

**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
