

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.
