

No. of Printed Pages : 03

Roll No.

755

B. Tech. EXAMINATION, May 2017

(Seventh Semester)

(Old Scheme) (Re-appear Only)

(BT)

CH-453

POLLUTION & 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.

(2-34) M-755

P.T.O.

1. (a) Enlist the characteristics of wastewater. **10**
 (b) Draw a flow chart for AST. **10**
2. (a) Discuss the working of roughing filters. **10**
 (b) Differentiate between Aerobic and Anaerobic treatment. **10**
3. (a) Explain and explain primary and secondary air pollution. **10**
 (b) Explain in brief various cause of air pollution. **10**
4. (a) Write the sources and effects on human health of nitrogen. **10**
 (b) What are sources and control measures of Oxides of sulphur ? **10**
5. (a) Classify the solid waste and write their properties also. **10**
 (b) How metal pollution effects environment and human health ? **10**

6. (a) Define noise and explain as to how and why it should be regarded as an environmental pollution. **10**
 (b) Write a short note on energy recovery from waste. **10**
7. (a) Explain the working of UASB. **10**
 (b) List out the meteorological factors influencing air pollution. **10**
8. Write short notes on the following :
 (i) Effluent Standards
 (ii) Self Purification of air pollutant
 (iii) Noise pollution-Causes and effects.
 (iv) 3 Rs. of solid waste management. **20**