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 :** | **EVIRONMENTAL 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. | Discuss any five advantages of dam in detail. | CO1 | 5 |
| b. | Describe the indirect uses of forest resources. | CO1 | 5 |
| c. | Write short notes on any four renewable energy sources. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | List out the anthropogenic factors which cause land degradation. | CO1 | 6 |
| b. | Explain the role of an individual in  a) Energy conservation; b) Water conservation c) Soil conservation | CO1 | 9 |
| c. | Mention any five effects of desertification in brief. | CO1 | 5 |
|  |  |  |  |  |
| 3. | a. | Describe any five threats to biodiversity. | CO1 | 10 |
|  | b. | Explain the basic components of ecosystem with examples. | CO1 | 7 |
|  | c. | Write a short note on energy flow in ecosystem. | CO1 | 3 |
| (OR) | | | | |
| 4. | a. | Explain exsitu conservation methods of biodiversity. | CO1 | 10 |
|  | b. | Write a note on bio-geographical classification of India. | CO1 | 10 |
| 5. | a. | Discuss any five controlling methods of soil pollution. | CO2 | 5 |
|  | b. | What is noise? Describe its man made causes and its effects on wild life. | CO2 | 10 |
|  | c. | Mention any five man made causes of water pollution. | CO2 | 5 |
| (OR) | | | | |
| 6. | a. | Explain the effects of water pollution on  a) Human health, b) plants and c) animals. | CO2 | 10 |
|  | b. | List out the anthropogenic causes of the presence of volatile organic compounds (VOCs) in air. | CO2 | 5 |
|  | c. | Discuss the controlling methods of thermal pollution. | CO2 | 5 |
|  |  |  |  |  |
| 7. | a. | What is acid rain? How it is produced? Discuss its effects on aquatic and terrestrial ecosystems and on buildings. | CO2 | 10 |
|  | b. | List out the aims and features of Forest (Conservation) Act, 1980. | CO2 | 10 |
| (OR) | | | | |
| 8. | a. | Explain the environmental effects of Ozone layer depletion in detail. | CO2 | 10 |
|  | b. | Discuss in detail various rain water harvesting techniques. | CO2 | 10 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Describe the causes of population growth. | CO2 | 5 |
|  | b. | List out the misconceptions associated with AIDS. | CO2 | 5 |
|  | c. | Discuss the causes, effects and management of cyclone. | CO2 | 10 |

ALL THE BEST