

School of Basic and Applied Sciences

BioScience
ETE - Jun 2023

Time : 3 Hours

Marks : 50

Sem II - MBAMTT2005 - Immunology

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

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| 1. | Identify types of immunotherapies. | K2 CO4 (2) |
| 2. | Identify the key feature of affinity and avidity. | K1 CO3 (2) |
| 3. | Explain the role of mast cells in Type I Hypersensitivity Reaction. | K2 CO5 (2) |
| 4. | Explain biological functions of complement system. | K1 CO1 (2) |
| 5. | Expand and define ADCC. | K2 CO2 (2) |
| 6. | Identify and explain the primary lymphoid organ responsible for the maturation of T cells. | K3 CO2 (5) |
| 7. | Write a short note on B-cell and T-cell epitopes. | K3 CO1 (5) |
| 8. | Elaborate the immunological mechanism of graft rejection. | K4 CO6 (6) |
| 9. | Classify and explain various types of vaccines based on their mechanism of action. | K4 CO4 (8) |
| 10. | Comment on the noteworthy impact of immunoelectron microscopy and immunofluorescence in detecting and localizing proteins in cells and tissues. | K3 CO3 (8) |
| 11. | Distinguish between hypersensitivity I and II and explain the implications of hypersensitivity. | K3 CO5 (8) |