

S.No. 316

17PAM02

(For the candidates admitted from 2017-2018 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

First Semester

Applied Microbiology

IMMUNOLOGY AND IMMUNOTECHNOLOGY

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What is immunology? Explain in brief.

Or

- (b) Write short notes on Lymphocyte.

2. (a) Briefly explain the complement system.

Or

- (b) List out the applications of monoclonal antibody.

3. (a) Give a brief account of 't' Lymphocytes.

Or

(b) What is MHC? Explain.

4. (a) Write short notes on inflammation.

Or

(b) Briefly explain the allergy.

5. (a) What is Vaccine? Explain in brief.

Or

(b) Write short notes on significance of microscopy.

PART C — (5 × 10 = 50 marks)

Answer ALL the questions.

6. (a) Write an essay on cell immune system.

Or

(b) Give a detailed account on the phagocytic cells.

7. (a) Explain in detail about antigen-antibody reaction.

Or

(b) Describe in detail about the hybridoma technology.

8. (a) Write an elaborate account on cytokines.

Or

(b) Describe in detail about the mechanism of phagocytosis.

9. (a) Write an essay on types of hypersensitivity.

Or

(b) Give a detailed account on transplantation technique.

10. (a) Explain in detail about the immune complex.

Or

(b) What is immunofluorescence? Explain in detail.