



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.

