

Roll No.

23/5 E

Total Pages : 2

019604

May 2024

B.Tech. (ENV) - VI Semester

Environmental Pollution, Waste Management and Sanitation (PCC-ENV-604)

Time : 3 Hours]

[Max. Marks : 75

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) Name the sources of air and noise pollution. (1.5)
(b) In which year air and noise pollution policies were implemented in India? (1.5)
(c) What do you understand by water pollution? (1.5)
(d) What do you mean by water quality parameters? (1.5)
(e) What are the effects of air pollution? (1.5)
(f) What is segregation and composition? (1.5)
(g) What is the difference between landfills and incineration? (1.5)
(h) Define reuse, recycle and recovery. (1.5)

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[P.T.O.]

- (i) What do you understand by sanitation? (1.5)
(j) What do you understand by sustainable? (1.5)

PART-B

2. (a) What are the sources and causes of air and soil pollution? (10)
(b) Explain various impacts of pollution on Human Health. (5)
3. (a) What are the environmental regulations and policies? (5)
(b) Why air and water quality monitoring is required and what are the methods for measurement of air and water quality? (10)
4. Explain water and wastewater treatment technologies. (15)

PART-A

5. (a) What do you understand by waste reduction strategies? (5)
(b) Explain collection, Segregation and Storage of solid waste. (10)
6. (a) What are the Solid waste Management policies and practices? (10)
(b) What are the importance of sanitation and Public health? (5)
7. Explain various types and technologies of sanitation systems. (15)