

CS/2110

IMMUNOLOGY (PAPER III)

10311/211

Attempt two question from the each Section A and B and the section C is compulsory

Time 3 hrs

MM : 52

Section A

- 1 Define the terms "Innate immunity and Acquired immunity". Discuss the barriers of innate immunity in detail 8
- 2 Explain Complement system describing in detail about the activation of complement cascade? 8
- 3 Discuss the overview of humoral and cell mediated branches of the immune system in the humoral response. 8
- 4 Explain class switching? How it is responsible for generation of diversity in antibody? 8

Section B

- 5 Give a detailed account on different types of hypersensitivity. 8
- 6 What is transplantation? Write down the mechanism of Graft rejections 8
- 7 What are monoclonal antibodies? Write the method of their production. 8
- 8 Discuss the construction, administration and mechanism of action of DNA vaccines. 8

Section C

- 9 Explain the following (2 x 10) 20
 - i. Antigenicity
 - ii. Active and passive immunity
 - iii. Immunoglobulins
 - iv. MHC
 - v. AIDS
 - vi. Hypersensitivity
 - vii. Autoimmunity
 - viii. Immunomodulation
 - ix. Hybridoma technology
 - x. Edible vaccine