



K25U 0839

Reg. No. :

Name :

**IV Semester B.Sc. Degree (C.B.C.S.S. – OBE-Regular/Supplementary/
Improvement) Examination, April 2025
(2019 to 2023 Admissions)
CORE COURSE IN MICROBIOLOGY
4B05MCB : Basic Immunology**

Time : 3 Hours

Max. Marks : 40

PART – A

Answer **all** questions. **Each** question carries **1** mark.

1. Antigen presenting cells.
2. Incomplete antigens.
3. Antibody affinity.
4. Atopy.
5. Immune surveillance theory.
6. Adjuvants.

(6×1=6)

PART – B

Answer **any 6** questions. **Each** question carries **2** marks.

7. Differentiate innate immunity and acquired immunity.
8. Explain clonal selection theory.
9. Write on the salient features of antigen-antibody interaction.
10. What is anaphylaxis ?
11. Differentiate orthotopic transplantation and heterotopic transplantation.
12. Discuss about skin as anatomical barrier of innate immunity.
13. Write on sIgA.
14. What is the principle of RF test ?

(6×2=12)

P.T.O.



PART – C

Answer **any 4** questions. **Each** question carries **3** marks.

15. Differentiate primary and secondary lymphoid follicle.
16. Describe hybridoma technology.
17. Write a note on Widal test.
18. Write a note on tumour antigens.
19. Discuss the role of immunity in allograft rejection.
20. Describe complement fixation test.

(4×3=12)

PART – D

Answer **any 2** questions. **Each** question carries **5** marks.

21. Discuss the characteristics and function of cells involved in immune system.
22. Describe the structure of an immunoglobulin with the help of a suitable diagram.
23. What is the principle of precipitation reaction ? Discuss the common methods of precipitation reactions.
24. Write on Gel and Coomb's classification of hypersensitivity reactions with examples.

(2×5=10)

