

Name/Title of Paper- IMMUNOLOGY

Time:-Three Hours.]

[Maximum Marks:080

[Minimum Marks 29

नोट : दोनो खण्डों से निर्देशानुसार उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित हैं।

Note: Answer from Both the Section as Directed. The Figures in the right-hand margin indicate marks.

Section-A

1. Answer the following questions: (1x10=10)
 - (a) Who is the father of Immunology.
 - (b) What are B-Cells/
 - (c) What is hasten?
 - (d) What is antigen specificity?
 - (e) Give the full form of ELISA.
 - (f) What is agglutination?
 - (g) What is Innate Immunity?
 - (h) What is O and H in widol test
 - (i) How is typhoid diagnosis conducted?
 - (j) What is monoclonal antibody?
2. Define the following. (2x5 = 10)
 - (a) Immune system.
 - (b) Heterogeneity
 - (c) Complement fixation.
 - (d) Type - II immunity
 - (e) Adjuvant

SECTION - B

Answer all questions;

Unit -I

3. Write an essay on immunohematology. (15x4 = 60)

OR

Describe in detail on cells and organs involved in immune system.

Unit - II

4. Describe in detail about theories of antibody formation.

OR

Explain in detail on structure and heterogeneity of immunoglobulin.

Unit-III

5. Explain in detail on in vivo techniques for identification of antigens

OR

Write about radio- immune assay and mention its application in diagnosis of clinical diseases caused by microorganisms.

Unit-IV

6. Write an essay on hypersensitivity.

OR

Write about complement components pathways and complement deficiencies.