



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

FIFTH SEMESTER – APRIL 2019

16UZO5MC04/AZ 5517–IMMUNOLOGY

Date: 23-04-2019

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

SECTION – A

(10 X 2 = 20 Marks)

Answer ALL questions.

1. What is the significance of BCG?
2. Write a note on haptens.
3. What is MALT?
4. What are Interferons ?
5. Comment on Xenograft.
6. Define allergen.
7. Comment on Delayed hypersensitivity.
8. What is meant by Magic bullet?
9. Comment on HLA.
10. What is Immune surveillance?

SECTION – B

(4 X 10 = 40 Marks)

ANSWER FOUR OF THE FOLLOWING.

11. Write in detail account on Innate and adaptive immunity.
12. Describe the mechanism of antigen processing and presentation by Macrophages.
13. Give an account on Immunotherapy of tumours.
14. Explain in detail MHC. Add note on the types and functions of MHC.
15. Discuss in detail Hybridoma technology and its application.
16. Describe AIDS and its vaccine status.

SECTION - C

(2 X 20 = 40 Marks)

ANSWER TWO OF THE FOLLOWING.

17. Explain the hypersensitivity reactions and classifications
18. Give a detail account on vaccine and vaccine schedule.
19. Discuss in detail the structure and functions of immunoglobulins.
20. Explain in detail about various types of graft rejection mechanism.

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