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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

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

**Supplementary Examination – June– 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 direct and indirect uses of forest resources. | CO1 | | 10 |
| b. | List the types of floods. Write an account on the advantages of dams. | CO1 | | 3+7 |
| (OR) | | | | | |
| 2. | a. | Briefly explain the causes and effects of soil erosion. | CO1 | | 10 |
| b. | Suggest any 5 ways of conserving water and energy resources in daily life. | CO1 | | 10 |
| 3. | a. | Summarize the biotic and abiotic components of ecosystem with examples. | CO1 | | 10 |
|  | b. | Define ecological succession. Discuss the steps involved in ecological succession. | CO1 | | 10 |
| (OR) | | | | | |
| 4. | a. | What is biodiversity? Outline the threats faced by biodiversity. | CO1 | | 2+8 |
|  | b. | Identify the methods used in insitu conservation of biodiversity. Write the advantages and disadvantages. | CO1 | | 10 |
| 5. | a. | Write an essay on the causes and control measures of air pollution. | CO2 | | 3+7 |
|  | b. | What are the different types of solid wastes? How 5R’s help in solid waste management? | CO2 | | 2+8 |
| (OR) | | | | | |
| 6. | a. | Give a detailed account on the causes, effects and control measures of noise pollution. | CO2 | | 10 |
|  | b. | Outline the principles of green chemistry in detail. | CO2 | | 10 |
| 7. | a. | Elucidate the causes, effects and control measures of ozone hole formation. | CO3 | | 10 |
|  | b. | Discuss the methods adopted in rain water harvesting. What are it’s benefits? | CO3 | | 10 |
| (OR) | | | | | |
| 8. | a. | How is acid rain formed? Briefly discuss the effects and control measures. | | CO3 | 10 |
|  | b. | Comment on the salient features and issues of forest conservation act in detail. | | CO3 | 10 |
|  | | **Compulsory**: | |  |  |
| 9. | a. | Expand the following: AIDS, HIV. Point out the reasons for HIV infection and the symptoms. | | CO3 | 2+8 |
|  | b. | What are natural disasters? Suggest three measures to manage during an earthquake, landslide and cyclone. | | CO3 | 10 |

ALL THE BEST