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GIET UNIVERSITY, GUNUPUR – 765022
M. Tech (Second Semester Examinations) – October' 2021
MPEBT2042 – FOOD BIOTECHNOLOGY
 (Biotechnology)

Time: 2 hrs

Maximum: 50 Marks

(The figures in the right hand margin indicate marks)

PART – AQ.1. Answer **ALL** questions

(2 x 10 = 20)

- Define prebiotic and probiotic foods?
- What is vitamin? Give examples.
- What is food additives and food colour?
- What is food processing?
- Write two applications of enzymes?
- What is the importance of yeast in food process?
- What is food born infection and food intoxication?
- Name two preservatives used in food preservation?
- Differentiate between food preservative and food additives?
- Define irradiation?

PART – B**(6 x 5 = 30 Marks)**Answer **ANY FIVE** questions

Marks

- Why fermented foods are so popular? Classify the fermented foods. Outline the biotechnological process for production of a fermented food from cereal and a milk beverage? (6)
- Write a notes on: (6)
 - oriental foods
 - alcoholic beverages
- Discuss in detail about the role of protease in cheese making? (6)
- Write short notes on the role of enzymes in beverage production and bakery products. (6)
- Write short notes on: (6)
 - canning process
 - microbiology of milk
- Discuss in detail about food spoilage and control of food spoilage? (6)
- Discuss about the microbiology of cereal and cereal products? (6)

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