

G 1052

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2014**Eighth Semester**

Branch : Civil Engineering



CE 010 805 G02 – ENVIRONMENTAL POLLUTION CONTROL TECHNIQUES (Elective IV) [CE]

(New Scheme–2010 Admissions)

[Regular]

Time : Three Hours

Maximum : 100 Marks

Part A*Answer all questions.**Each question carries 3 marks.*

1. Define Air Pollution. List out the sources of Air pollutants.
2. Which are the measures to be taken to control water pollution?
3. What are the objectives of pretreatment of Industrial waste water?
4. Discuss about the 3R concept in solid waste management.
5. Which are the main sources of noise pollution?

(5 × 3 = 15 marks)

Part B*Answer all questions.**Each question carries 5 marks.*

6. Classify the air pollutants and give *two* examples in each type.
7. Explain the main objectives of waste water analysis.
8. Differentiate the terms waste volume reduction and waste strength reduction.
9. Explain in detail about the collection and transport of Municipal solid waste.
10. Write a short note on various effects of noise pollution.

(5 × 5 = 25 marks)

Part C*Answer all questions.**Each question carries 12 marks.*

11. Enumerate the various control devices for particulate contaminants and explain any *one* of them with its merits and demerits.

Or

Turn over

12. Suggest suitable methods to minimize exhaust emissions in Vehicles.
13. With a flow diagram, explain the term activated sludge process. Mention its advantages and disadvantages.

Or

14. With a neat sketch, explain the working of a trickling filter.
15. What do you mean by lagooning? Explain the significance of lagooning in industrial waste treatment.

Or

16. Which are the various methods employed for the waste volume reduction? Mention its advantages.
17. What is composting? List out the various types and explain any *one* of them in detail.

Or

18. Write a short note on incineration method of solid waste disposal with its merits and demerits.
19. Differentiate the terms Sound and Noise. Discuss the methods used to control noise.

Or

20. Discuss the salient features of Environmental Protection Act.

(5 × 12 = 60 marks)

