

S.No. 5676

16 SCCMB 3

(For candidates admitted from 2016–2017 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Part III — Microbiology – Major

IMMUNOLOGY

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Universal donor
2. Passive Immunity
3. Null cell
4. Thymectomy
5. Adjuvant
6. Toxoid
7. Agglutininogen

8. Paratope
9. Histamine
10. Autograft

PART B — ($5 \times 5 = 25$)

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

11. (a) Write about ABO blood group system.

Or

- (b) Explain the mechanism of Innate Immunity.

12. (a) Describe the structure and function of Thymus.

Or

- (b) Write short note on Lymphocytes.

13. (a) What are the properties of Ag? Explain it.

Or

- (b) Write about whole organism vaccine.

14. (a) Briefly explain about Double Immuno-diffusion.

Or

- (b) Explain the principle of RIA.

15. (a) Describe in detail about cell mediated hypersensitivity reaction.

Or

- (b) What is auto immunity? Explain its mechanism.

PART C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Write about History of Immunology.
17. Explain the structure and function of lymph node.
18. Describe the structure of Antibody.
19. Explain the principle and procedure of ELISA.
20. Explain the mechanism of Anaphylaxis.