

**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)**

**(2x5=10)**

**Short essay:**

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.

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