

Code No: C9105**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****M.Tech I Semester Examinations March/April-2011****FOOD PROCESSING TECHNOLOGY****(HEATING VENTILATION & AIR CONDITIONING)****Time: 3hours****Max.Marks:60**

Answer any five questions
All questions carry equal marks

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1. What is the impact of biotechnology on fruit and vegetable processing? Explain briefly the commercial freezing methods used in vegetable processing. [6+6]
2. Discuss in detail the fish processing technology. [12]
3. Comment on the following:
 - a. Changes in food properties during freezing.
 - b. Factors influencing the food freezing rates.
 - c. Effects of freezing on food quality. [4+4+4]
4. Explain in detail the manufacturing process of fruit juice concentrates. [12]
5. Write short notes on
 - a. LTHT Pasteurization.
 - b. UTH treatment.
 - c. HTST Pasteurization. [3+6+3]
6. Refrigerated trucks and rail road cars have had a great impact on the economy and eating habits - Substantiate the statement. [12]
7. How the refrigerated warehouse facilities operate. What are the challenges in the refrigerated ware house industry? [8+4]
8. Discuss the following:
 - a. Curing of meat.
 - b. Artificial tenderization.
 - c. Immersion freezing.
 - d. Thawing. [3+3+3+3]
