

Q.P. Code: 205001

Reg. no.:

**Second Professional MBBS Degree Supplementary Examinations
July 2018**

Microbiology - Paper I

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(10)

1. A thirty two years old lady presented with complaints of step ladder type of high fever, headache and coated tongue for the past ten days. She had hepatosplenomegaly and bradycardia. Blood count showed leucopenia. Answer the following:
 - What is the diagnosis of this condition
 - Name the species of bacteria causing this condition
 - Discuss about the pathogenesis of this disease
 - How will you confirm the diagnosis in the laboratory
 - Name the vaccines used for prevention of this disease

(1+1+3+3+2)

(2x5=10)

Short essay:

2. Bacterial spore and methods for its disinfection
3. Immunoglobulin G (IgG)

Short notes:

(10x2=20)

4. List four contributions of Louis Pasteur to microbiology
5. Phenol co-efficient
6. Name the causative agent and transmitting vector for plague
7. Mention two methods of extra chromosomal transfer of genetic material in bacteria
8. Name two other pigment producing bacteria.
9. Name four autoimmune diseases
10. Malignant pustule
11. Name four sexually transmitted diseases and the causative agents
12. DPT vaccine
13. Lab. diagnosis of pulmonary tuberculosis.
