

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

MICROBIOLOGY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

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

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Write about laboratory diagnosis and prophylaxis of Polio.
2. Define Hypersensitivity. Write in detail about Type I Hypersensitivity.
3. Define Sterilization. Classify and write in detail about Autoclave.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Write in detail about Mycetoma.
5. Morphology, Pathogenesis and laboratory diagnosis of Adenovirus.
6. Polymerase Chain Reaction.
7. Conjugation.
8. Universal Immunization schedule.
9. Morphology, Clinical features, Laboratory diagnosis of Mycobacterium
Leprae.

Write briefly on the following:

10 X 3 = 30

10. Bacterial Biofilm.
11. Germ tube Test (Reynolds-Braude Phenomenon).
12. Name any six Gram-negative bacilli.
13. Differential Media.
14. Louis Pasteur.
15. Morphology of Influenza Virus.
16. What is an Outbreak? Give Examples.
17. Transduction.
18. Passive immunity.
19. Biological vectors.
