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 :** | **12CH203** | **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. | Outline the disadvantages of dams in detail. | CO1 | | 10 |
| b. | Explain any three renewable energy resources with their advantages. | CO1 | | 10 |
| (OR) | | | | | |
| 2. | a. | Suggest measures to control soil erosion in different land forms. | CO1 | | 10 |
| b. | Point out any 5 ways of conserving water and energy resources in daily life. | CO1 | | 10 |
| 3. | a. | Define ecological succession. Discuss the steps involved in ecological succession. | CO1 | | 10 |
|  | b. | Write short notes on a) significance of food chain b) biotic components of ecosystem. | CO1 | | 4+6 |
| (OR) | | | | | |
| 4. | a. | What is biodiversity? Summarize the values of biodiversity. | CO1 | | 2+8 |
|  | b. | Identify any 4 methods of exsitu conservation of biodiversity. Explain in detail. | CO1 | | 10 |
| 5. | a. | Mention any three gaseous air pollutants and their sources. Write the effects of air pollutants on human health. | CO2 | | 3+7 |
|  | b. | List the methods of disposal adopted for various types of soild wastes. Prepare a report on solid waste management by following 5R’s in daily life. | CO2 | | 2+8 |
| (OR) | | | | | |
| 6. | a. | Write an essay on the causes, effects and control of noise pollution. | CO2 | | 10 |
|  | b. | Summarize the principles of green chemistry in detail. | CO2 | | 10 |
| 7. | a. | How is acid rain formed? Briefly discuss the effects and control measures. | CO3 | | 10 |
|  | b. | Discuss the methods adopted in rain water harvesting. What are it’s benefits? | CO3 | | 10 |
| (OR) | | | | | |
| 8. | a. | Green house effect is a blessing and not a curse. Justify the statement. Point out the effects of enhanced green house effect. | | CO3 | 10 |
|  | b. | Record the salient features of water conservation act in detail. | | CO3 | 10 |
|  | | **Compulsory**: | |  |  |
| 9. | a. | The population growth in India has been tremendous between 1901 and 1991. Give reasons. Point out three effects of population growth. | | CO3 | 10 |
|  | b. | What are natural disasters? Suggest three measures to manage during an earthquake, flood and landslide. | | CO3 | 10 |

ALL THE BEST