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



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **18CH2001** | **Duration :** | **3hrs** |
| **Sub. Name :** | **ENVIRONMENTAL STUDIES** | **Max. Marks :** | **100** |

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| **Q. No.** | **Questions** | **Course Outcome** | **Marks** |
| **PART – A (10 X 1 = 10 MARKS)** | | | |
| 1. | Which one of the following is a non-renewable resource  (a) Nuclear fuel (b) Wind energy (c) Solar energy (d) Hydropower | CO1 | 1 |
| 2. | India’s largest wind energy farm is located at \_\_\_\_\_\_\_\_\_\_. | CO1 | 1 |
| 3. | The complex network of interconnected food chains is called  (a) Trophic level (b) Food web (c) Ecological pyramid (d) Ecology chain | CO2 | 1 |
| 4. | Define Hot spot of biodiversity. | CO3 | 1 |
| 5. | Which of the following are the causes of thermal pollution?  (a) Thermal power plants (b) Nuclear power plants (c) Industrial plants (d) All | CO4 | 1 |
| 6. | Define endemic species. | CO4 | 1 |
| 7. | Ozone layer is present in  (a) hemisphere (b) Stratosphere (c) Mesosphere (d) Ionosphere | CO5 | 1 |
| 8. | Give an example for secondary pollutants. | CO5 | 1 |
| 9. | What does census provides us?  (a) Information regarding population, (b) Information regarding resources,  (c) Information regarding agricultural income, (d) Information regarding crops | CO6 | 1 |
| 10. | Expand CFC and VOC. | CO6 | 1 |

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| **PART – B (6 X 3 = 18 MARKS)** | | | |
| 11. | Discuss the consequences of deforestation. | CO1 | 3 |
| 12. | Define: Producers, consumers and decomposers. | CO2 | 3 |
| 13. | Explain the various bio geographical classificationof India. | CO3 | 3 |
| 14. | Elaborate green chemistry. | CO4 | 3 |
| 15. | Explain rainwater harvesting and sketch the process. | CO5 | 3 |
| 16. | Describe any recent natural disaster happened in India. | CO6 | 3 |

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| **PART – C (6 X 12 = 72 MARKS)**  **(Answer any five Questions from Q.no 17 to 23. Q.No 24 is a Compulsory Question)** | | | | |
| 17. | a. | Describe the role of an individual in conservation of various natural  Resources. | CO1 | 6 |
| b. | Point out the advantages and disadvantages of Dams. | CO1 | 6 |
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| 18. | a. | Discuss in detail a food chain with suitable example. | CO2 | 6 |
| b. | Discuss the Structure and function of an ecosystem. | CO2 | 6 |
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| 19. | a. | List out various threats to biodiversity. Explain in detail. | CO3 | 6 |
| b. | Sketch various levels of ecological succession. | CO3 | 6 |
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| 20. | a. | Explain briefly the electrostatic precipitator. | CO4 | 6 |
| b. | List out various roles of an individual in prevention of pollution. | CO4 | 6 |
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| 21. | a. | Write a short note on acid rain and explain how it affects our environment. | CO5 | 6 |
| b. | Define ozone layer depletion: List out their effects on biosphere. | CO5 | 6 |
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| 22. | a. | Discuss in detail the Global warming. | CO5 | 6 |
| b. | Identify the problems associated with over-utilization of surface and ground water. | CO1 | 6 |
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| 23. | a. | Explain briefly the nuclear pollution. | CO4 | 6 |
| b. | Explain various methods of controlling soil pollution soil erosion. | CO4 | 6 |
|  |  | **Compulsory:** | | |
| 24. | a. | Discuss various methods involving in flood and earthquake management. | CO6 | 6 |
| b. | Explain various issues related to population explosion. | CO6 | 6 |