

**First Year Post Basic B.Sc Nursing Supplementary Examinations  
April (November), 2020**

**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. Define and classify hypersensitivity reactions. Explain type I hypersensitivity reaction. (2+5+5)

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

2. Name four bacteria causing foodborne infections. Describe morphology, clinical features, and laboratory diagnosis of cholera. (2+2+3)
3. List hepatitis viruses. Describe laboratory diagnosis and prophylaxis of hepatitis B virus. (2+2+3)

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

4. Life cycle of ascaris lumbricoides.
5. Passive immunity.
6. Laboratory diagnosis of syphilis.
7. Antiseptics
8. Robert Koch

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

9. Enumerate four vector borne diseases.
10. Biomedical waste management.
11. Candida albicans
12. Transport media for transferring specimens

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

13. RNA viruses and DNA viruses
14. Dry sterilization and moist sterilization