QP Code: 76157

[Total Marks: 75

		•											
N.B. :		(1) All questions are compulsory.											
		· · · .	estions ca	-									
		(3) Use of	simple c	alculat	or is p	ermitte	ed.						
			170		1 1		*7	1 × .	C	.1			
l.	(a)	Calculate Ka	es from	the giver	n 7								
		data:		,		,		, 		Ī			
		X	12	9	8	10	11	13	7				
		Y	13	8	6	9	11	12	2.				
	(b) With suitable example explain Null and Alternate hypothesis setting,												
will be its Type I and Type II errors.									0313 300	ung, wiia	t 8		
		Will be its i	.ypo r um	r rype.	OR	.							
1.	(a)												
		What is sampling? Explain how sample size is decided for quantitative and											
	qualitative data.												
	(c)	Write a note on Null hypothesis.											
	. ,	Elaborate on computer based patient record.									7		
	(b) Write a note on statistical software's with the help of suitable e								example.	8			
					OR		'				7		
		Explain algorithm and its importance.											
	(b)	o) Give the brief account of basic C programming.											
2	(-)	Taranlain Lai			+:f1	نممامنا	1 dos	دملت سند.			_		
											7 s 8		
	(0)	Describe the methods and tools for identification of proteins from its sequence.											
		sequence.			OR	÷							
3.	. (a) Discuss the databases and tools used for Multiple Sequence Alignmen												
	. ,	Elaborate on global and local sequence alignment.											
	·),		Č		1		_				8		
4.	(a)	Describe ty	pes of Mi	icroarra	ys and	give th	eir adv	antage	s and li	imitations	s. 8		
,	(b)	Elaborate o	n the tecl	miques	used fo	or ident	tificati	on of p	roteins	•	7		
					OR								

(2½ Hours)

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4.	(a) V	(a) With respect to microarray data analysis explain the following:					
	(1) Grouping of expression data; (2) Clustering method.					
	(b) V	What are the consensus sequences and sequence logos? Explain their role	7				
	iı	n human genome analysis.					
5.	Wri	Write short note on any three of the following:					
	(a)	Chi Square test					
	(b)	Spread sheets					
	(c)	Friedman test					
	(d)	Gateways to assess human genome					
	(e)	Exon intron finder					