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ANNA UNIVERSITY (UNIVERSITY DEPARTMENTS)

B.E (Full Time) - END SEMESTER EXAMINATIONS, APR/MAY-2024

Computer Science and Engineering – IV Semester

Subject code & Title: **CY6391 & Environmental Science and Engineering**

(Regulation- RUSA2018)

Time: 3hrs

Max. Marks: 100

(FN)
19/6/24

Answer ALL questions

PART A (10 X 2 = 20 MARKS)

1. Give two examples for In-situ and ex-situ conservation.
2. Can producer get nutrients from the decomposer-Explain.
3. Distinguish Point and Non-point Source.
4. How salinity does occurs in soil?
5. Give points of difference between native chicken and broiler chicken.
6. What can be done to aid those in poverty due to desertification?
7. Name two movements initiated for afforestation.
8. List out the effects of extracting minerals.
9. Does the population explosion play positive role in economic growth?
10. Mention any two fundamental rights in India and as a responsible citizen how will you use these rights?

PART B (8 x 8 = 64 MARKS- Answer any eight)

11. Classify the zones in lake ecosystem and discuss its structure and function.
12. Why is the concept of food web ecologically more real than that of a simple food chain? Explain
13. Write short notes on (i) Biomagnifications of DDT (ii) Bhopal gas tragedy (iii) Kaveri water dispute (iv) Minamata disaster.
14. Discuss the classification of solid waste. Discuss the current methodologies adopted for solid waste management
15. Give an account of noise generated during Diwali. What would you suggest to reduce this menace?
16. Write briefly about the pollutants that are responsible for the global warming and mention their consequences to the environment
17. What is Solar energy? How is energy harvested through solar energy? Discuss the application of Solar energy.
18. How can one create sustainable watershed management?
19. Why GM crops are not much accepted by the people.
20. Illustrate the effectiveness of family welfare programs in controlling population growth.
21. How the increase in population have an impact over food supply? Describe.
22. Discuss about traditional and modern rain water harvesting

PART C (1x 16 = 16 MARKS)

23. i) **Critically analyse** the cause, effect and solutions to any recent issues with respect to environment in Tamilnadu comment.
- ii) Discuss in detail about the various threats exists to the biodiversity.