

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

SECOND BNYS- PART – I DEGREE SUPPLEMENTARY EXAMINATIONS:

JANUARY 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 Pulmonary tuberculosis.

Write a short note on the following:

5 X 5 = 25

2. Type IV hypersensitivity.
3. Autoclave.
4. Structure of Immunoglobulin.
5. Active immunity.
6. Mechanism of autoimmunity.

Write briefly on the following:

5 X 1 = 5

7. Name four bacteria causing food poisoning.
8. Name two uses of Gram staining.
9. Name two anaerobic bacteria.
10. Name two transport media.
11. List two pathogenic clostridia species.

PART – B = 40 Marks

Write an essay on the following:

1 X 10 = 10

12. Morphology, pathogenesis and laboratory diagnosis of staphylococcus aureus.

Write a short note on the following:

5 X 5 = 25

13. Bacterial growth curve.
14. Laboratory diagnosis of dermatophytosis.
15. Bacteriophage.
16. Laboratory diagnosis of urinary tract infections.
17. Antibody mediated immune response.

Write briefly on the following:

5 X 1 = 5

18. Name any three air borne diseases.
19. Name Opportunistic viral infections in AIDS.
20. Three methods of cultivation of viruses.
21. Name viruses causing conjunctivitis.
22. Mention three antifungal agents.
