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. | Discuss briefly on flood and its types. | CO1 | 5 |
| b. | Describe benefits and problems associated with dams. | CO2 | 10 |
| c. | How will you control soil erosion? | CO2 | 5 |
| (OR) | | | | |
| 2. | a. | Discuss the merits and demerits of dams. | CO1 | 10 |
| b. | What is deforestation? What are the major consequences, effects and causes of deforestation? | CO2 | 10 |
| 3. | a. | Define the term eutrophication. | CO1 | 02 |
| b. | Give the differences between food chain and food web with neat flowchart and diagram. | CO2 | 06 |
| c. | What are biotic components? Briefly discuss the structure of an ecosystem. | CO1 | 12 |
| (OR) | | | | |
| 4. | a. | What is ecological succession? Explain the process of ecological sucession. | CO2 | 10 |
|  | b. | Give an account on values of biodiversity with examples. | CO1 | 10 |
| 5. | a. | What is dB? Pronlonged siren disturbs the environment. Justify it. | CO2 | 10 |
|  | b. | What are the different types of air pollutants? Give its effects and sources | CO1 | 10 |
| (OR) | | | | |
| 6. | a. | Expalin the following methods with diagram. A) Cyclone separator. B) Electrostatic precipitator. | CO1 | 10 |
|  | b. | What is solid waste? Explain various disposal methods of solid waste. | CO2 | 10 |
| 7. | a. | What are Green house gases? What are the causes and effects of Global warming? | CO2 | 10 |
|  | b. | Write the salient features of Water conservation act. | CO2 | 05 |
|  | c. | Give the causes and effects of acid rain. | CO1 | 05 |
| (OR) | | | | |
| 8. | a. | Define Green chemistry. “Green chemistry principles are needed today” Justify it. | CO2 | 10 |
|  | b. | What is sustainable development? Give its measures and problems of sustainable development. | CO1 | 10 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Give a brief account of various water conservation methods in our daily life. | CO1 | 10 |
|  | b. | What are HIV and AIDS? What are the sources of HIV infection and causes of AIDS. Suggest precautions to be taken to avoid AIDS. | CO2 | 10 |