(08 marks)

[139]

. H)

a) Autocrineb) Paracrinec) Redundantd) Pleotrophic

Sardar Patel University M. Sc. (III Semester) Examination (CBCS) Saturday, 1st December, 2012 2.30 to 5.30 p.m. Zoology

Zoology PS03CZOO02 – Immunology

Q.1	Select the correct answer for the	e following:	
A)	C reactive protein is:		
-30	a) Complement protein	b) cytokine	
		d) Growth factor	
B)	Effector function of antibody molecule is dependent on:		
	a) Fc	orecare is dependent on.	
	b) Fab		
	c) CHI domain		
	d) Hinge region		
C)	Which of the following enzyme is essential for somatic hypermutation?		
	a) NADH oxidase	is essential for somatic hypermutation:	
	b) Catalase		
	c) Activation induced cytid	ine deaminage (AID)	
	d) Pepsin	me deammase (AID)	
D)	TLR5 recognize what as target?		
	a) Flagallin	7	
	b) dsRNA		
	c) Virus		
	d) Bacterial DNA		
E)	Which one of the following is not antigen presenting cell?		
11.00	a) B cell	b) Tc- cell	
	c) Dendritic cell	d) Macrophage	
F)	Which of the following is playing major role in transplantation rejection?		
	a) CD8+ cells	b) CD4+ cells	
	c) Immunoglobulins	d) Complement	
G)	Igα/Igβ chains are present in:	o) compenent	
70	a) TCR		
	b) MHC		
	c) BCR		
	d) None of the above		
(H)		ate similar function are said to be:	
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Q.2	Answer any seven from the following:	(14 marks)
a)	What is psoriasin and its role?	
	What is the role of MBL?	
1000	What is ADCC?	
	What is the role of NADPH phagosome oxidase?	
0.00	What is one turn-two turn rule?	
f)	Name the scientist who received Nobel Prize for work on anaphylaxis.	
	What is allelic exclusion?	
	What is the characteristic of chemokine receptors?	
i)	Contact dermatitis is which type of hypersensitivity response? Why?	
Q.3	A. Explain structure and function of thymus.	(06marks)
	B. Write a note on inflammation.	(06marks)
	OR	
	B. Explain how endogenous antigens are processed.	
Q.4	A. Explain classical pathway of complement activation.	(06marks)
	B. Explain how structure of IgG was determined.	(06marks)
	OR	
	B. Explain steps involved in allograft rejection.	
Q.5	A. Explain two organ specific autoimmune diseases.	(06marks)
	B. Explain the steps involved in variable region DNA rearrangement OR	(06marks)
	B. Explain erythroblastosis fetalis.	
Q.6	A. Discuss the cell adhesions molecules involved in leucocyte migration.	(06marks)
-2	B. Explain precipitation reactions. OR	(06marks)
	B. Write on ELISA.	

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