



RAN-1803080501020001

M.Sc. (Sem. I) Examination November - 2025

Zoology

Zoo : 1002 - Biochemistry and Immunology

Time: 2 Hours]

[Total Marks: 70

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Figures to the right indicate full marks.
- (3) Draw neat and labelled diagrams wherever necessary.

Seat No.:

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Student's Signature

- Q.1. Answer any Two of the following: (18)**
- A. **Write detail notes on:** Properties of water.
 - B. **Explain:** Biological buffer and its significance.
 - C. **Describe:** Law of mass of action.
- Q.2. Answer any Two of the following: (18)**
- A. **Write detail notes on:** HMP shunt.
 - B. **Explain:** Oxidation of fatty acids.
 - C. **Describe:** Classification, properties and significance of Proteins.
- Q.3. Answer any Two of the following: (18)**
- A. **Write detail notes on:** Cells of immune system.
 - B. **Explain:** Physical and chemical characteristic of Heptens.
 - C. **Describe:** Types of Immunity
- Q.4. Answer any Two of the following: (16)**
- A. **Write detail notes on:** Hypersensitivity and its types.
 - B. **Explain:** Mechanism of Auto immunity.
 - C. **Describe:** Structure of Antibody.