[58/A-15]

ು. of Printed Pages : ${\mathcal Q}$

SARDAR PATEL UNIVERSITY 5th SEMESTER - B.Sc. October - 2018. USO5CMIC04 Immunology Day: Monda

			0/2018 0 a.m. to 1:00 p.m.			Day: Monda Total marks			
Q.1		Select	the correct answer fo	r each que	stion f	rom the options given below.	10		
	1	The c	ells which originates		tiates	and matures in bone marrow	v is		
		(a) (c)	Neutrophiles.		(b)	Eosinophiles.			
	2	· 1 - 7		vasoactive		ators during allergic response.			
		(a)				Neutrophiles.			
		(c)			(d)	None of the these.			
	3		of the following is ar						
٠.		(a)				Lymphokines.			
		(c)							
. 1	4		antigens on	the surface	ce of	cells of human tissue/organs	that		
		plays	important role in graf	t rejection.					
12		(a)	CD.		(b)	Blood group antigen.	· i		
		(c)	MHC.		(d)	None of the these.			
	5	The a	intigenicity of molect	ıles deper	ids on				
52]		(0)	Size.		/I= \	Objectively and a second of the file	•••		
44)		(a) (c)	Degree of foreignes		(d)	Chemical complexity.	.fa		
		(6)	Degree or loreignes	S.	(d)	All of the above.			
::	6	A single immunoglobulin molecules contains							
* - 1	•	(a)							
		(c)	1light chain 2 heavy	chain.	(4) (n)	2light chain,2 heavy chain.	* 1		
	7	(c) 1light chain,2 heavy chain. (d) 2light chain,1 heavy chain. In human serum/plasma which of the following immunoglobulins are found in							
£ ***	•	highest concentration?							
	-	(a)	IgA.		(b)	lgG.			
		(c)	IgM.		(d)	IgE.			
-10	8		sensitivity type-II rea				(1)		
$\chi_{i}^{1}\in I$							1		
		(a)	lgA.	1891)		IgG.			
		(c)	IgM.		(d)	IgE. Who also have epote	÷		
488 3283	9	X-linke	ed aggammaglobulii defect.	mia disea	ase o	ccurs because of deficiency	of		
		(a)	T-cell.	· · · · · · · · · · · · · · · · · ·	(b)	B-cell.			
		(c)	Combined immunodeficiency.		(d)	None of these.			
	10	Which	nich antigen are responsible for auto-immune disease?						
		(a)	Neoantigen.		(b)	Sequestered antigen.			
		(c)	Cross- reacting anti-		(č) (d)	All of the these.			
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Q.2	1 2	Give short answers to the following questions. (Answer any ten) Give examples of primary and secondary immune organs/tissues. Enlist different pathways of complement system along with few example of serum proteins.							
	3	Enlist role of Mast cells in immune response. Define:- Avidity and haptens.	•						
	5	Vhat is cell mediated immunity?							
	6	Write role of interleukin-2 in specific immune response.							
	7	What are Monoclonal antibody?Also write its importance.							
	8	Write few features of antigen-antibody reactions.							
	9	What is lattice hypothesis?							
	10 What is tumour antigen? Give its example.11 What is Serum sickness and to which hypersensitivity reaction it belongs to								
	12	What are immunodeficiency disease? Enlist its type.							
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		Computation of programmers are a second of a section of the second of th							
Q.3		What is phagocytosis?Explain its mechanism in detail.	10						
Q.3	134	What is inflammation? Write about its role. And the second	10						
Q.4		Write in detail about types of T-cells and its activation.	10						
		OR							
Q.4		Write Short note on:	^-						
	(a) (b)	B-cell activation. Cluster of differentiation of Molcules.	05 05						
Q.5		Write Short note on: grade or the state state grade A	10						
	(a)	Clonal selection theory.	07						
	(b)	Immunoglobulin M and its structures.	03						
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Q.5		What is agglutination?Write in detail about its applications.	10						
Q.6		Write Short note on:							
	(a)	Mechanism of Type-I hypersensitivity reaction.	0.5						
	(b)	SLE disease.	0.5						
		Write Short note on:							
Q.6		vviite Short hote on	07						
	(a)	Graft/host reaction. Disorders of phagocytosis.	06 04						
	(b)	Disorders of phagocytosis.	0-						
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