

2010 Scheme

Q.P. CODE: 103010

Reg. No:

First Year B.Sc Nursing Degree Supplementary Examinations February 2025

Microbiology

Time: 3 Hrs

Max. Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers*
- *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays: **(2x10=20)**

1. Discuss the clinical features and lab diagnosis of infections due to *Staphylococcus aureus*. A note on *MRSA* (*Methicillin Resistant Staphylococcus Aureus*). Describe the infection control measures to prevent the spread of *MRSA* infection in the hospital. **(2+3+2+3)**
2. Enumerate the different species of malarial parasites. Describe the life cycle, clinical features, lab diagnosis and complications of *Plasmodium falciparum* malaria **(2+2+2+2+2)**

Short notes: **(7x5=35)**

3. Lab diagnosis of Pulmonary tuberculosis
4. Delayed hypersensitivity
5. Segregation of Biomedical waste
6. Anaerobic culture methods
7. CSSD
8. Post exposure prophylaxis of Rabies
9. Cryptococcosis

Answer briefly: **(10x2=20)**

10. Japanese encephalitis
11. Pasteurization
12. Gaseous disinfectants
13. Negri body
14. Koch's postulates
15. Innate immunity
16. Types of diarrheagenic *E.coli*
17. Name four zoonotic diseases
18. Hydatid cyst
19. Blood spill management
