

25.02.23

Q. No. BTO - 4410093

ND/B.Tech./Even

Reg/2022-23

2022-23

**FOOD BIOTECHNOLOGY**

**BTO - 441**

Full Marks : 25

Time : Ninety Minutes

*The figures in the margin indicate full marks.*

*Answer all the questions.*

Graph paper shall be supplied, if required.

1. Why is yoghurt more nutritive than milk? 5 [CO2]
2. What are the health benefits of curcumin? 4 [CO4]
3. What are the functions of the following enzymes and in which food application it is applied?  
(a) Rennt (b) Glucose oxidase (c) Papain (d) Pectinase  
(d) esterase 5 [CO1]
4. Define the following terms : (a) Nutraceutical (b) Synbiotics  
(c) Chemoprevention 3 [CO4]
5. Name the microorganism involved in beer fermentation and explain how the metabolism of the microbe is contributing towards fermentation? 1+3 [CO1, CO2]
6. How do phytonutrients help in the prevention of cancer? 4 [CO4]

---

P.T.O.



( 2 )

**Course Outcomes :**

- CO1 : Q3; Q5
- CO2 : Q1; Q5
- CO4 : Q2; Q4; Q6