

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech Mid Semester Exam

Semester: 6th
 Subject Code: (203144355)
 Subject Name: Food Biotechnology

Date: (31/01/2024)
 Time: (1hr 30min)
 Total Marks: 40

Sr. No.		Marks
Q.1	(A) One-line Questions.	05
	(a) What is fermentation?	
	(b) Define single cell protein	
	(c) What is a starter culture?	
	(d) Define CFU.	
	(e) What is spoilage of food?	
	(B) Fill in the blanks	05
	(a) The organisms which grow at a temperature between 25 & 40°C are known as -----	
	(b) DEFT stands for -----	
	(c) -----bacteria is used in the fermentation of idly.	
	(d) ----- dye is used in DEFT.	
	(e) ----- dye is used as indicator in dye test.	
Q.2	Attempt any four(Short Questions)	12
	(1) Enlist the factors associated with spoilage of food.	
	(2) What are the advantages & disadvantages of SCP?	
	(3) Mention the steps associated with cheese production.	
	(4) What are the factors responsible for plate count?	
	(5) What are flavor enhancers?	
Q.3	Attempt any two questions	08
	(1) Explain food borne diseases.	
	(2) Mention the role of flavour enhancer in the food industry.	
	(3) Explain the methods used in Rapid detection of microbes.	
Q.4	(1) Enlist the steps involved in manufacturing of bread.	05
	(2) Explain the manufacturing of yoghurt.	05
	OR	
	3) With a neat diagram explain spread plate & pour plate method.	05