

RAN-2303230201020002
PGDMLT (Sem.-I) Examination March - 2026
PGDMLT - Immunology (Paper-1002)
Time: 3 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) Draw diagrams wherever necessary (3) Figures to the right indicates the marks allotted to the questions.	Seat No.: Student's Signature
--	--

- Q.1. Answer in one or two sentences each:(Any Seven): 14**
1. State the full form of ELISA. Mention its types.
 2. Give examples of killed vaccines.
 3. What are cytokines?
 4. What is serum sickness?
 5. Enlist any four properties of Antigen.
 6. Which type of heavy chain is present in IgM and IgE?
 7. What is the use of latex particles in agglutination reactions? Give examples of tests which employs them.
 8. Which organs are affected in SLE? What are its consequences?
- Q.2. Answer the following: (Any two): 14**
1. Write a short note on Active Immunity.
 2. Discuss the Vaccination Schedule of India.
 3. What is the role of skin and mucous membrane in providing external defence against infections?
- Q.3. Answer the following: (Any two): 14**
1. Write a note on Monoclonal Antibodies.
 2. Discuss the structure of Immunoglobulins.
 3. Describe the characteristics and properties of Immunoglobulins.
- Q.4. Answer the following: (Any two): 14**
1. Discuss various types of Immunodiffusion reactions.
 2. Describe the zone phenomenon and stages of Antigen and Antibody reactions.
 3. Write a note on : RIA
- Q.5. Answer the following: (Any two): 14**
1. Write a note on Primary Immunodeficiencies.
 2. Discuss in detail Type II and Type III hypersensitivity reactions and its clinical implications.
 3. Give the classification of autoimmune disease giving at least two suitable example of each group.