

# **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

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