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



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

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| **Code :** | **18CE3059** | **Duration :** | **3hrs** |
| **Sub. Name :** | **IMPACT OF CLIMATE CHANGE ON WATER RESOURCES** | **Max. Marks:** | **100** |

**ANSWER ANY FIVE QUESTIONS (5 x 16 = 80 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Identify the characteristics of climate system components. | CO1 | 8 |
| b. | Compose in detail about the greenhouse effect. | CO1 | 8 |
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| 2. | a. | Explain any four cyclones which affected India. | CO2 | 8 |
| b. | Compile the role of IPCC in climate change studies. | CO2 | 8 |
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| 3. | a. | List the importance of vulnerability assessment. | CO3 | 8 |
| b. | Evaluate the features of zero-dimensional models. | CO4 | 8 |
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| 4. |  | Explain Climate change adaptation techniques in detail. | CO4 | 16 |
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| 5. | a. | Discuss in detail about carbon dioxide capture and storage. | CO5 | 10 |
| b. | Explain the land-use change and management as a tool of climate change mitigation. | CO5 | 6 |
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| 6. |  | Combine the application of modern tool in climate change studies. | CO4 | 16 |
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| 7. | a. | Evaluate the feature of Earth-system models of intermediate complexity. | CO5 | 8 |
| b. | Recall the feature of global climate models. | CO5 | 8 |
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| **COMPULSORY QUESTION (1 x 20 = 20 Marks)** | | | | |
| 8. | a. | Examine the features of the Ganga Damodar Project. | CO6 | 10 |
| b. | Elaborate in detail about Himalayan glacier studies. | CO6 | 10 |