

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
DEPARTMENT OF BIOTECHNOLOGY
END SEMESTER EXAMINATION – NOVEMBER, 2021
IMMUNOTECHNOLOGY

SUBJECT CODE: 19BY/PC/IM34
CLASS: II M.Sc.

TIME: 3hours
MAX MARKS: 100

SECTION A

ANSWER ALL QUESTIONS

(15x2=30)

1. Differentiate antigen and immunogen.
2. What is meant by sloppy eating?
3. Differentiate small lymphocytes and Lymphoblast.
4. What is an isotype?
5. What is PRR?
6. What are abzymes?
7. Comment on the peptide groove of MHC I and II molecules.
8. What is innocent bystander lysis?
9. What are anaphylatoxins?
10. What is graft versus host disease?
11. What is wheel and flare reaction?
12. Differentiate tumor specific and tumor associated transplantation antigens.
13. What is mixed lymphocyte reaction?
14. Differentiate agglutination and precipitation reactions.
15. What is FANA? What are its applications?

SECTION B

ANSWER ANY ALL QUESTIONS

(5x10=50)

16. (a) Give an account on phagocytosis.
(or)
(b) Differentiate innate and adaptive immune responses.
- 17 (a) Briefly explain cytokine receptors.
(or)
(b) Give an account on antibody mediated effector functions.
- 18 (a) (a) Briefly explain MHC.
(or)
(b) Give an account on endogenous pathway of antigen processing and presentation.

- 19 (a) Briefly explain the basis of graft rejection.
(or)
(b) Give an account on organ specific autoimmune diseases.
- 20 (a) Write a note on vaccines.
(or)
(b) Write a note on precipitation reactions.

SECTION C

ANSWER ANY ONE QUESTION

(1x20 = 20)

- 21 Elaborate on Hypersensitivity reactions.
- 22 Give an account on lymphoid organs.