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**Question Paper Code: 39125**

B.E. / B.Tech. DEGREE EXAMINATION, AUGUST 2021

Elective

Civil Engineering

01UCE925 - ENVIRONMENTAL SCIENCE AND ENGINEERING

(Common to ALL branches)

(Regulation 2013)

Duration: 1:45 hour

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

**(Answer any ten of the following questions)**

1. What is meant by energy flow in an ecosystem?
2. Define sustainable development.
3. List out the water borne diseases.
4. Mention any four sources of air pollution.
5. Define biodiversity.
6. Define recycling.
7. What are renewable resources?
8. What are the impacts of ozone layer depletion?
9. What are the common objectives of environmental legislation?
10. What are the objectives of water act?
11. What is meant by energy flow in an ecosystem?

12. Define sustainable development.
13. List out the water borne diseases.
14. Define biodiversity.
15. What is green house effect?

PART – B (3 x 10= 30 Marks)

**(Answer any three of the following questions)**

16. Explain in detail about the structure and functional components of ecosystem.(10)
17. Explain in detail about the environmental quality objectives and goals. (10)
18. Discuss solid waste management in detail. (10)
19. Briefly explain the engineering interventions to reduce the stress on air. (10)
20. Explain in detail about Environmental Impact Assessment (EIA). (10)