Seat No.: Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION - WINTER 2013

Subject Code: 150402 Date: 29-11-201			
Su	bject	Name: Immunology	
Ti	me: 1	0.30 am - 01.00 pm Total Marks: 70	
Ins	tructio		
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
		g	
Q.1	(a)	Discuss in brief the classification of immunity.	07
	(b)	Draw a labeled diagram of any one secondary lymphoid organ and explain its function.	07
Q.2	(a)	With the help of neat diagram explain indirect ELISA.	07
	(b)	What is immunogenicity? What are the factors influencing immunogenicity?	07
		OR	
	(b)	Draw a labeled diagram of Ig. Enlist its different classes.	07
Q.3	(a)	Explain the steps involved in complement activation.	07
	(b)	Explain double-immunodiffusion.	07
		OR	
Q.3	(a)	What are the different functions of complement?	07
	(b)	Draw precipitin curve and explain it.	07
Q.4	(a)	Explain the mechanism of type-I Hypersensitivity.	07
	(b)	Explain active and passive immunization.	07
		OR WHY	
Q.4	(a)	Explain the mechanism of type-III Hypersensitivity.	07
	(b)	Write short note on whole organism vaccine.	07
Q.5	(a)	Explain ELISPOT method for detection of antibody.	07
	(b)	Write short note on malaria.	07
0.5	(-)	OR	07
Q.5	(a) (b)	Give overview of transplantation immunology. Write short note on any one air born transmitted disease.	07 07
	(D)	with short hote on any one an oom transmitted disease.	U/
