

No. of Printed Pages : 03

Roll No.

755

B. Tech. EXAMINATION, Dec. 2017

(Seventh Semester)

(Old Scheme) (Re-appear Only)

(BT)

CH-453

POLLUTION AND CONTROL

Time : 3 Hours]

[Maximum Marks : 100

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 any *Five* questions. All questions carry equal marks. Assume, if any missing data.

(3-15/3) M-755

P.T.O.

1. (a) Give a list of effluent standards for waste water. What are permissible limits of wastewater for disposal on the land ? **10**
- (b) Explain and draw flow chart for secondary treatment of wastewater. **10**
2. (a) Discuss the purpose of providing aerated lagoons. **10**
- (b) What are rotating biological reactors ? Explain it's working also. **10**
3. (a) Classify the various types of and source of air pollution. **10**
- (b) What is meant by smog ? Discuss its causes and effects. **10**
4. (a) Explain the source and control measures of carbon monoxide. **10**
- (b) Distinguish between point source, line source and area source. **10**

5. (a) Write the steps involve in solid waste management. **10**
- (b) What types of treatment is required for nuclear pollution ? **10**
6. (a) Which types of technique is adopted for ultimate disposal of solid waste ? **10**
- (b) Define noise and explain as to how and why it should be regarded as an environmental pollution ? **10**
7. (a) Write the methods to control gaseous pollutants in Industries. **10**
- (b) Explain 3 Rs for solid waste management. **10**
8. Write short notes on the following : **20**
- (a) Aerated lagoons
- (b) Self purification of air pollutants
- (c) Metal pollution
- (d) Noise rating system.