

GSM/D-21
IMMUNOLOGY
Paper–VI

952

Time Allowed : 3 Hours]

[Maximum Marks : 40

Note : Attempt **five** questions in all, selecting **two** question from each Unit.
Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) What is autoimmunity? 8×1=8
(b) What are haptens?
(c) What is the difference between innate and adaptive immunity?
(d) What are Antigen-presenting cells?
(e) What are lymphokines?
(f) What is ELISA?
(g) What are the different classes of antigens?
(h) What are epitopes?

UNIT-I

2. (a) How is inflammation response generated in case of injury? 4
(b) Give a brief account of cells that are involved in the immune response. 4
3. Write down about the structure and function of one primary and one secondary lymphoid organs in detail. 8
4. (a) Discuss the functions of different classes of antibodies. 5
(b) Discuss the differences between immunoprecipitation and agglutination. 3

UNIT-II

5. (a) How is cell-mediated immune response generated in the body. 4
(b) What is the difference between primary and secondary immune response? 4

6. (a) Discuss the classical pathway of complement system giving suitable illustrations. 4
- (b) With the help of diagrams, explain the structure of class I and class II MHC molecules. 4
7. (a) What are recombinant vaccines? Explain in detail. 6
- (b) What is autoimmunity? 2