

Q.P. CODE: 113010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
February 2026
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. Enumerate the viruses causing hepatitis. Discuss in detail the mode of transmission, laboratory diagnosis and prophylaxis of hepatitis B virus infection. (1+2+5+4)

Short essays: (2x7=14)

2. Classify hypersensitivity reactions. Write in detail about Type I hypersensitivity reaction. (2+5)
3. List the major health care associated infections. Discuss briefly the pathogenesis and prevention of Catheter Associated Urinary Tract Infection. (2+5)

Short notes: (5x5=25)

4. Candidiasis.
5. Clinical manifestations and laboratory diagnosis of filariasis.
6. Collection and transport of specimen for blood culture.
7. Prophylaxis for diphtheria.
8. Bacterial growth Curve.

Answer briefly: (3x4=12)

9. Standard work precautions.
10. Methicillin Resistant Staphylococcus aureus.
11. Mode of transmission, and diagnosis of hook worm infection.

Differentiate between: (3x4=12)

12. Active and Passive immunity.
13. Injectable and Oral Polio Vaccine.
14. Gram-positive cell wall and Gram-negative cell wall.

CORRECTION / NO-CORRECTION FILE
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QPCODE: 113010

Dated: 13-02-2026

Question No.9

Modified as "Standard precautions."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS