

## **2010 Scheme**

**Q.P. Code: 205001**

**Reg. No.: .....**

### **Second Professional MBBS Degree Supplementary Examinations July 2023**

#### **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 six-year-old boy presented with history of dysphagia, fever and throat pain for the last 3 days. On examination, his throat was congested and tender lymphadenopathy in the cervical area was noted.
  - a) What is the most probable diagnosis
  - b) Describe the pathogenesis of this disease
  - c) Name two non-suppurative sequelae
  - d) How will you confirm the diagnosis

(2+3+2+3)

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

2. Conjugation
3. Classification of antibiotics based on the mechanism of action

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

4. CD4 lymphocyte.
5. Type 3 hypersensitivity.
6. Properties and functions of IgM.
7. Give two examples of enriched media.
8. Pasteurisation.
9. Name any two antigen-antibody reactions.
10. Give three examples of live attenuated vaccines.
11. Koch's postulates.
12. Stages of bacterial growth curve.
13. Incubation period.

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