

Q.P. CODE: 113010

Reg. No: .....

**First Year B.Sc Nursing Degree Supplementary Examinations  
October 2024  
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. Discuss the pathogenesis, clinical stages and laboratory diagnosis of HIV infection

**(4+6+2)**

**Short essays:**

**(2x7=14)**

2. Describe the pathogenesis and laboratory diagnosis of pulmonary tuberculosis **(2+5)**

3. Name the fungi causing opportunistic fungal infections. Describe the pathogenesis and laboratory diagnosis of any one of them **(2+5)**

**Short notes:**

**(5x5=25)**

4. Define infection. Explain the modes of transmission of infection

5. Describe the laboratory diagnosis of syphilis

6. Acquired immunity

7. Briefly discuss about Enteric fever

8. National Immunization programme

**Answer briefly:**

**(3x4=12)**

9. Contribution of Louis Pasteur in Microbiology

10. Standard Precautions

11. Clinical manifestations and laboratory diagnosis of intestinal amoebiasis

**Differentiate between:**

**(3x4=12)**

12. Live vaccines and Killed vaccines

13. Exotoxins and Endotoxin

14. Sterilisation and Disinfection

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