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	A Sugar	[]										1	R4A19001	010
F	Registration No:													
Total	Number of Pages : 1		. ~	_						• • •				B.TECH
	Time : 3 Hours	4"	¹ Semeste BBTP((Re	C4010	– MO	LECU		BIO	LO			timum :	100 Mark	s
							uestion							
	The figures in the right hand margin indicate marks. PART – A: (Multiple Choice Questions) 10 x 2=20 Mark													
Q.1. a.	Answer <u>All</u> Quest Define Cistron.	ions.												[CO1] [PO1]
и. b.	Significance of self	fish DNA.												[CO1] [PO1]
c.	Name the enzymes associated in DNA replication.												[CO2] [PO1]	
d.	Mention the DNA repair methods.												[CO2] [PO1]	
e.	Mention the transc	•												[CO3] [PO1]
f.	Name the machine			ranscri	ption	proces	ss.							[CO3] [PO1]
g.	What do you mean		?											[CO4] [PO1]
h.	Nonsense genetic c													[CO4] [PO1]
i.	Define central dog	ma.												[CO1] [PO1]
j.	Lac operon	DAD	T – B: (S	Short	Ancur	or Ou	octions	103	ζ η_ γ) Л М	orke			[CO4] [PO1]
Q.2	. Answer <u>ALL</u> que		$\mathbf{I} = \mathbf{D}$. (a	51101 t 7	A115 W	ei Qui	estions) 10 A	14-4	20 101	ains			
a.	C-value paradox													[CO1] [PO1]
b.	Mitochondrial ger	nome												[CO1] [PO1]
с.	Post transcription		ina											[CO1] [101] [CO2] [PO1]
	-	ai process	mg											
d.	m-RNA editing													[CO2] [PO1]
e.	Holliday junction													[CO3] [PO1]
f.	DNA methylation													[CO3] [PO1]
g.	Restriction Enzyr	nes												[CO4] [PO1]
h.	Pseudo genes													[CO1] [PO1]
i.	m-RNA stability													[CO3] [PO1]
j.	t-RNA					_								[CO4] [PO1]
Q.3		PAR	T − C : (Long	Answ	er Qu	estions	s) 15x	×4=6	50 Ma	arks			
a.	Define genome. Diff	ferentiate	between	nuclea	r and	organe	elle ger	nome.					[6]	[CO1][PO1]
b.	What do you mean by					•	•						[9]	[CO1][PO1]
c.	DNA is the genetic n												[7]	[CO1][PO1]
d.	Write about the difference of	rent varia	nt of gen	es and	add a	note o	on their	signi	ifica	nce.			[8]	[CO1][PO1]
Q.4 a.	Discuss about the DN	VA replica	tion in d	etail									[5]	[CO2][PO1]
b.	Write about the signi				mes of OR	f DNA	replic	ation.					[10]	[CO2][PO1]
c.	What do you mean by	y DNA re	combinat	tion? I		s in de	etail.						[7]	[CO2][PO1]
d.	Write in detail the D	NA repair	mechani	sm.									[8]	[CO2][PO1]
Q.5														
a.	Write in detail about												[7]	[CO3][PO1]
b.	What do you mean by	y m-RNA	processi	ng? Di	iscuss OR	about	the pre	e- trai	nslat	tional	proc	essing.	[8]	[CO3][PO1]
c.	Write in detail about				ryotes								[7]	[CO3][PO1]
d.	Discuss about the m-	RNA edit	ing in de	tail.									[8]	[CO3][PO1]
Q.6	N					_	-			c			.	
a. h	Discuss the discovery						it the p	roper	ties	of ge	netic	code.	[9]	[CO4][PO1]
b.	Write the application	is of recon	ioinant L	JINA te	ochnol OR	ogy.							[6]	[CO4][PO1]
с.	What do you mean by	v tranclati	on? Disc	use the		ase in a	detail						[6]	[CO4 [PO1]
d.	Write an essay on reg					-55 III (actu11.						[9]	[CO4 [PO1]
			0 0/	r	•								[2]	

