

2010 Scheme

Q.P. Code: 205001

Reg. No.:

Second Professional MBBS Degree Supplementary Examinations March 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 25-year-old male presented with tender swelling of left foot with serosanguinous discharge. Is positive for crepitus on examination. He gives H/o traumatic injury one week back in the same area.
 - a) What is the most probable clinical diagnosis and the most probable etiologic agent
 - b) How will you confirm the clinical diagnosis
 - c) Describe the pathogenesis of this condition
 - d) Name the antibiotic of choice for treating this condition (2+3+4+1)

Short essay: (2x5=10)

2. Agglutination.
3. Enumerate moist heat methods of sterilization and discuss one method in detail.

Short notes: (10x2=20)

4. Selective media with two examples.
5. Name two acute inflammatory markers.
6. MRSA.
7. Name four autoimmune diseases.
8. Name four killed vaccines.
9. Adjuvant.
10. Enumerate the four classes of immunoglobulins.
11. Significance of MHC in transplantation.
12. Give two examples of mediators of type I hypersensitivity.
13. Define plasmid. Give two clinical significance of plasmid.
