

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15ZL/MC/IM64

B. Sc. DEGREE EXAMINATION APRIL 2019
BRANCH VIA. ADVANCED ZOOLOGY & BIOTECHNOLOGY
SIXTH SEMESTER

COURSE : MAJOR CORE
PAPER : IMMUNOLOGY
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL QUESTIONS:

(10 X 3 = 30)

1. Who is the Father of Immunology? Why?
2. Mention the functions of Thymus.
3. What is Epitope?
4. Name the different types of heavy chain.
5. What are Memory cells?
6. Distinguish between Cell Mediated and Humoral Mediated Immunity.
7. Comment on Interferons.
8. What is Transfusion reaction?
9. Expand the following:
a. TCR b. PRR c. CTL
10. List the functions of complements.

SECTION – B

ANSWER ANY FIVE QUESTIONS:

(5 X 6 = 30)

11. Write a short note on Secondary lymphoid organs.
12. Explain the different types of antigen.
13. Explain the different types of grafts.
14. Explain the characteristic phases of the Primary Immune Response.
15. Write a short note on Immune Response against Protozoan parasites.
16. Explain Systemic Lupus Erythematosus.
17. Explain the differences between the Natural and Artificial Passive immunity.

SECTION – C

ANSWER ANY TWO QUESTIONS:

(2 X 20 = 40)

18. Write an essay on the antigen and antibody reactions.
19. Explain the different types of Hypersensitivity reactions.
20. Write an essay on the Cytokines.
21. What are vaccines? Explain the different types with examples.
