

**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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