

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Food Tech.) (2014 Onwards) (Sem.-7)
WASTE MANAGEMENT OF FOOD INDUSTRY
Subject Code : BTFT-704
M.Code : 74751

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A**1. Answer briefly :**

- a) What is Waste Management?
- b) What is the principle of screening?
- c) Define biological oxygen demand.
- d) What are by-products?
- e) Enlist the primary treatments.
- f) What do you understand by coagulations?
- g) Enlist the four by-products from fruits and vegetables.
- h) Define incineration.
- i) What do you mean by biological oxidation?
- j) What is disinfection?

SECTION-B

2. What do you understand by activated sludge process? Explain the effect on characteristics parameters of effluents by using trickling filters.
3. What is chemical oxygen demand? Explain the standards for emission of environmental pollutants from food processing industries.
4. Define waste minimization? Discuss the various methods to dispose the solid waste.
5. What do you mean by aeration devices? Discuss the objectives as well as organisms for the biological oxidations techniques.
6. Write short note on the by-products produced from fish and poultry processing industries.

SECTION-C

7. What is sedimentation? Explain the primary treatments for treating the food industry effluents.
8. What do you understand by rotating biological contractors? Discuss the working and their advanced modifications.
9. Define composting. Describe the different chemical methods used in waste water treatment.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.