

2010 Scheme

Q.P. CODE: 103010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
November 2022**

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. Enumerate methods of moist heat sterilization. Explain the principal, working and uses of autoclave. Write a note on sterilization control. (2+1+3+2+2)
2. Describe the life cycle and laboratory diagnosis of falciparum malaria. (5+5)

Short notes:

(7x5=35)

3. Pathogenesis of corynebacterium diphtheriae infection.
4. Pathogenesis of cholera.
5. Hospital infection control committee.
6. Pathogenesis and laboratory diagnosis of cryptococcal meningitis.
7. Neurocysticercosis.
8. Post exposure prophylaxis of HIV.
9. ELISA.

Answer briefly:

(10x2=20)

10. Name four arboviruses and disease caused by them.
11. Enumerate four culture methods.
12. Name four differences between exotoxin and endotoxin
13. Pathogenesis of gas gangrene.
14. Methicillin Resistant Staphylococcus Aureus (MRSA).
15. Define agglutination reaction with two examples.
16. Name four live vaccines.
17. Disinfection of blood spillage.
18. Draw a neat, labelled diagram of bacterial cell.
19. COVID - 19 vector vaccine.
