

APRIL/MAY 2019

MAM13 — IMMUNOTECHNOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Describe the process of phagocytosis with neat sketch.

Or

- (b) Differentiate T and B lymphocytes.

2. (a) Give brief account on properties of Antigen.

Or

- (b) Write an account on HLA typing.

3. (a) Explain the general structure of immunoglobulin with a neat diagram.

Or

- (b) List out the biological properties of complement.

4. (a) Discuss about the various phases of humoral immune response.

Or

- (b) Write short notes on immune tolerance.

5. (a) Describe about the recombinant DNA vaccine preparation.

Or

- (b) Give any three examples for Autoimmune disorders.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Write an elaborate account on structure and functions of secondary lymphoid organs.
7. Elucidate the structure, distribution and functions of MHC molecule.
8. Discuss in detail about the different pathways of complement activation.
9. Give a detailed notes on cell mediated immune response.
10. Describe in detail about the primary immunodeficiency disorders.