

**C 56409**

Name.....

Reg. No.....

**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION  
JUNE 2009**

**CE 04 703—ENVIRONMENTAL ENGINEERING—I**

(2004 admissions)

Time : Three Hours

Maximum : 100 Marks

*Answer all questions.*

**Part A**

1. Describe the measurement and control of evaporation.
2. Write short notes on "Infiltration process".
3. What is the importance of public water supply schemes in the present day life ?
4. Write short notes on "drinking water standards".
5. What are the merits and demerits of disinfection of public water supply ?
6. Describe the terms "fluoridation" and "defluoridation".
7. Explain the methods of corrosion control in pipes.
8. Explain pressure relief valve with neat sketch.

(8 × 5 = 40 marks)

**Part B**

9. With neat sketch explain any three types of intake structure.

*Or*

10. Explain the construction and maintenance of tube wells.

(15 marks)

11. Explain the important and necessity of community water supply schemes.

*Or*

12. Explain any two water harvesting methods.

(15 marks)

13. With neat sketch, explain the working principle of rapid gravity filter.

*Or*

14. Write short notes on :

(a) Aeration.

(8 marks)

(b) Coagulation.

(7 marks)

15. Briefly explain the methods of transmission of water.

*Or*

16. List the various methods of analysis of pipe networks and explain any one of it.

(15 marks)

[4 × 15 = 60 marks]