

Q.P. CODE: 113010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations May 2023
Microbiology**

(2016 Scheme)

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*

Essay: (12)

1. Define sterilization. Enumerate the methods of sterilization by dry heat. Describe the functioning of hot air oven. (1+2+9)

Short essays: (2x7=14)

2. Describe the pathogenesis and prophylaxis of polio virus. (3+4)
3. Collection, transport and laboratory diagnosis of vibrio cholera. (1+2+4)

Short notes: (5x5=25)

4. Laboratory diagnosis of dengue.
5. Laboratory diagnosis of falciparum malaria.
6. ELISA.
7. Leishmaniasis.
8. Methods of transmission of infection.

Answer briefly: (3x4=12)

9. Methicillin Resistant Staphylococcus Aureus (MRSA).
10. Candida albicans.
11. Hand hygiene.

Differentiate between: (3x4=12)

12. Immunoglobulin M and Immunoglobulin G.
13. Gram positive and Gram negative bacterial cell wall.
14. Exotoxin and Endotoxin.
