Reg	g No.	Name:	_
		APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY	
		FOURTH SEMESTER B.TECH DEGREE EXAMINATION(R&S), MAY 2019	
		Course Code: FT206	
		Course Name: FOOD BIOTECHNOLOGY (FT)	
Ma	x. M	Tarks: 100 Duration: 3 PART A	Hours
		Answer any three full questions, each question carries 10 marks.	Mark
1		Write an essay on prokaryotic DNA replication.	(10)
2		How does translation occur in prokaryotes?	(10)
3	a)	Summarize the process of recombinant DNA technology.	(5)
	b)	Write about restriction endonucleases.	(5)
4		Explain the gene regulation by Trp operon with relevant figures wherever	(10)
		applicable.	
		PART B	
5		Answer any three full questions, each question carries 10 marks. What are bio preservatives? Explain in detail with one example.	(10)
6	a)	What is Tempeh? How is it produced?	(10)
U	b)	What is the importance of food fermentations in nutritional enhancement?	(5)
7	-,	Elaborate on the commercial production process of Citric Acid.	(10)
8	a)	With the help of a neat flow chart give details of edible mushroom production.	(5)
	b)	What are the components required for beer fermentation?	(5)
	,	PART C	~ /
9	a)	Answer any four full questions, each question carries 10 marks. Why is it required to label and trace genetically modified foods?	(5)
,	a) b)	How is golden rice developed?	(5)
10	0)	What are functional foods? Give details with suitable examples.	(10)
10	a)	What is IBSC? Why is it required?	(10)
11	a)	Discuss the ethical issues concerning genetically modified foods on human	
	b)		(5)
10		health and the environment.	(10)
12		How do endogenous enzymes affect the colour, texture of food?	(10)
13		Give details on immobilized enzymes in food processing.	(10)
14		What are the enzymes used in Meat and Baking Industry? Explain with	(10)
		examples.	