Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – April/May– 2017**

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| **Code :** | **14CH1003** | **Duration :** | **3hrs** |
| **Sub. Name :** | **ENVIRONMENTAL STUDIES** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1. | a. | List out the problems associated with the over utilization of water. | CO1 | 6 |
| b. | Discuss the causes of deforestation. | CO1 | 10 |
| c. | Write a note on wind energy. | CO1 | 4 |
| (OR) | | | | |
| 2. | a. | Discuss the effects of soil erosion and methods of controlling soil erosion. | CO1 | 10 |
| b. | Give an account of the disadvantages of construction of dams. | CO1 | 10 |
| 3. | a. | Define ecological succession.Explain the stages of ecological succession. | CO1 | 10 |
|  | b. | Explain the values of biodiversity. | CO1 | 10 |
| (OR) | | | | |
| 4. | a. | How is biodiversity conserved by in-situ conservation methods? | CO1 | 10 |
|  | b. | Write notes on i.endangered animal species  ii.types of biodiversity  iii.grazing food chain. | CO1 | 10 |
| 5. | a. | Give an account of the causes and effects of any five air pollutants. | CO2 | 5 |
|  | b. | Write a note on the effects of thermal pollution. | CO2 | 5 |
|  | c. | Discuss the principles of green chemistry. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Explain cyclone separator and electroprecipitator methods of controlling air pollution. | CO2 | 10 |
|  | b. | What are the harmful effects of radiation pollution? | CO2 | 5 |
|  | c. | Write note on 5 R’s in solid waste management. | CO2 | 5 |
|  | e. | Define global warming. Explain its harmful effects. | CO2 | 10 |
| 7. | a. | Discuss the problems of sustainable development. | CO2 | 6 |
|  | b. | How is water conserved in irrigation? | CO2 | 4 |
| (OR) | | | | |
| 8. | a. | Explain the duties of central pollution control board under water act. | CO2 | 10 |
|  | b. | Give an account of rain water harvesting techniques. | CO2 | 10 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Discuss the causes, effects and management of earthquake. | CO2 | 10 |
|  | b. | Write notes on  i.role of information technology in environment ii.strategies for women welfare. | CO2 | 10 |

ALL THE BEST