

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

FIRST YEAR B.Sc. (NURSING) DEGREE EXAMINATIONS: MARCH 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: 2X15=30

1. Classify viruses. Describe in detail about cultivation of viruses.
2. Classify malarial parasite. Write briefly life cycle, pathogenesis, and laboratory diagnosis of plasmodium falciparum/
3. Define antigen and antibody. Discuss about types and applications of antigen and antibody reactions.

Write short notes on any FIVE of the following: 5X5=25

4. Bacterial spore
5. Gram staining
6. Anaerobic culture methods
7. Laboratory diagnosis of cholera
8. Stool examination for amoebiasis
9. Treponema pallidum
10. Nosocomial infections

Write briefly on the following: 10X2=20

11. Coagulase test.
12. Name two bacterial zoonoses.
13. Name two methods of sterilization of operation theatre.
14. Name four bacteria that cause urinary tract infections.
15. Name two deep seated systemic mycoses.
16. Serum sickness.
17. Draw an IgM.
18. Name two gaseous disinfectant.
19. Ziehl Neelsen's Staining.
20. Draw a microfilaria larva.