

Q.P. CODE: 113010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations July 2025
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. Describe the pathogenesis, specimen collection and laboratory diagnosis of pulmonary tuberculosis. Mention briefly the air born infection control measures and prophylaxis of tuberculosis. (2+2+5+2+1)

Short essays: (2x7=14)

2. Write the mode of transmission and laboratory diagnosis of HIV. (2+5)
3. Define Sterilization. Describe the principle and uses of Steam Sterilizers. (1+4+2)

Short notes: (5x5=25)

4. Biomedical waste management.
5. Complications of falciparum malaria.
6. Ig E Antibody.
7. Opportunistic fungal infections.
8. Laboratory diagnosis of syphilis.

Answer briefly: (3x4=12)

9. Sequential Steps to be followed after needle stick injury.
10. Widal Test.
11. Amoebic dysentery.

Differentiate between: (3x4=12)

12. Bacterial meningitis and Viral meningitis.
13. Live vaccines and Killed vaccines.
14. Ig E antibody and Ig M antibody.
