


RAN-2603000506026001
T.Y.B.Sc. (Sem. VI) Examination March - 2026
MB-MJ--602 : Microbiology : Immunology
Time: 1 Hour]
[Total Marks: 25

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 of the question. (3) Draw neat and labelled diagrams whenever necessary.	Seat No.: <table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> Student's Signature						

Q. 1 Answer any FIVE in very short. [05]

- A. What is the function of NK cell?
- B. Define Antigen.
- C. Name two hydrolytic enzymes present in eosinophil granules.
- D. State the function of selectins in inflammation.
- E. Name the antibody used to control hemolytic disease of newborn.
- F. Give two examples of congenital immunodeficiencies in humans.

Q. 2 Comment/explain any TWO of the following. [10]

- A. Skin and mucous membranes are important defense barriers that prevent microbial invasion of host.
- B. Discuss primary and secondary lymphoid organs and their role.
- C. Explain T cell receptor structure and T cell activation in brief.

Q. 3 Write short notes/comment on any TWO of the following. [10]

- A. Autoimmunity and autoimmune diseases.
- B. Cooperation between two pattern recognition molecules is important event in phagocytosis.
- C. Immunoglobulins have a basic structure composed of four polypeptide chains.