

Model Question Paper-1 with effect from 2019-20 (CBCS Scheme)

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Fourth semester B.E Degree examination**Immunotechnology****Time:**03 Hours**Max marks:**100**Note:** Answer any **FIVE** Full questions, choosing at least **ONE** question from each **MODULE**

Module-1			*Bloom's Taxonomy level	Marks
Q.01.	a.	Define Acquired immunity and add a note on its characteristics	L1	08
	b.	What are Haptens and adjuvants	L1	06
	c.	Name the Cells of Immune system	L1	06
OR				
Q.02.	a.	Illustrate the typical structure of Antibody and add a note on their functions	L2	08
	b.	Compare Antigenicity and Immunogenicity	L2	06
	c.	What are T cells?	L1	06
Module-2				
Q.03.	a.	Explain the activation of B-Lymphocytes	L2	08
	b.	Identify the role of Cytokines in the immune system	L3	06
	c.	Classify and add a note on Major histocompatibility complex	L4	06
OR				
Q.04.	a.	Illustrate the Production of Monoclonal Antibodies and add a note on their applications	L2	08
	b.	Summarize the importance of Antigen presenting cells	L2	06
	c.	Compare the role of different cytokines in the immune system	L4	06
Module-3				
Q.05.	a.	Justify the role of Complement system through different pathways in forming Membrane attack complex	L5	08
	b.	Choose any two common Autoimmune disorders and explain	L3	06
	c.	Outline the Immune response to bacteria	L2	06
OR				
Q.06.	a.	Explain the types of Hypersensitivity reactions	L2	08
	b.	Identify the role of HIV in causing Secondary immunodeficiency disorder AIDS	L3	06
	c.	List out the importance with a brief note on Vaccines	L4	06

Module-4				
Q.07.	a.	Define and explain transplantation and types	L2	08
	b.	Identify the role of MHC in Allograft rejection	L3	06
	c.	Explain Bone marrow transplantation	L2	06
OR				
Q.08.	a.	List out the advantages and disadvantages of Immunosuppressive therapy with examples	L4	08
	b.	Explain on tumor antigens	L2	06
	c.	Summarize the methods of Tumor Immunotherapy	L2	06
Module-5				
Q.09.	a.	Illustrate the method and variants of ELISA technique with applications	L3	08
	b.	Explain Radioimmuno assay	L2	06
	c.	Compare Precipitation and Agglutination reactions	L4	06
OR				
Q.10.	a.	Illustrate the Western blotting technique with applications	L3	08
	b.	Explain Immunoelectrophoretic technique	L2	06
	c.	Identify the role of Stem cell technology in Immunology	L3	06