

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATIONS- 2026

B.Tech-VI Semester (BT)

COURSE CODE (CREDITS):18B11BT612 (03)

MAX MARKS: 35

COURSE NAME: Food and Agricultural Biotechnology

COURSE INSTRUCTOR: Dr. Garlapati Vijay Kumar

MAX. TIME: 2 Hours

*Note: (a) All questions are compulsory.**(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems*

Q.No	Question	CO	Marks
Q1	What you understand by the term "Food preservation" and illustrate the advantages associated with the process? Explain the food preservation approaches through "Canning" and "anaerobic conditions creation" approaches?	I & II	6
Q2	Illustrate the features and benefits associated with the "HACCP" Concept used in food industries? Explain briefly about the seven principles associated with the "HACCP" concept?	III	6
Q3	Summarize the advantages and disadvantages associated with the "carrier-based" and "Liquid-based" biofertilizers? Quote the different reasons for the poor acceptability of biofertilizers by farmers?	IV	6
Q4	Explain in detail about the processes of "Protoplast Fusion" and "Antisense technology" associated with the plant transgenesis?	V	6
Q5	Elaborate the "Extrinsic" and "Intrinsic" objections related to the ethical arguments against GM food? Give a note on "Issue of labeling" and "Opposition to labeling" associated with the GM foods?	V	6
Q6	Write about the following one's (a) Biofertilizers covered under FCO (2 M) (b) Features associated with the Agricultural products "Golden Rice", "Edible vaccines" and "Flavr Savr Tomato" (3M)	IV	5

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