

Q.P. Code: 205001

Reg. No.:

**Second Professional MBBS Degree Supplementary Examinations
December 2021****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 36 years man was having watery diarrhea and vomiting. He was admitted to the hospital for management of dehydration. Answer the following:
 - Define diarrhea.
 - Enumerate the bacterial etiologic agents of diarrhea.
 - Describe the pathogenesis of this clinical entity.
 - How will you provide prophylaxis.

(1+2+5+2)**Short essay:****(2x5=10)**

2. Classical pathway of complement activation.
3. Monoclonal antibodies.

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

4. Non -gonococcal urethritis.
5. Ridel-Walker test.
6. Transposons.
7. Give two examples of tumor associated antigens.
8. Standard agglutination test for brucellosis.
9. T lymphocytes.
10. Two non-suppurative sequelae of streptococcus pyogenes infection.
11. Enumerate the four phases of bacterial growth curve.
12. Mantoux test.
13. Give two examples of killed vaccines.
