

**III B. Tech I Semester Supplementary Examinations, June/July-2022**  
**ENVIRONMENTAL POLLUTION & CONTROL**  
(Civil Engineering)

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions **ONE** Question from **Each unit**  
All Questions Carry Equal Marks

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**UNIT-I**

1. a) What are the various causes and effects of Gaseous emissions? [8M]  
Explain.  
b) As per IS codal provisions, list the various Noise standards. [7M]
- (OR)**
2. a) What are the sources of Noise Pollution? Explain in detail. [8M]  
b) Explain in detail about the various Particulate control devices. [7M]

**UNIT-II**

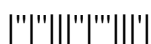
3. a) Define neutralization of industrial waste. Where is it located in [8M]  
treatment process?  
b) Explain the design procedure of Common Effluent Treatment [7M]  
Plants (CETP).
- (OR)**
4. a) Describe how strength reduction of waste can be achieved in [10M]  
industries.  
b) Write short notes on equalization. [5M]

**UNIT-III**

5. a) Classify the types of solid wastes. Describe source of solid waste [8M]  
generator and type of waste.  
b) Discuss about the frequency collection of the solid waste. [7M]
- (OR)**
6. a) What are the various phases of operation of a landfill? Draw the [8M]  
neat sketch of a landfill.  
b) Write short notes on disposal of solid waste by Dumping. [7M]

**UNIT-IV**

7. a) Differentiate between the environmental sanitation process and [8M]  
parameters involved in Schools and Swimming pools.  
b) State the factors governing the sanitation process at social [7M]  
gatherings.



**Code No: R193101G**

**R19**

**SET - 1**

**(OR)**

8. a) Explain how rural sanitation is different from any other sanitation process adopted for commercial buildings. [8M]  
b) What are the environmental sanitation methods for Hostels, Hotels and Hospitals? [7M]

**UNIT-V**

9. a) By means of an example explain how cleaner production can be achieved by attaining sustainable development. [8M]  
b) Enumerate various indicators of sustainability and explain how they contribute to development. [7M]

**(OR)**

10. a) Discuss in detail about the approaches and strategies of sustainable development. [8M]  
b) Differentiate between Development and Sustainable development. [7M]

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