

**Q.P. Code: 205001**

**Reg. no.:** .....

Second Professional MBBS Degree Supplementary Examinations,  
September 2015

**Microbiology - Paper I**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(10)**

1. A twenty five years old lady presented with frequency in passing urine and pain during micturition along with fever for the last five days. Microscopy of urine showed plenty of pus cells and bacilli . Answer the following:

- What is your diagnosis .
  - Name of the common bacteria causing this condition .
  - What is significant bacteriuria .
  - How will you confirm the diagnosis in the laboratory.
  - What are the screening techniques for the presumptive diagnosis of significant bacteriuria
- (1+2+1+4+2=10)

**Short essay:**

**(2x5=10)**

2. Pathogenesis of autoimmune diseases
3. Compare exotoxin and endotoxin

**Short notes:**

**(10x2=20)**

4. Halophilic vibrios
5. Pasteurization
6. Transport media
7. Gene therapy
8. ELISA
9. B-lymphocytes
10. Toxic shock syndrome
11. Coagulase negative staphylococci
12. Tric agents
13. L-forms

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