

Q.P. CODE: 113010

Reg. No: .....

**First Year B.Sc Nursing Degree Supplementary Examinations**  
**February 2022**  
**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. Describe the morphology, pathogenesis and lab diagnosis of Corynebacterium diphtheriae. Add a note on diphtheria vaccine (2+3+4+3)

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

2. Laboratory diagnosis and prophylaxis of hepatitis B infection (5+2)
3. Describe pathogenesis and lab diagnosis of mycobacterium tuberculosis (3+4)

**Short notes:** (5x5=25)

4. Bacterial spores.
5. COVID - 19 infection.
6. Biomedical waste management.
7. Filariasis
8. Cryptococcosis.

**Answer briefly:** (3x4=12)

9. Gaseous disinfectants.
10. Anaphylaxis.
11. Antibiotic policy in hospital.

**Differentiate between:** (3x4=12)

12. Taenia solium and Taenia saginata.
13. Prokaryotic and Eukaryotic cells.
14. Active immunity and passive immunity.

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