

Exam. Code : 107404
Subject Code: 1770

B.Sc. (Bio-Technology 4th Semester
BT-5 : IMMUNOLOGY-B

Time Allowed—2 Hours] [Maximum Marks—40

Note :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

- I. Describe the process of T-cell maturation in thymus.
- II. What are abzymes? Give some clinical applications of monoclonal antibodies.
- III. Explain the principle of RIA and describe the different methods of separating free antigens from bound antigens in RIA.
- IV. Describe immunoelectrophoresis technique. Comment on its quantitative nature.
- V. Discuss the immunopathological consequences of malarial infection.
- VI. What is immune invasion? Discuss the mechanisms of host defense evasion.
- VII. What do you understand by active and passive immunization? Discuss advantages and dis-advantages of both.
- VIII. How purified macromolecular vaccines are synthesized? Give some examples.

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