Q.P. Code :05305

		[Time: 2½ Hours]	[Marks: 60]
		Please check whether you have got the right question paper.	
	N.B:	1. All questions are compulsory.	
		2. Figures to the right indicate full marks.	25 2 5 5 5 5 5 6 6 5 5 5 6 6 5 5 6 6 5 6 6 5 6
		3. Draw neat labelled diagram wherever necessary.	
Q. 1	Describe brie	efly: (any two)	
	a) Liposome mediated gene transfer		7 7 7 7 0 06
	b) Southern blotting		06
	c) Retr	ovirus as cloning vector	06
	d) Expr	ession vectors	06
Q. 2	Elaborate on: (any two)		
		erologous protein production in filamentous fungi	06
	b) Cultured Insect cells expression system		06
		sformation –in filamentous fungi	06
	d) Gen	eral features of eukaryotic gene expression system	06
Q. 3	Give an account: (any two)		
	a) Scope and goals of Human Genome Project		06
	b) Restriction Fragment Length Polymorphism and its uses		06
	c) Positional cloning and its limitations		06
		omosome walking	06
Q. 4	Explain in br	ief (any two)	
		elopment of policy for human gene therapy	06
		ulation of environmental release of genetically engineered organisms	06
	· ~~ ~~	latory requirement of using genetically engineered chymosin	06
		nting biotechnology Inventions	06
Q. 5	Write short i	note (any four)	
The state of the s		oplast fusion	03
STA	V	tern blotting	03
	c) Hum	ian Papova BK virus as shuttle vector	03
		oduction of DNA Into yeast	03
	_ Y	ping human diseases	03
		etic linkage maps	03
1 PAG	g) Paris	convention	03
3000	h) Pate	nting and fundamental research	03