

S.No. 8716

16 SCCMB 3

(For candidates admitted from 2016–2017 onwards)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Part III — Microbiology — Major

IMMUNOLOGY

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Epitope
2. Agglutininogen
3. Thymectomy
4. Plasma cell
5. Toxoids
6. Pentamer
7. Precipitation
8. Fluorescein
9. Histamine
10. Autograft

PART B — ($5 \times 5 = 25$)

Answer ALL questions, choosing either (a) or (b).

11. (a) Write short note on Erythroblastosis Fartalis.

Or

- (b) What are the types of acquired immunity? Explain it.

12. (a) Explain the structure and function of thymus.

Or

- (b) Write short note on lymphocytes.

13. (a) Write about the properties of antigen.

Or

- (b) Write short note on

(i) Whole organism vaccine

(ii) Peptide vaccine

14. (a) What is RIA? Explain its principle and procedure.

Or

- (b) Write short note on Immunofluorescence.

15. (a) What is Autoimmunity? Explain its mechanism.

Or

- (b) Write about cell mediated hypersensitivity reaction.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Write a detail account on history of immunology.

17. Explain the structure and function of spleen with a neat sketch.

18. Explain the structure and properties of immunoglobulin with a neat sketch.

19. Explain in detail about ouchterlony double immuno diffusion.

20. Write a detail account on Antibody Dependent Cellular Cytotoxic (ADCC) hypersensitivity reaction.