

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 (H₁N₁) 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
