

**2006 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**

IV B.TECH II SEMESTER SUPPLEMENTARY EXAMINATIONS

**FOOD SC IENCE TECHNOLOGY**  
(BIO-TECHNOLOGY)

APRIL / MAY 2006

TIME: 3 HOUR  
MARK: 80

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ANSWER ANY FIVE QUESTIONS ALL QUESTIONS CARRY EQUAL MARKS

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1. Discuss the importance of Biotechnology in modern food industries?
2. Comment on various intrinsic and extrinsic factors of foods which can influence microbial growth? [
3. Briefly explain general microbial profile and preservation of harvested vegetables? [
4. Discuss the enzymatic and chemical changes during freezing and storage?
5. Discuss the importance of raw material and the production of beer?
6. Write about food industries' quality criteria and control measures?
7. Discuss various artificial and natural sweeteners and their importance
8. Explain in detail the Botulism and its causative organism?