

Q.P. CODE: 113010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
October 2023
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 pathogenesis and clinical features of pulmonary tuberculosis. Describe in detail the laboratory diagnosis. Add a note on prophylaxis for tuberculosis. (4+6+2)

Short essays:

(2x7=14)

2. Enumerate the toxins and enzymes produced by staphylococcus aureus. Expand MRSA. Describe the measures to prevent spread of MRSA infections in hospitals. (3+1+3)
3. Enumerate the viruses causing hepatitis. Describe in detail the laboratory diagnosis of hepatitis B. (2+5)

Short notes:

(5x5=25)

4. National immunization schedule
5. Prophylaxis of rabies infection
6. Cryptococcosis
7. Principle and uses of autoclave
8. Life cycle of *Ascaris lumbricoides*

Answer briefly:

(3x4=12)

9. Type 1 hypersensitivity reaction
10. Gram staining
11. Bacterial growth curve

Differentiate between:

(3x4=12)

12. Active and Passive immunity
13. Gonococci and Meningococci
14. *Taenia solium* and *Taenia saginata*
