

Q.P. CODE: 113010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
November 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. List the common hospital acquired infections. Explain the modes of transmission of infection. Briefly describe the preventive measures for hospital acquired infections. (3+4+5)

Short essays: (2x7=14)

2. Laboratory diagnosis and prophylaxis of diphtheria (4+3)
3. Classification of streptococci based on their haemolytic properties. Enumerate the pyogenic and non-suppurative infections caused by Streptococci pyogenes (3+4)

Short notes: (5x5=25)

4. Anaerobic culture methods
5. Gaseous methods of sterilization
6. Laboratory diagnosis of cholera and measures to prevent its spread of infection
7. Polio vaccine
8. Laboratory diagnosis and classification of dermatophytes

Answer briefly: (3x4=12)

9. ELISA (Enzyme linked Immunosorbent Assay)
10. Types of diarrhogenic escherichia coli
11. Labelled structure of immunoglobulin G

Differentiate between: (3x4=12)

12. Amoebic dysentery and bacillary dysentery
13. Plasmodium falciparum and plasmodium vivax
14. Type I and Type IV hypersensitivity reactions
