

OCTOBER 2011

P/ID 40314/PZLK

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 50 words.

Define / Explain the following:

1. Innate Immunity.
2. Prophylaxis.
3. Lymphopoiesis.
4. Mast cells.
5. Immunogenes.
6. Antitoxin.
7. Vaccinia.
8. Radioimmunoassay.
9. MHC Genes.
10. Interferon.

PART B — (5 × 6 = 30 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 250 words.

11. (a) Write a brief note on the major contributions of Louis Pasteur.

Or

- (b) Present an account on the discoveries of Karl Landsteiner.

12. (a) Describe the primary lymphoid organs in man.

Or

- (b) What are lymph nodes? Enlist their functions.

13. (a) Distinguish between Epitopes and Paratopes.

Or

- (b) Make a comparison between Antigens and Haptens.

14. (a) Briefly discuss the factors influencing the antibody formation.

Or

- (b) Comment on T cell activation.

15. (a) What is a 'complement' with reference to immune system?

Or

- (b) Write notes on MHC.

PART C — (5 × 10 = 50 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 500 words.

16. (a) Describe the various physical and mechanical factors of innate immunity.

Or

- (b) Comment on the biochemical factors that are employed to fight against infectious organisms.

17. (a) Highlight the role of Lymphocytes and macrophages in Immune system.

Or

- (b) Write notes on

- (i) Antigen presenting cells
- (ii) Platelets.

18. (a) Trace the essential factors for antigenicity.

Or

(b) What are Heterogenetic antigens? Cite a few examples.

19. (a) Describe the basic structure of Immunoglobulin also mention their properties and functions.

Or

(b) Elaborate on Immune response and explain its types.

20. (a) Discuss in detail the 'antigen – antibody reactions.

Or

(b) Comment on vaccines and their types.
