0		210	210	210	21	0	210	210	210
	R	egis	tration No :						
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0		210		Ma Tii		OTECH TECH 100 urs			210
	Ans	swer	Question No.1 (F		compulsom Part-	•	/ EIGHT fr	om Part-II and any	/ TWO
0		210	<b>The fi</b>	gures in the rig	ht hand n	nargin i	ndicate m	arks.	210
	Q1	a) b) c) d)	Only Short Answe Differentiate betwee What is humoral im What is ELISA?Writ What do you unders	en Immunogenicity munity? te one of its applic stand by the term	y and Antig	jenecity.	d clonal exp	ansion?	(2 x 10)
0		e) f) g) h) i) j)	What is immunolog What do you mean What are memory of What is MAC? What is passive immunity which of the immunolog that is passive immunolog that is immunolog that is immunolog to the immunolog that is immunolog that immunolog that is immunolog that is immunolog that immunolog t	by immediate hyp ells and how do tl munity? Give exar noglobulin subtyp	ney particip	oate in in aturally a	nmune respondence of the contract of the contr	sive immunity?	210
0	Q2	210 a) b) c) d) e)	Explain the different types of Ig. Add notes for their structure and functions.  With labled diagram explain how light chain gene synthesis takes place?.  Explain the T cell subtypes and their function.  Explain the classical pathway of complement activaton?.  What is cell mediated immunity? How does it defend the body against the invading pathogens and foreign cells?						(6 x 8) <sup>210</sup>
0		f) g) h) i) j) k) l)	Briefly describe the Describe the structu What is antigen? Ci Give detail account How does affinity of Write a brief accour What are histocom survival?	are of antibody wit te the factors that of various cells in an antibody diffe tof the various ty	th Diagram contribute volved in i r from its a rpes of vac	to antigo immune vidity? cine curr	system? ently availa		210
0		210	210 Only Long Answer			Any Tw		210 <b>ur)</b>	210
	Q3		Write in detail on th						(16)
	Q4 What are monoclonal antibodies? Discuss the principle utilized and the method followed in preparation of monoclonal antibody?								(16)
0	Q5	210	Citing appropriate disorder? 210	examples, explaii	n the caus	-	generation 210	of an autoimmune	<b>(16)</b> 210
	Q6		What do you mean modulated in human		of the imr	mune sy	stem? How	the dysfunction is	(16)