



K21U 1134

Reg. No. : .....

Name : .....

IV Semester B.Sc. Degree CBCSS (OBE) Regular Examination, April 2021  
(2019 Admission Only)

CORE COURSE IN MICROBIOLOGY

4B05 MCB : Basic Immunology

Time : 3 Hours

Max. Marks : 40

PART – A

Short Answer. Answer **all** questions. **Each** question carries **1** mark. (6×1=6)

1. Active immunity.
2. Racial immunity.
3. Attributes of Antigenicity.
4. Prozone phenomenon.
5. Sandwich ELISA.
6. Type II Hypersensitivity reactions.

PART – B

Short Essay. Answer **any 6** questions. **Each** question carries **2** marks. (6×2=12)

7. Haptens.
8. Comment on IgM.
9. Clonal selection theory.
10. Ouchterlony procedure.
11. Comment on different types of grafts.
12. Carcinoembryonic antigens.
13. SLE.
14. Hashimoto's disease.

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PART – C

Essay. Answer **any 4** questions. **Each** question carries **3** marks. (4×3=12)

15. Comment on Primary Lymphoid organs.
16. Hybridoma technology.
17. Explain the use of Western blot in HIV detection.
18. Wasserman reaction.
19. Briefly describe the mechanism of Allograft rejection.
20. Delayed Type Hypersensitivity.

PART – D

Long Essay. Answer **any 2** questions. **Each** question carries **5** marks. (2×5=10)

21. Write an essay on innate immune barriers in our body.
  22. Describe the structure of antibody with diagram.
  23. Write an essay on Agglutination reaction tests used in serology.
  24. Comment in detail about Type I Hypersensitivity reactions.
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