

No. of Printed Pages : 03

Roll No.

G-150

B. Tech. EXAMINATION, Dec. 2018

(Seventh Semester)

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

(CE)

CE463B

INDUSTRIAL WASTE MANAGEMENT

Time : 3 Hours]

[Maximum Marks : 75

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.

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

(2-15/5) M-G-150

P.T.O.

Unit I

1. Write the significance of (a) BOD (b) COD (c) Turbidity (d) Hardness (e) Nitrogen. **15**
2. Discuss (a) Population Equivalent (b) House-keeping (c) Material change in process. **15**

Unit II

3. What are aerobic and anaerobic biological treatments of waste ? **15**
4. Explain Ion-exchange process. **15**

Unit III

5. Write the manufacturing process of : **15**
 - (a) Pulp and paper
 - (b) Tanneries.
6. Explain the flow chart of : **15**
 - (a) Chemical Industries
 - (b) Sugar Industries.

Unit IV

7. Write the manufacturing process of : **15**
 - (a) Dairy Industry
 - (b) Nuclear Plant.
8. Explain the flow chart of : **15**
 - (a) Fertilizers
 - (b) Dairy Industry.