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Roll No. ....

**CC-806**

**M. Tech. EXAMINATION, Dec. 2018**

(Third Semester)

(B. Scheme) (Main & Re-appear)

FOOD TECHNOLOGY

FT625

Waste Management in Food Industry

*Time : 3 Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(2-41/20) M-CC-806

**P.T.O.**

### **Unit I**

1. Discuss the type of waste generating from fruit and vegetable processing industry and meat and poultry industry. **15**
2. Explain the important disposal methods for liquid and gaseous wastes from food industry. **15**

### **Unit II**

3. How can the following value added products be produced from wastes : **15**
  - (a) Antioxidants
  - (b) Lycopene.
4. What are single cell proteins ? Discuss their applications and production strategies. **15**

### **Unit III**

5. Explain the physical, chemical and biological characteristics of waste water and their significance. **15**

6. Discuss in detail the aerobic and anaerobic biological unit operations commonly used in food industry. **15**

### **Unit IV**

7. Enumerate the important legislations related to waste management in India. **15**
8. Enumerate the various standards for emission or discharge of environmental pollutants from food processing industries covered under PFA Act. **15**