

**Q.P. Code: 205001****Reg. No.: .....****Second Professional MBBS Degree Supplementary Examinations  
July 2019****Microbiology - Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay: (10)**

1. A 25 year old female patient came to medical O.P with history of high grade fever with chills rigor. She also complaints of painful micturition.
  - What is your provisional diagnosis
  - Name four common bacteria causing this condition
  - Describe in detail the sample collection transport and processing for the laboratory diagnosis of this condition
  - Name four drugs used for treating this patient
  - What are the predisposing factors for the above condition (1+2+4+2+1)

**Short essay: (2x5=10)**

2. Bacterial spore and its demonstration
3. Innate immunity

**Short notes: (10x2=20)**

4. Gaseous disinfectants
5. Transport media
6. Enumerate methods of gene – transfer in bacteria
7. Adjuvant
8. Graft – versus host reaction
9. Diphtheria toxin
10. Botulism
11. Group B streptococci
12. Name four different bacteria causing dysentery
13. Relapsing fever

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