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



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

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| **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. | As a student, what are the steps one can take to conserve energy resources and water resources? | CO1 | 10 |
| b. | What are the advantages and disadvantages of constructing dams? | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | Discuss the causes and consequences of deforestation. | CO1 | 10 |
| b. | Enumerate the direct and indirect uses of forest. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Outline the steps taken to conserve biodiversity. | CO1 | 10 |
|  | b. | Giving specific examples, explain producers, consumers and decomposers. | CO1 | 10 |
| **(OR)** | | | | |
| 4. | a. | Discuss the structure and function of an ecosystem. | CO1 | 10 |
| b. | Write briefly on “Hotspots of biodiversity”. | CO1 | 6 |
| c. | Mention any two Hot-Spots of biodiversity in india. | CO1 | 4 |
|  |  |  |  |  |
| 5. | a. | What is green chemistry? Highlight the principles of green chemistry. | CO2 | 10 |
| b. | Explain the causes, effect and control method of air pollution. | CO2 | 10 |
| **(OR)** | | | | |
| 6. | a. | Discuss in detail the causes, effects and control measures to tackle the problem of water pollution. | CO2 | 10 |
| b. | Discuss the methodology adopted for solid waste management. | CO2 | 10 |
|  |  |  |  |  |
| 7. | a. | Highlight the salient features of air (prevention and control of pollution) act. | CO2 | 5 |
| b. | Explain the cause and effect of   1. Ozone layer depletion ii. Acid rain   iii. Global warming. | CO3 | 15 |
| **(OR)** | | | | |
| 8. | a. | Explain the importance and methodology of rain water harvesting. | CO3 | 12 |
| b. | Discuss the salient features of; |  |  |
|  | 1. Wildlife protection Act. | CO3 | 4 |
|  | 1. Forest conservation Act. | CO3 | 4 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Discuss the principles of management of natural disasters   1. Earthquake ii. Cyclone | CO3 | 10 |
| b. | What is AIDS? Highlight the modes of transmission of HIV infection and control measures adopted for it. | CO3 | 10 |