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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – Nov/Dec – 2017**

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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)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | [Elaborate the scientific consensus on the causes and consequences of climate change?](http://www.worldwatch.org/node/3949#a5) | CO1 | 5 |
| b. | Write any case study for the global warming? | CO2 | 10 |
| c. | Discuss the mechanism of green house effect? | CO2 | 5 |
| (OR) | | | | |
| 2. | a. | Paraphrase the Causes, mechanism and effects of ozone layer depletion. | CO1 | 10 |
| b. | Express the earth’s carbon resources. | CO2 | 10 |
|  |  |  |  |  |
| 3. | a. | How ozone layer is protecting lives on earth? | CO1 | 5 |
|  | b. | Compare climate and weather? | CO2 | 5 |
|  | c. | Illustrate [role of human activity play in the current global warming trend?](http://www.worldwatch.org/node/3949#a6) | CO3 | 5 |
|  | d. | Enumerate about acid rains? | CO1 | 5 |
| (OR) | | | | |
| 4. | a. | Construct Influences and feedbacks of hydrological changes on climate. | CO2 | 10 |
|  | b. | Explain the role of governments, industries and individuals on climate protection. | CO1 | 10 |
|  |  |  |  |  |
| 5. | a. | Extend structure and driving forces of the earth. | CO2 | 10 |
|  | b. | Assess the importance of water? | CO1 | 10 |
| (OR) | | | | |
| 6. | a. | Describe the factors influencing the polar climate? | CO1 | 10 |
|  | b. | Demonstrate the effects of climate change on desert climate? | CO3 | 5 |
|  | c. | Predict the effects of climate change on water cycle? | CO2 | 5 |
|  |  |  |  |  |
| 7. | a. | Judge the effects of urbanization on climate? | CO2 | 10 |
|  | b. | Summarize the effects of industrialization on climate? | CO2 | 10 |
| (OR) | | | | |
| 8. | a. | Enumerate role of IPCC in protection climate. | CO3 | 5 |
|  | b | Discuss the climate modeling for prediction of climate data. | CO2 | 5 |
|  | c | Interpret the Sustainable development to save the environment? | CO2 | 5 |
|  | d | Elaborate about international agreements and protocols. | CO3 | 5 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Demonstrate how carbon dioxide hurt us? | CO1 | 10 |
|  | b. | List out the evidence that proves the climate is changing? | CO3 | 10 |

ALL THE BEST