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Question Paper Code: 59175

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

Open elective

Computer Science and Engineering

15UCE975 - ENVIRONMENTAL SCIENCE AND ENGINEERING

(Common to ECE, EEE, EIE, MECH, IT, Chemical, BME, AGRICULTURE)

(Regulation 2015)

Duration: 1.45 hrs

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

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| 1. What is meant by Ecosystem? | CO1- R |
| 2. Define permeability of soil | CO2-U |
| 3. Define greenhouse effect. | CO3- R |
| 4. Write 3R of waste minimization. | CO4- U |
| 5. What are the obstacles in implementing Polluter Pays principles? | CO5- Ana |
| 6. Define ecological succession and ecological pyramid. | CO1- R |
| 7. Define permeability of soil | CO2-U |
| 8. Name the techniques involved in processing of SWMS | CO3- R |
| 9. List out the some types of E-waste | CO4- U |
| 10. Define: Overview of the Constitutional provisions. | CO5- Ana |
| 11. State food chain and food web. | CO1- R |
| 12. Define morality | CO2-U |
| 13. Define biodiversity | CO3- R |
| 14. Define Good housekeeping. | CO4- U |
| 15. Analyze the objectives of EIA. | CO5- Ana |

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

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| 16. Explain in detail about components of environment. | CO1- U | (10) |
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| 17. Explain in detail about dispersion of air pollutants with neat sketches. | CO2-U | (10) |
| 18. Explain detail about hazardous waste management. | CO3-U | (10) |
| 19. Explain in detail about different types of clean technologies. | CO4- U | (10) |
| 20. Explain in detail about water act 1974 and air act 1981. | CO5- U | (10) |