(i)	Pri	nted Pages : 2	Roll No				
(ii)	Qu	estions :9 Sub	. Code: 1	7	2	5	8
		Exam	. Code:	0	0	0	3
Tin			24) INOLOGY I-T Introduction nmunotechnology	n to (: 75
Not	te :-	-Attempt TWO ques Section B. Section C is		m S	ectio	on A	A &
		SECTI	ON—A				
I.	(a) Explain the method of separating genomic a					pla	smid
		DNA.					8
	(b)	Write a note on transfo	ormation.				7
II.	(a)	Write the screening	procedure fo	r ye	east	clo	
		vector.					8
	(b)	Describe the function	and mechanism	of li	gase	S.	7
III.	(a)	Write any three applica	ations of gene cl	onin	g.		8
	(b)	Explain PCR in detail.					7
IV.	(a)	Explain the methods of	f clone identifica	tion.			8
	(b)						7
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SECTION—B

V.	(a)	Explain the structure of antibody in detail.						
	(b)	What is meant by active and passive immunity?	7					
VI.	(a)	Explain the mechanism of action of macrophages.	8					
	(b)	Describe radial immunodiffusion.	7					
VII.	(a)	Write a note on Class 1 MHC molecules.						
	(b)	What is rocket immunoelectrophoresis?	7					
VIII	.(a)	Write a note on Cytotoxic T-cell mediated immunity.						
	(b) Explain antibody dependent cell mediated cyto-							
		SECTION—C						
IX.	Cor	Compulsory Question:						
	(a)	What is recombinant DNA technology?						
	(b)	What are Cosmids?						
	(c)	Write the chemical composition of antigen.						
	(d)	Explain cross-reaction.						
	(e)	What are adjuvants?	5×3=15					