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

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

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| **Code :** | **14CE2042** | **Duration :** | **3hrs** |
| **Sub. Name :** | **GLOBAL CLIMATE CHANGE AND ITS IMPACT** | **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. | [Elaborate on the role of natural forces play in the current global warming trend](http://www.worldwatch.org/node/3949#a7). | CO1 | 5 |
| b. | List out the effects of climate change on Indian Monsoon seasons. | CO2 | 5 |
| c. | Discuss the layers of atmosphere and importance of each layer. | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | Demonstrate the importance of monsoon season for Indian agriculture. | CO1 | 10 |
| b. | Describe the marine and terrestrial carbon cycles. | CO3 | 10 |
|  |  |  |  |  |
| 3. | a. | Describe the factors affecting tropical climates. | CO1 | 5 |
| b. | Estimate the effects of climate change on economy. | CO2 | 5 |
| c. | Write short notes on clean development mechanism (CDM). | CO3 | 5 |
| d. | Enumerate on vulnerability. | CO1 | 5 |
| **(OR)** | | | | |
| 4. | a. | Extend the effects of climate on human health. | CO2 | 10 |
| b. | Summarize the role of governments on climate protection. | CO1 | 10 |
|  |  |  |  |  |
| 5. | a. | Analyze the influences of climate change on the water supply and sanitation. | CO2 | 10 |
| b. | Describe the importance of industrialization and urbanization. | CO1 | 10 |
| **(OR)** | | | | |
| 6. | a. | Describe the factors influencing the tropical climate. | CO1 | 10 |
| b. | Demonstrate the effects of climate change on infrastructure. | CO3 | 5 |
| c. | Predict the effects of climate change on agriculture and food security. | CO2 | 5 |
|  |  |  |  |  |
| 7. | a. | Estimate the vital importance of storms. | CO2 | 10 |
| b. | Explain the chemistry of atmosphere. | CO1 | 10 |
| **(OR)** | | | | |
| 8. |  | Assess the case study of climate change on Antarctica. | CO3 | 20 |
|  | | **Compulsory**: |  |  |
| 9. | a. | [Explain](http://www.worldwatch.org/node/3949#a5) the future use of energy and fossil fuels. | CO2 | 10 |
| b. | What is Green House Effect? Explain the causes, effects and remedies. | CO2 | 10 |