

Reg. No.: .....



Name: .....

**University of Kerala**

U9299

Second Semester FYUGP Degree Examination, April 2025

Multi-Disciplinary course

**GEOGRAPHY**

**UK2MDCGGY100 - Introduction to Climate Change and Mitigation**

Academic Level: 100-199

**Time: 1 Hour 30 Minutes(90 Mins.)**

**Max. Marks: 42**

**Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark Each.Answer all questions**

| Qn No. | Question                                                   | CL | CO |
|--------|------------------------------------------------------------|----|----|
| 1      | Define Climate change.                                     | RE | 1  |
| 2      | Name the coldest layer of atmosphere                       | RE | 1  |
| 3      | List any two elements of weather and climate               | UN | 1  |
| 4      | Define Albedo                                              | UN | 1  |
| 5      | State one effect of drought on agriculture.                | UN | 3  |
| 6      | Mention one development strategy to control climate change | UN | 2  |

**Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions**

| Qn No. | Question                                                                          | CL | CO |
|--------|-----------------------------------------------------------------------------------|----|----|
| 7      | Explain the concept of sustainable development                                    | UN | 2  |
| 8      | Define planetary winds                                                            | UN | 1  |
| 9      | Examine the significance of Suspended Particulate Matters (SPM) in the atmosphere | AP | 1  |
| 10     | Examine the connection between climate change and forced migration?               | AP | 3  |

| Qn No. | Question                                                                                                                                                                                  | CL | CO   |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|
| 11     | <p>A)<br/>"Climate change is not uniform throughout the world"; Justify.</p> <p>OR</p> <p>B)<br/>"Climate change impact the rhythm of Monsoon". Comment on the statement.</p>             | AP | 2, 2 |
| 12     | <p>A) Analyse the regional variability of climate change OR</p> <p>B)<br/>Critically analyze the role of wetlands in controlling floods and droughts.</p>                                 | AN | 2, 3 |
| 13     | <p>A)<br/>Explain the formation of planetary winds and discuss their impact on global weather.</p> <p>OR</p> <p>B) Evaluate the variability of climate change in different continents</p> | EV | 1, 2 |
| 14     | <p>A)<br/>Explain the concept of the Earth's heat budget with a diagram.</p> <p>OR</p> <p>B)<br/>Formulate sustainable development tools for Climate change and mitigation.</p>           | CR | 1, 4 |