



QP CODE: 22100524



22100524

Reg No :

Name :

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, APRIL 2022

Third Semester

B.Sc Biotechnology Model III

CORE COURSE - BT3CRT06 - BASIC IMMUNOLOGY

2017 Admission Onwards

525D5698

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Meaning of Immunity.
2. What are the chemical mediators that involved in innate immunity?
3. Give examples for haptents.
4. What is CALT ?
5. What is cell mediated immunity?
6. What are systemic autoimmune disease?
7. Agglutination titre
8. ELISA
9. What is allograft?
10. Rh antigen
11. Toxoid
12. Booster Dose

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain about types of immunity.





14. Comment on phagocytic barrier, with diagram.
15. Give diagrammatic cross section of thymus and its action in immunity.
16. Explain about mononuclear phagocytic system .
17. Explain about Ig G -M mediated hypersensitivity.
18. What is cross reactivity? Give an example for it.
19. Difference between radial immunodiffusion and double immunodiffusion.
20. Discuss different mechanisms by which immune response is elicited towards malignant tumors.
21. Give examples for vaccines.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Explain about antibody and hemoglobin that present in mucosal secretion.
23. Explain systemic auto immune disease, with help of diagrams.
24. Explain different pathways of complement fixation.
25. Give an account of polyclonal and monoclonal antibodies.

(2×10=20)

