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

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**End Semester Examination –Nov/Dec– 2018**

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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. | Write short notes on   1. Deforestation.   ii. Alternate energy sources. | CO1 | 10 |
| b. | As a student, what are the steps one can take to conserve energy resources and water resources? | CO4 | 10 |
| (OR) | | | | |
| 2. | a. | Outline the hydrological cycle with a sketch. | CO1 | 10 |
| b. | Enumerate the direct and indirect uses of forest. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Discuss the structure and function of an ecosystem. | CO1 | 12 |
| b. | What are food webs? Explain the significance of it? | CO1 | 8 |
| (OR) | | | | |
| 4. | a. | Outline the steps taken to conserve biodiversity. | CO1 | 8 |
| b. | Discuss the values of biodiversity? | CO1 | 8 |
| c. | Mention any two Hot-Spots of biodiversity in India. | CO1 | 4 |
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| 5. | a. | Discuss in detail the causes, effects and control measures to tackle the problems of water pollution . | CO2 | 12 |
| b. | Outline the role of an individual in prevention of pollution. | CO3 | 8 |
| (OR) | | | | |
| 6. | a. | Write a brief note on ‘Thermal pollution’? | CO2 | 5 |
| b. | What is green chemistry? Highlight the principles of green chemistry. | CO4 | 10 |
| c. | Write a short note on ‘Industrial wastes’. | CO3 | 5 |
|  | | | | |
| 7. | a. | Explain the cause and effects of   1. Ozone layer depletion ii. Acid rain.   iii. Global warming. | CO5 | 15 |
| b. | Highlight the salient features of air (preventation and control of pollution) act. | CO5 | 5 |
| (OR) | | | | |
| 8. | a. | Write briefly on steps adopted for water conservation? | CO4 | 10 |
| b. | Discuss the urban problems related to energy? | CO4 | 10 |
|  |  |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Write the expansion for HIV and AIDS. Discuss the causes and preventive measures to tackle these diseases. | CO6 | 2+8 |
| b. | Bring out the role of information technology in addressing issues of human health and environment. | CO6 | 10 |