

**Q.P. CODE: 113010**

**Reg. No: .....**

**First Year B.Sc Nursing Degree Examinations October 2018**

**Microbiology**

**(2016 Scheme)**

**Time: 3 Hrs**

**Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

**Essay:**

**(12)**

1. List the bacteria causing urinary tract infections. Describe in detail the sample collection in a one year old baby, an adult male, female and a catheterised patient. Briefly describe the transport, processing and culture of a urine sample. (3+5+4)

**Short essays:**

**(2x7=14)**

2. Laboratory diagnosis of cholera and measures to be taken to prevent spread of infection in a cholera outbreak. (4+3)
3. Describe the infections caused by staphylococcus aureus. Expand MRSA. Add a note on the measures to prevent spread of MRSA infections in hospitals. (3+1+3)

**Short notes:**

**(5x5=25)**

4. Laboratory diagnosis and prevention of hepatitis B infection.
5. Candidiasis
6. DPT vaccine
7. Laboratory diagnosis and prevention of swine flu ( $H_1N_1$ ) infection.
8. Hook worm infections

**Answer briefly:**

**(3x4=12)**

9. VDRL/RPR test
10. Prevention of surgical site infections.
11. Diphtheria

**Differentiate between:**

**(3x4=12)**

12. Type I and type IV hypersensitivity reactions
13. Plasmodium vivax and plasmodium falciparum in peripheral smear
14. Neural and non-neural vaccines in rabies prophylaxis

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