

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2024

B.Tech-I Semester (CSE/IT/ECE/CE)

COURSE CODE(CREDITS):18B11BT612(3)

MAX. MARKS: 15

COURSE NAME: Food & Agricultural Biotechnology

COURSE INSTRUCTORS: Dr. Uday & Dr. Garlapati

MAX. TIME: 1 Hour

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*Note: (a) All questions are compulsory.*

*(b) Marks are indicated against each question in square brackets.*

*(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems*

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1. What is food preservation? Mention the objectives of food preservation and explain the importance of barrier concept. [3 Marks] (CO1)
2. Justify soluble fibres as an important component of food? Explain with pectin as an example. [3 Marks] (CO1)
3. Which Vitamin is necessary for collagen biosynthesis? Name the plant and animal source of Vitamin A and Vitamin D? [4 Marks] (CO1)
4. How do "MUFAs" differ from "PUFAs"? Name any two oils each those are rich in "MUFAs" and "PUFAs" ? What are the health benefits associated with the PUFAs ? (2.5 M) (CO1)
5. Differentiate "Kimchi" with "Miso"? How does controlled fermentation differ from natural fermentation give two examples for each process? (2.5 M) (CO2)