

Code: 19ES5601A

**III B.Tech - II Semester – Regular Examinations – JUNE 2022****ENVIRONMENTAL MANAGEMENT****(Common for CSE, ME, EEE)**

Duration: 3 hours

Max. Marks: 70

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- Note: 1. This question paper contains two Parts A and B.  
2. Part-A contains 5 short answer questions. Each Question carries 2 Marks.  
3. Part-B contains 5 essay questions with an internal choice from each unit. Each question carries 12 marks.  
4. All parts of Question paper must be answered in one place.
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**PART – A**

1. a) Write about acid rains and ozone layer depletion.
- b) Write about the sources of water pollution.
- c) Write about alternate energy sources.
- d) What causes earthquakes?
- e) What is EIA?

**PART – B****UNIT – I**

2. a) Write the sources and classification of air pollutants. 6 M
- b) Explain about the environmental criteria for setting industries and green belts. 6 M

**OR**

3. a) Discuss the structure and composition of Atmosphere. 6 M
- b) What do you mean by Green House effect? What measures will you adopt to control it? 6 M

## UNIT – II

4. a) Write about causes, effects and control measures of water pollution. 6 M
- b) Discuss various methods of safe disposal of solid waste. 6 M

OR

5. a) What are the challenges of water management? 6 M
- b) What is solid waste management? Explain in detail. 6 M

## UNIT-III

6. a) Distinguish between renewable and non- renewable resources. 6 M
- b) What is the renewable energy scenario in India? 6 M

OR

7. a) Suggest the best alternate energy source to meet the present energy demand in India. 6 M
- b) Discuss the present Urban energy problems and express some measures to overcome the energy crisis. 6 M

## UNIT – IV

8. a) What are the causes of floods? Explain the flood control measures in detail. 6 M
- b) In what Zones earthquakes occur in India? Explain the reason why it occurs in those Zones? 6 M

OR

9. a) Describe the drought conditions in India with a case study. 6 M
- b) What are the environmental effects due to volcanic eruption? 6 M

**UNIT – V**

10. a) What are the steps in EIA process? 6 M  
b) Write about significance of EIA. 6 M

OR

11. a) How effective was the odd-even rule in Delhi? 6 M  
b) Explain policy framing using a flow chart. 6 M