

**First Year Post Basic B.Sc Nursing Regular/Supplementary  
Examinations August 2021**

**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. Explain the morphology of HIV. Describe the clinical features and diagnostic measures of HIV infection. Briefly mention the preventive measures. (2+4+4+2)

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

2. Explain the types and clinical features of dengue virus infection. Describe in brief the preventive measures. (2+3+2)
3. Enumerate the functions of bacterial capsule. Explain the gram positive bacterial cell wall with a neat labelled diagram. (3+4)

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

4. Prophylaxis in rabies
5. Polio vaccines
6. Labelled diagram of autoclave
7. Tuberculin test
8. Bacterial flagella

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

9. Pasteurization
10. Classification of fungal infections
11. VDRL test
12. Diagnostic measures for Typhoid

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

13. Pneumococci and viridans streptococci
14. Prokaryotic and eukaryotic cells

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