

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

**B.Sc. (POST BASIC NURSING), I YEAR DEGREE EXAMINATIONS:
NOVEMBER 2025**

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. Explain the pathogenesis, structure and lab diagnosis of HIV.
2. Define and Classify Immunity. Explain in detail acquired immunity
3. Define sterilization. Draw and explain in detail about autoclave.

Write short notes on any FIVE of the following:

5 X 5 = 25

4. Bacterial flagella.
5. Immunoglobulin's.
6. Life cycle of Entamoeba histolytica.
7. Cultivations of viruses.
8. BCG.
9. Biomedical waste management.
10. Nosocomial infections.

Write briefly on the following:

10 X 2 = 20

11. Antigen.
12. Acid fast staining.
13. Name four food borne diseases.
14. List four common disinfectants.
15. Name two acid fast bacteria.
16. Name four malarial parasites.
17. Oral thrush.
18. VDRL.
19. Pasteurization.
20. Name two transport media.
