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Roll No.

320843(20)

B. E. (Eighth Semester) Examination, April-May 2021

(New Scheme)

(Civil Engg. Branch)

**ENVIRONMENTAL POLLUTION and
MANAGEMENT**

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

***Note : Attempt all questions. Part (a) is compulsory
and answer any two question from (b), (c)
and (d).***

Unit-I

1. (a) Define environmental management. 2
- (b) Name various types of environmental pollution and
its control. 7

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- (c) Write short notes on : 7
- (i) Wildlife (Protection) Act, 1972
 - (ii) Forest (Conservation) Act, 1980
- (d) What is ISO14000? Discuss the environmental policies and legislation in detail. 7

Unit-II

2. (a) Define the term meta-population. 2
- (b) Explain how overcrowding affects ecology and economy? 7
- (c) Write short notes on : 7
- (i) World population growth
 - (ii) Environment and human health
- (d) Explain exponential growth. Explain exponential growth model with the help of neat sketch. 7

Unit-III

3. (a) Explain the term "municipal solid waste". 2

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- (b) Describe soil and air pollution resulting from toxic commissions and heavy metals from minning. 7
- (c) Write short notes on : 7
- (i) Environmental research methodology
 - (ii) Fate of pollutants in air
- (d) Describe the method of data collection. Explain primary data and secondary data. 7

Unit-IV

4. (a) Explain environmental audit. 2
- (b) Discuss the objective and methodology of environmental audit. 7
- (c) Write short notes on : 7
- (i) Pyrolysis
 - (ii) Hydropulping
- (d) What are the major differences between incineration and composting? Discuss this two methods and suggest which one is best method and more eco-friendly. 7

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Unit-V

5. (a) Describe sustainable development. 2
- (b) What do you mean by EIA? Describe EIA process with the help of flow chart. 7
- (c) Write short notes on : 7
- (i) Technology used for sustainable development
 - (ii) Environmental inventory
- (d) What are the limitations of EIA? 7