogenesis and laboratory diagnosis and prophylaxis of tetanus.

Write a short note on the following: **5 X 5 = 25**

2. Conjugation.
3. Moist heat.
4. Innate immunity.
5. Structure of bacterial cell.
6. Hypersensitivity reactions.

Write briefly on the following: **5 X 1 = 5**

7. Give two examples of enriched media.
8. Classify mycobacteria.
9. Enumerate common organisms that cause meningitis.
10. Name two DNA viruses.
11. Name the organism that causes:
a) Gastroenteritis b) Respiratory tract infections.

PART – B (40 Marks)

Write an essay on the following: **1 X 10 = 10**

12. Morphology, pathogenesis and laboratory diagnosis of Hepatitis B infection.

Write a short note on the following: **5 X 5 = 25**

13. Write about Zoonotic disease.
14. Precipitation test.
15. Pathogenesis of treponema pallidum.
16. Life cycle of Ascaris lumbricoides.
17. Laboratory diagnosis of candidiasis.

Write briefly on the following: **5 X 1 = 5**

18. Name two organisms causing urinary tract infections.
19. Name two liquid media to grow mycobacteria.
20. Name four types of Mutation.
21. Name two live bacterial vaccines.
22. Name the organism that causes:
a) Bacillary dysentery b) Plague
