

B. Tech. 5th Semester (Fire Tech & Safety) F

Examination, December-2017

ENVIRONMENTAL ENGINEERING A

MANAGEMENT

Paper-FT-307-F

Time allowed : 3 hours]

[Maximum marks : 100]

Note : Attempt any five questions in total, one question must be attempted from each section. Question 1 is compulsory.

1. (a) What are the effects of air pollution on human health?
thing?
- (b) What are the chemical characteristics of acid rain?
water?
- (c) What do you mean by Hazardous waste?
- (d) What is clean development mechanism?

Section-A

2. What are the source of air pollution' its effects on environment?
will you classify the pollutant ?
3. Explain the following term :
 - (a) Gaussian Plume Dispersion Model
 - (b) Biological Method for Voc and odour.

Section-B

4. Explain the biological unit processes in the water.
5. Explain the working principle and application of anaerobic filter.

Section-C

6. What do you mean by Hazardous waste with definition and classification? What are the effects of this waste on health and environment?
7. Explain the following term :
 - (a) Collection and transportation of urban solid waste
 - (b) Anaerobic Digestion.

Section-D

8. Write the short note on following :
 - (a) Concept of Industrial ecology
 - (b) Life cycle assessment.
9. Explain the principle and requirement of ISO 14001 EMS.