

D

(Printed Pages 3)

(20721)

Roll No.

B.Sc. (Biotech.) II Year

NS-3468 (CV-II)

**B.Sc. (Biotechnology) Examination,
June-2021**

Immunology and Immunotechnology

(B-205)

B.Sc. (Bio-Tech.)

Time : 1½ Hours]

[Maximum Marks : 50

Note : Answer any **two** questions. **All** questions carry equal marks.

1. What is MHC reconstruction? How do MHCs molecule help in presenting antigen to T-cells?
2. Define hybridoma technology? Discuss its utility for the production of monoclonal antibodies. Write its application also?

P.T.O.

3. What is Immunelectrophoresis? What is meaning of term IRMA & ELISA?
4. What is antigenic determinants on immunoglobulin? Give an account of each type Isotype, Idiotype and Allotype?
5. Give concise account of nature of vaccines? Discuss the role at biotechnology in development of new method for production of vaccines?
6. Write short note on:
 - (a) Pernicious anaemia
 - (b) Rheumatoid arthritis,
 - (c) Hashimoto's thyroiditis
7. What is Humoral Immunity? How it is differ from cell-mediated immunity, Explain?

NS-3468 (CV-II)/2

- g. Write short note on any (**two**) :
- (a) Type IV Hypersensitivity reaction
 - (b) Acquired immunity & Passive immunity
 - (c) MHC complex
 - (d) Abnormal Immunoglobulin