

**Q.P. Code: 205001**

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

Second Professional MBBS Degree Supplementary Examinations,  
September 2013

**Microbiology - Paper I**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(10)**

1. Read the clinical history and answer the following questions:

A 15 years old boy was admitted in ward with history of fever, malaise, anorexia and adnominal discomfort. He had a coated tongue, toxemia, relative bradycardia and splenomegaly on palpation of abdomen.

- What is the probable diagnosis and name the aetiological agent.
- What is the pathogenesis.
- What are the samples to be collected at different stages of the illness.
- Describe briefly the laboratory diagnosis.
- What is the prophylaxis.

(1+2+2+4+1=10)

**Short essay:**

**(2x5=10)**

2. Pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
3. Moist heat sterilization techniques.

**Short notes:**

**(10x2=20)**

4. Eleke's gel precipitation test
5. B cells.
6. Bacterial spore.
7. Active immunity.
8. Bacterial conjugation.
9. Satellitism.
10. Toxic shock syndrome.
11. Listeria monocytogenes.
12. Bordetella pertussis.
13. 'Q' fever.

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