GUJARAT TECHNOLOGICAL UNIVERSITY RE Vth SEMESTED EXAMINATION MAY/HINE 2012

BE- V SEMESTER-EXAMINATION - MAY/JUNE - 2012			
Subject code: 150402 Date: 02/06/2012			2012
Subject Name: Immunology			
	ime: 02:30 pm – 05:00 pm Total Marks		
[nstr	ucti	ons:	
	 Attempt all questions. Make suitable assumptions wherever necessary. 		
3.	Figu	res to the right indicate full marks.	
Q.1	(a) (b)	What is hypersensitivity? Explain in detail Type-I hypersensitivity. Explain hybridoma technology for the production of monoclonal antibody.	07 07
Q.2	(a) (b)	Give an overview on immune system. What is the function of primary and secondary lymphoid organs? Explain the structure of lymph node and spleen with the help of neat diagrams. OR	07 07
	(b)	Make a list of the cells of the immune system. Write short note on lymphoid cells.	07
Q.3	(a)	Define and differentiate immunogenicity and antigenicity. What are the factors that influence immunogenicity?	07
	(b)	Explain the classical pathway for formation of C5b. What is membrane attack complex?	07
		OR	
Q.3	(a)	immunoglobulins.	07
	(b)	What are the functions of complement? Write short notes on complement deficiency.	07
Q.4	(a) (b)	Explain the steps involved in western blot. Give its application. Give an account on recombinant vector vaccine and DNA vaccine.	07 07
		OR	
Q.4	(a) (b)	What is ELISA? Explain its three types. Explain in short about history of vaccination. Differentiate between active and passive immunization.	07 07
Q.5	(a)	Describe in short about rabies.	07
Q.D	(b)	What is transplantation immunology? Explain it in short. OR	07
Q.5	(a)	Explain epidemiology and etiology of malaria.	07
	(b)	Write notes on microbial flora of healthy human host.	07
