

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

POST BASIC B.Sc. (NURSING), FIRST YEAR DEGREE SUPPLEMENTARY EXAMINATIONS - MAY, 2026

MICROBIOLOGY

Time: 3 Hours

Max Marks: 75

Note: Answer all questions

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

Color pencil

Write an essay on any TWO of the following:

2 X 15 = 30

1. Define Microscope. Discuss in detail about the electron Microscope. Add a note on uses and handling of Microscope.
2. Discuss in detail about the biomedical waste management.
3. Classify Entamoeba. Describe in detail about the pathogenesis and laboratory diagnosis of Entamoeba Histolytica.

Write short note on any FIVE of the following:

5 X 5 = 25

4. Cultivation of Viruses.
5. Contribution of Robert Koch.
6. Staining techniques in Bacteria.
7. Coagulase test.
8. PCR (Polymerase Chain Reaction).
9. Hot Air Oven.
10. Laboratory Diagnosis of Gonococci.

Write briefly on the following:

10 X 2 = 20

11. Aspergillosis.
12. Draw a diagram of HIV Morphology.
13. Name two DNA Viruses.
14. Name two recent viruses.
15. Alberts staining.
16. Pasteurization.
17. Types of Motility with example.
18. Bacterial capsule.
19. Fluorescence Microscope.
20. Dimorphic Fungi.
