21BTH2C5L

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Sl. No.

M.Sc. II Semester Degree Examination Sept./Oct. - 2024 BIOTECHNOLOGY

Immunology and Immunodiagnostics (NEP)

Time: 3 Hours Maximum		[arks : 70	
Note	: (i)	Answer any five of the following questions with Question No.1 (Q.1) compulsory, each question carries equal marks.	
	(ii)	Draw neat diagrams wherever necessary.	
1.	Explai	n in detail on the primary and secondary lymphoid organs of immune system.	14
2.	What :	is humoral immune response ? Explain in detail.	14
3.	Comm	ent in detail on the activation and differentiation of T cells.	14
4.		rate in detail on the mechanism of immune response against bacterial on specifying any two bacteria.	14
5.	Write	in detail on RIA and ELISA. Mention their applications in diagnostics.	14
6.	Write in detail on the B-cell maturation.		14
7.	Explain the role of MHC and TCR in autoimmunity.		14
8.	(a) M (b) P	a short note on the following : Membrane Attack Complex (MAC) Primary immunodeficiencies Cytotoxic T Cells.	5 5 4

