



K22U 1570

Reg. No. :

Name :

**IV Semester B.Sc. Degree CBCSS (OBE) Regular/Supplementary/Improvement
Examination, April 2022
(2019 Admission Onwards)
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. Passive immunity
2. Species immunity
3. MALT
4. Prozone phenomenon
5. VDRL test
6. Horror autotoxicus

PART – B

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

7. Primary and secondary immune response.
8. Clonal selection theory.
9. What is epitope? Comment on different types of epitopes.
10. Ouchterlony procedure.
11. Sequestered antigens.
12. Hemolytic anemia.
13. Comment on different types of grafts.
14. Carcinoembryonic antigens.

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K22U 1570



PART – C

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

15. What are Complete antigens and Haptens.
16. Briefly describe antigenic specificity.
17. Coombs test.
18. Sandwich ELISA
19. Immune Complex Diseases
20. Delayed Type Hypersensitivity.

PART – D

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

21. Detail about the structure and functions of primary lymphoid organs.
 22. Explain in detail the structure of antibody with diagram.
 23. Write an essay on Complement Fixation Test.
 24. Explain the mechanism of Allograft rejection.
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