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IV B.Tech I Semester Advance Supplementary Examinations, March - 2023
ENVIRONMENTAL POLLUTION & CONTROL
(Open Elective)

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 is meant by air pollution? Explain in detail about various control methods. [7]
   b) Explain the methods of measurement of Noise Pollution. [8]

(OR)

2 a) Explain about various Noise reduction methods for an industrial area. [7]
   b) Describe the sources of air pollution. [8]

UNIT II

3 a) Explain in detail about Neutralization processes of industrial waste water management.[[7]
   b) Explain in detail the strategies for environmental pollution control. [8]

(OR)

4 a) Explain in detail about Equalization processes of industrial waste water management. [7]
   b) Write a short note on Recirculation of industrial wastes. [8]

UNIT III

5 a) What are the various processes involved in solid waste management? Briefly explain about each process. [7]
   b) Explain the incineration method of solid waste disposal in detail by stating its advantages and disadvantages. [8]

(OR)

6 a) Explain the method of composting for solid waste disposal in detail by stating its advantages and disadvantages. [7]
   b) How do you generate wealth from solid waste? Briefly explain. [8]

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UNIT IV

7   a)   What are the Environmental Sanitation Methods that you suggest for social gatherings such as melas and fares?   [7]

     b)   Describe low cost waste disposal methods   [8]

(OR)

8   a)   What are the Environmental Sanitation Methods that you suggest for Swimming pools and public bathing places?   [7]

     b)   Compare urban and rural sanitation methods.   [8]

UNIT V

9   a)   What are the various indicators for sustainable development? Explain.   [7]

     b)   Compare and contrast industrialization and sustainable development.   [8]

(OR)

10   a)   What are the barriers to sustainability?   [7]

     b)   on one hand "development" and another hand protecting the environment, Explain in your own words to bridge the gap between these two.   [8]