

Roll No.

Total No. of Questions : 13]

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Paper ID [C1422]

(Please fill this Paper ID in OMR Sheet)

B.Sc. BI (501) (Old/S05) (Sem. - 5th) IMMUNOLOGY & MOLECULAR BIOLOGY

Time : 03 Hours

Maximum Marks : 75

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - **B**.

Section - A

(15 × 2 = 30)

Q1)

- a) Immunogen
- b) Cancer
- c) T-cells
- d) Neutralization
- e) Transgenic plants
- f) Monoclonal antibody
- g) ELISA
- h) Hypersensitivity
- i) Biotechnology
- j) Secondary Immune response
- k) Active Immunity
- l) Humoral Immunity
- m) Partial antigen
- n) Resistance
- o) Serological testing

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P.T.O.

Section - B

(9 × 5 = 45)

- Q2)** Discuss briefly the cell response to stress.
- Q3)** What are various antigen-antibody reactions?
- Q4)** What is difference between active and passive immunity?
- Q5)** Discuss about Humoral Immunity.
- Q6)** Discuss about basic structure of Antibody.
- Q7)** What are various characteristics of Antigens?
- Q8)** Give examples of transgenic animals.
- Q9)** Discuss various applications of Immunobiotechnology.
- Q10)** What are lymphokines? Discuss their mode of action.
- Q11)** What is primary and secondary immune response?
- Q12)** What is RIA? What is its use?
- Q13)** Discuss various Immunoassay methods.

