

QP CODE: 111011

Reg. No:.....

**First Year Post Basic B.Sc Nursing Regular/Supplementary  
Examinations October 2024**

**Microbiology**

**(2016 Scheme)**

Time: 3 Hours

Total 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*

**Long Essay: (12)**

1. Enumerate the organisms causing sexually transmitted diseases. Discuss the pathogenesis and laboratory diagnosis of syphilis (3+5+4)

**Short Essays: (2x7=14)**

2. Describe the pathogenesis and laboratory diagnosis of rabies. Write a note on post exposure prophylaxis (2+2+3)
3. Describe the principle and working of hot air oven. Mention the sterilization controls used. (2+3+2)

**Write short notes on: (5x5=25)**

4. Carriers for enteric fever.
5. Laboratory diagnosis of malaria.
6. Laboratory diagnosis of vaginal candidiasis.
7. Classify Vibrios. Describe the collection and transport of samples collected in cholera. Name two selective media used for the culture purpose.
8. Agglutination reactions.

**Answer briefly: (4x4=16)**

9. Coagulase test
10. Name two DNA and two RNA viruses
11. Draw and Label IgM antibody
12. Enumerate the agents causing meningitis. What are the samples collected for laboratory diagnosis.

**Differentiate between (2x4=8)**

13. Oral Polio Vaccine and Injectable Polio vaccines
14. T cells and B cells

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