

QP CODE: 111011

Reg. No:.....

**First Year Post Basic B.Sc Nursing Supplementary Examinations  
April 2018**

**Microbiology**

**(2016 Scheme)**

**Time: 3 Hours**

**Total Marks: 75**

- **Answer all questions**
- **Draw diagram wherever necessary**

**Long Essay:** (12)

1. Classify hepatitis virus. Describe the modes of transmission, laboratory diagnosis and prophylaxis of hepatitis B virus. (2+2+5+3)

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

2. List common organisms causing urinary tract infection (UTI). Describe the sample collection and laboratory diagnosis of UTI. (2+2+3)
3. Describe in detail life cycle and laboratory diagnosis of plasmodium falciparum. (4+3)

**Write short notes on:** (5x5=25)

4. Tuberculin skin test
5. Corynebacterium diphtheriae
6. ELISA (enzyme linked immunosorbent assay)
7. Cold chain
8. Transport media

**Answer briefly:** (4x4=16)

9. Standard tests for syphilis
10. Cryptococcus neoformans
11. Staphylococcus aureus
12. Prophylaxis against influenza

**Differentiate between** (2x4=8)

13. Live vaccine and killed vaccine
14. Gram positive and gram negative cell wall

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