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 – Nov/Dec – 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **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. | Describe benefits and problems associated with dams. | CO1 | **10** |
| b. | What is soil erosion? What are the causes of soil erosion and the methods of preventing it? | CO2 | **10** |
| **(OR)** | | | | |
| 2. | a. | Explain the direct and indirect ecological uses of forest. | CO2 | **10** |
| b. | Write short notes on: a) Water logging b) Ground subsidence  c) Intrusion of salt water | CO1 | **3+3+4** |
| 3. | a. | Discuss the classification of biotic components with examples | CO2 | **10** |
|  | b. | What is food chain? Explain the types of food chains with examples. | CO2 | **8** |
|  | c. | Define the term Biomagnification. | CO1 | **2** |
| **(OR)** | | | | |
| 4. | a. | What is ecological succession? Give its process in detail. | CO1 | **10** |
|  | b. | Give an account on Conservation of biodiversity with advantages and disadvantages. | CO2 | **10** |
| 5. | a. | What are the different types of air pollutants? Give its effects and sources | CO2 | **10** |
|  | b. | Explain the different types of water pollutants with examples. | CO2 | **8** |
|  | c. | What is dB? | CO1 | **2** |
| **(OR)** | | | | |
| 6. | a. | Expalin the following methods with diagram. A) Cyclone separator.  B) Electrostatic precipitator. | CO2 | **10** |
|  | b. | What is solid waste? In what way the 5R’s techniques are best than traditional solid waste disposal methods? | CO2 | **10** |
| 7. | a. | What is Ozone hole? What are the causes and effects of ozone layer depletion. | CO1 | **10** |
|  | b. | Discuss briefly the salient features on Wildlife conservation act. | CO1 | **5** |
|  | c. | Give the effects of Global warming. | CO2 | **5** |
| **(OR)** | | | | |
| 8. | a. | Define green chemistry. How will the green chemistry principles to reduce hazardous chemicals? | CO2 | **10** |
|  | b. | What is sustainable development? Give its measures and problems of sustainable. | CO1 | **10** |
|  | | **Compulsory:** |  |  |
| 9. | a. | What is Population explosion? Explain the causes and effects of population Growth. | CO1 | **10** |
|  | b. | Give a detailed account of methods used in water conservation. | C02 | **10** |

ALL THE BEST