

Q.P. Code: 205001

Reg. No.:

**Second Professional MBBS Degree Supplementary Examinations
May 2022****Microbiology - Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essay: (10)

1. A 30 years old male patient suffering with intense headache, abdominal discomfort since 6 days. He developed fever of remittent type with gradual rise in a step ladder fashion. On examination he was toxic with temperature of 101.4⁰F, tongue was coated and mild splenomegaly present.

- What is the most probable diagnosis. Name the causative agents.
- Describe the pathogenesis of this disease
- Describe in detail the sample collection and laboratory diagnosis of this condition.
- Name four drugs used for treatment
- Discuss the preventive measures

(2+2+3+1+2)

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

2. ELISA
3. Autoclave

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

4. Louis Pasteur
5. Bacillus cereus
6. Bacterial capsule
7. Tetanus toxoid vaccine
8. List two bactericidal and two bacteriostatic anti tubercular drugs
9. Löffler's serum slope
10. Serum sickness
11. Transduction
12. Name four sporicidal disinfectants
13. Name four causative agents of neonatal meningitis.
