

Faculty Code: 003 Subject Code: 1015009

Tim	e :	$2\frac{1}{2}$	Hours] [Total Marks	: 70
1	(a)	An (1)	1 ,	4
		(2)	of immunity. Enlist various types of Secondary lymphoid organs	
		, ,	Define: Herd Immunity	
		(4)	•	
	(b)	An	aswer in brief : (any one)	2
		(1)	Define acquired immunity and state its various types	
		(2)	Draw a well labelled diagram of a Macrophage and state its role in immunity.	
	(c)	An	swer in detail : (any one)	3
		(1)	Discuss structure and function of various WBCs involved in generation of immune response	
		(2)	Discuss various characteristics of immune system	
	(d)	Wı	rite a Note on : (any one)	5
		, ,	Secondary Organs of immune system	
		(2)	Types of immunity	
2	(a)	An	swer specifically :	4
-	` /	(1)	-	
		(2)	Enlist various Antigen Presenting cells	
		(3)	<u>-</u>	
		(4)	What is the function of Plasma cells `in immune response?	
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	(b)	Ans	swer in brief : (any one)	2
		(1)	Define immune response and explain its types	
		(2)	Draw a well labelled diagram of a Phagocytosis	
			process and state its role in immunity	
	(c)	Ans	swer in detail : (any one)	3
		(1)	Discuss the mechanism of generation of Humoral	
			immune response	
		(2)	Discuss Antigen processing and presentation	
	(d)	Wri	te a Note on : (any one)	5
		(1)	Structure and properties of MHC molecules	
		(2)	Cytokines	
3	(a)	Ans	swer specifically :	4
		(1)	The chemical nature of antibody was deduced	
			by	
		(2)	Enlist various classes of immunoglobulin	
		(3)	Define: Haptens	
		(4)	What is the function of Adjuvant immune response?	
	(b)	Ans	swer in brief: (any one)	2
		(1)	Define Immunogenicity and contrast it with Antigenicity	
		(2)	Draw a well labelled diagram of an Immunoglobulin	
		(2)	molecule	
	(c)	swer in detail : (any one)	3	
		(1)	Discuss the factors affecting immunogenicity of a	
			molecule.	
		(2)	Discuss Immunoglobulin classes	
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	(d)	Wri	te a Note on : (any one)	5
		(1)	Monoclonal antibody	
		(2)	Antibody diversity	
4	(a)	Ans	swer specifically:	4
		(1)	Deficiency or total absence of T lymphocytes or	
			of Thymus is called	
		(2)	Enlist various types of Autoimmunity	
		(3)	Define: Immunodeficiency	
		(4)	What is the function of Mast cell in	
			Hypersensitivity?	
	(b)	Ans	swer in brief : (any one)	2
		(1)	Define Hypersensitivity	
		(2)	Explain: Primary immunodeficiency	
	(c)	Ans	ewer in detail : (any one)	3
		(1)	Discuss Type - II Hypersensitivity	
		(2)	Discuss mechanisms of Graft rejection	
	(d)	Wri	te a Note on : (any one)	5
		(1)	Autoimmune diseases	
		(2)	Immunotherapy of Tumors	
5	(a)	Ans	ewer specifically :	4
		(1)	The ability of an organism to cause disease is	
			called	
		(2)	Enlist various types of microbial virulence factors	
		(3)	Define: Normal flora	
		(4)	What is Infection?	
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(b)	Answer in brief: (any one)				
	(1) What is Gnotobiotic Life?				
	(2) Explain: Importance of Normal flora				
(c)	Answer in detail : (any one)				
	(1) Discuss microbial virulence factors				
	(2) Discuss Process of infection				
(d)	Write a Note on : (any one)				
	(1) Normal flora of a healthy human host				

(2) Natural Resistance