

Q.P. CODE: 113010

Reg. No: .....

**First Year B.Sc Nursing Degree Examinations November 2017****Microbiology****(2016 Scheme)****Time: 3 Hrs****Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

**Essay: (12)**

1. Describe the morphology, clinical features and laboratory diagnosis of HIV/AIDS. Add a note on post exposure prophylaxis. (1+2+6+3)

**Short essays: (2x7=14)**

2. Bio medical waste management principles and steps. (3+4)
3. Describe the sample collection and laboratory diagnosis of pulmonary tuberculosis. Expand the terms RNTCP and DOTS. (2+3+1+1)

**Short notes: (5x5=25)**

4. General and specific measures to prevent hepatitis B virus infection.
5. Laboratory diagnosis of malaria.
6. Barrier nursing
7. Operating theatre sterilization
8. Leptospirosis

**Answer briefly: (3x4=12)**

9. Widal test
10. Opportunistic fungal infections
11. Laboratory diagnosis of urinary tract infection

**Differentiate between: (3x4=12)**

12. Oral and injectable polio vaccines (OPV and IPV)
13. Dry heat and moist heat sterilization.
14. Gram positive and gram negative cell wall

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