

No. of Printed Pages : 03

Roll No.

H-83

B. Tech. EXAMINATION, May 2017

(Eighth Semester)

(Electives) (Main & Re-appear)

(CHE)

CHE-451-B

ENVIRONMENTAL POLLUTION CONTROL

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.

(3-43/5) M-H-83

P.T.O.

Unit I

1. "Increasing Industrialisation is increasing the environmental distribution." Write a detailed note by giving suitable examples. **15**
2. Write notes on the following : **8+7=15**
 - (a) Public awareness and action plan for environmental pollution control
 - (b) Global Warming.

Unit II

3. Give in detail the types, sources and their effects on plants and human health. **15**
4. With the help of a neat sketch. Explain the working of Electrostatic Precipitator. Also give its Industrial applications. **15**

Unit III

5. Briefly discuss the following : **3×5=15**
 - (a) BOD and BOD Curve
 - (b) Sedimentation

M-H-83

2

- (c) Adsorption
- (d) Sources of water Pollutants
- (e) Microfiltration.

6. Explain with the help of diagram, Activated sludge process and different methods of aeration used in Activated sludge process. **15**

Unit IV

7. Discuss the different methods used for solid waste disposal. **15**
8. Discuss the Pollution monitoring, control and treatment methods for paper and pulp industry. **15**

(3-43/6) M-H-83

3

100