UBS--48919(Re)

200

UBS-48919(Re)

(Contd.)

(vi)	The following part of cell is called as protein		2.	2. Explain chemical composition and Double helical mo	
	factory:	1/2		of DNA.	12
	(a) Mitochondria	:		OR	
•	(b) Nucleus			Describe:	
	(c) Vacuoles	,		(a) Satellite and Repetitive DNA.	6
(vii)	(d) Ribosome			(b) Nucleosome and Solenoid model.	6
	The Ac/Ds system in maize was discovered by: 1/2		3.	Explain the following:	
	by:	72	٠.	(a) Central dogma of protein synthesis.	4
	(a) Barbara McClintock (b) Watson and Crick				4
	(b) Watson and Crick (c) Griffith (d) Hargovind Khorana			(b) t-RNA.	4
		Į.		(c) Fine structure of gene.	4
(viii)	The thermolabile enzyme used in PCR is:		:	OR	
	The memoratine enzyme assa,n	1/2		(p) Transcription in eukaryotes	4
	(a) RNA polymerase			(q) Characteristics of genetic code (any two).	4
	(b) DNA polymerase III	I		(r) Endomembrane system.	4
	(c) Taq polymerase		4.	Explain in detail 'Operon concept' with special ref	
	(d) DNA ligase.	•		to Lac-operon.	12
(C) Ans	swer in ONE sentence:			OR	
(ix) What is anther culture?		1		Describe primary, secondary, tertiary and quat structures of protein.	ernary
(x)	What is cistron?	1	5.	Explain:	
• • •	What is Totipotency?	. 1		(a) Plasmid as a vector.	4
	What is the full form of PCR?	1		(a) i mating as a rectol.	
UBS-48919(Re)	2	(Contd.)	UBS	S—48919(Re) 3 (	Contd.)