Q.P. Code:10732

				[Time: 2 ¹ / ₂ Hours]	[Marks:60]
				Please check whether you have got the right question paper.	
		N.B:	1.	All questions are compulsory	
			2.	All questions carry equal marks	
			3.	Draw neat labelled diagram whenever necessary.	
Q. 1	Ansv	wer the follo	wing	(Any Two)	
	1) Diagrammatically explain mechanism of Grave's disease				
	-	-		help of suitable example deficiencies of immunoglobulin classes.	
		-		ficiencies in neutrophils can be congenital or acquired – Justify	
	-			help of suitable experiment how T cells play a key role in allograft rejection.	2 Dy Viz
Q. 2 a	ı) Elab	orate on the	strat	egy use for inducible gene deletion in select tissues of transgenic mice	08
	١				
t) Desc	cribe in deta	il the	production of Transgenic mice	08
ķ) Justi	fy inbred st	rains c	can reduce experimental variation	04
C	ן) How	[,] Humanized	l antib	podies are synthesized?	04
Q. 3	Do as directed (ANY TWO)				12
	Explain any Two methods of cell cycle analysis				
	2)	Elaborate o	n invi	itro cell imaging Techniques	
	3)			proaches used in imaging live cells tissues	
	4)	Write a no	te on t	use of microarray for diagnosis of human diseases.	
Q. 4	Answer any 2 of the following				12
	•			e of cytokines in connecting immune system and brain.	
		ZX XX	1.6	an example explain the impact of stress on immunity	
				ents can modulate immunity – Justify	
	4)	Write the	function	onal significance of inflammation and phase response.	
Q. 5	Write short notes on (Any 3)				12
37.5	LU NY	A V ANY BY	7/4) (le immunodeficiency	
	OYOV	Myastheni		VIS COOK	
	OYON	Phage disp			
	4)	Two photo	CONAV		
S. V.	V th	7.017	1 1/2 / 1	r Technology	
	6)	Energy de	mand	& Balance in PNI	