

Q.P. Code: 205001

Reg. no.: .....

**Second Professional MBBS Degree Examinations February 2018****Microbiology - Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:****(10)**

1. Define sterilization and disinfection. Name the best method of heat sterilization temperature/s employed and holding periods. Describe the working of above instrument and its applications in hospital and lab. What are the sterilization controls used. (2+2+4+2)

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

2. Type 4 hypersensitivity
3. Laboratory diagnosis of pulmonary tuberculosis

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

4. Laboratory diagnosis of cholera
5. Radiation as a sterilization method
6. Enriched media
7. IgA
8. Define artificial active immunity with two examples
9. ELISA – types and applications
10. Laboratory diagnosis of urinary tract infection
11. Laboratory diagnosis of brucellosis
12. Laboratory diagnosis of actinomycosis
13. Satellitism

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