



ଓଡ଼ିଶା ରାଜ୍ୟ ମୁକ୍ତ ବିଶ୍ୱବିଦ୍ୟାଳୟ, ସମ୍ବଲପୁର, ଓଡ଼ିଶା  
Odisha State Open University, Sambalpur, Odisha  
Established by an Act of Government of Odisha.

# ASSIGNMENT – 1 to 4

**ACADEMIC SESSION: 2017-18**

## **CERTIFICATE IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT**

**(CCCSD)**

Please read the instructions carefully before attempting assignment questions.

# INSTRUCTIONS

## Dear Learner,

Welcome to the Certificate Programme in Climate Change and Sustainable Development (CCCSO) offered by Odisha State Open University, Sambalpur.

You are required to submit one assignment per course within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counselors at your Study Centre. Please submit your assignment response to Coordinator of the Study Centre. Before you attempt the assignments, please go through the course materials carefully. Please read the instructions pertaining to an assignment before you start writing your answer. Do not copy from the course material or from any other source. You are advised to read the material carefully, understand the same and write answers in your own language and style so that you will get good marks/grades.

### **Purpose of Assignments:**

1. Assignments are part of the continuous evaluation process in Open and Distance Learning (ODL) system. Due weightage is given to the marks/grades you obtain in assignments. This will help you for better performance in the term-end examination. If you secure good grades/marks in assignments, your overall performance will improve.
2. Assignments are also a part of the teaching-learning process in ODL. Your assignment, after evaluation, will be returned back to you with specific and general comments by the evaluator. This will help you to know your strength as well as your weakness. Thus, it will establish a two-way communication between learner and evaluator.

### **How to write assignments:**

1. Write your name, programme code, course title, enrolment no. and study centre code in the top sheet of the assignment answer booklet.
2. Write the answers in your handwriting. Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page.
3. Do not cross the word limit given in each question.
4. Your handwriting should be neat and readable.

### **Weightage for each assignment:**

1. Each assignment will carry 25% weightage and term-end examination will carry 75% weightage.
2. Each assignment will be of 100 marks. But it will carry 25% weightage.
3. You have to score minimum pass mark i.e. 40% in each assignment. In case you do not submit assignment or get fail mark in assignment you have to re-submit it.

### ***SUBMISSION DATES FOR ASSIGNMENTS***

<b>Course Code</b>	<b>Course Title</b>	<b>Date of Submission</b>	<b>Day as per Calendar</b>
CCCSD-01	Introduction to CCSD: Principles and Approaches	22 <sup>nd</sup> October 2017	Sunday
CCCSD-02	Climate Change: Challenges and Choices	29 <sup>th</sup> October 2017	Sunday
CCCSD-03	Climate Change and Sustainable Development: Policies and Programmes	05 <sup>th</sup> November 2017	Sunday
CCCSD-04	Climate Change and Sustainable Development: Stories of Success	12 <sup>th</sup> November 2017	Sunday

## ASSIGNMENT-1

**CCCSD-01: Introduction to CCSD: Principles and Approaches**

**Total Credit: 4**

***Long Answers Questions (within 500 words)***

- |          |   |          |
|----------|---|----------|
| Q. 01(i) | Give a detailed description of the composition & structure of the atmosphere? | Mark: 20 |
| Q.01(ii) | What are the factors affecting the global climate? Describe in detail.        | Mark: 20 |

***Medium Answers Questions (within 150 words)***

- |          |  |          |
|----------|--|----------|
| Q.02(i)  | What are the Factors affecting the distribution of insolation?           | Mark: 15 |
| Q.02(ii) | What are different mechanism of heating and cooling of Earth Atmosphere? | Mark: 15 |

***Short Answers Questions (6 marks each)***

Mark: 30

- Q. 03      Write Short Notes on:(within 50 words)
- i) Sea level Change
  - ii) Ozone layer depletion
  - iii) Sunspots
  - iv) Safe Planetary Boundary
  - v) Tornado

## ASSIGNMENT-2

**CCCSD-02: Climate Change: Challenges and Choices**

**Total Credit: 4**

***Long Answers Questions (within 500 words)***

- Q. 01(i) Describe how does loss of biodiversity and mass extinction have become instrumental in defining the concept of biodiversity conservation? Mark: 20
- Q.01(ii) Describe the critical and emerging issues of food security in era of climate change? Mark: 20

***Medium Answers Questions (within 150 words)***

- Q.02(i) How do trees and forests relate to climate change? Mark: 15
- Q.02(ii) Briefly describe the sustainable management of coastal zone in India? Mark: 15

***Short Answers Questions (6 marks each)***

Mark: 30

- Q. 03 Write Short Notes on:(within 50 words)
- i) Water conservation
  - ii) Climate induced natural hazards
  - iii) Coastal ecosystem
  - iv) Impact of Climate Change on surface water
  - v) Sustaining Indian Agriculture in era of Climate change

## ASSIGNMENT-3

**CCCSD-03: Climate Change and Sustainable Development: Policies and Programmes**      **Total Credit: 4**

***Long Answers Questions (within 500 words)***

- Q. 01(i)      Give a detailed description of the concept of Sustainable Development and its objectives? Justify with various reports of the Summits.      Mark: 20
- Q.01(ii)      Discuss about the national and state policies related to climate change sustainable development?      Mark: 20

***Medium Answers Questions (within 150 words)***

- Q.02(i)      What are the roles played by civil societies in achieving sustainable development goals?      Mark: 15
- Q.02(ii)      How innovative practices in Agriculture and Forestry are responsible for bringing Sustainable Development and averting climate crisis?      Mark: 15

***Short Answers Questions      (6 marks each)***      Mark: 30

- Q. 03      Write Short Notes on: (within 50 words)
- i) Sustainable Economic Growth
  - ii) Sustainable Livelihoods
  - iii) Gender disparity
  - iv) The Earth Summit
  - v) Bio – villages or Eco – villages.

## ASSIGNMENT-4

**CCCSD-04: Climate Change and Sustainable Development: Stories of Success**      **Total Credit: 4**

### *Long Answers Questions (within 500 words)*

- Q. 01(i)      Discuss about the Gross National Happiness (GNH) of Bhutan. What Bhutan's Gross National Happiness could offer India?      Mark: 20
- Q.01(ii)      Describe about the wetland management of Chilika lake as the regional experiences in era of climate change?      Mark: 20

### *Medium Answers Questions (within 150 words)*

- Q.02(i)      Justify 'Kerala' as a national model of Sustainable Development?      Mark: 15
- Q.02(ii)      Role of SHGs as an example of community led experiences responsible in achieving Sustainable Development Goals?      Mark: 15

### *Short Answers Questions                      (6 marks each)*      Mark: 30

- Q. 03      Write Short Notes on: (within 50 words)
- i) Civil Society Organization
  - ii) Cooperatives
  - iii) Volunteers
  - iv) Development of Smart Cities
  - v) Nepal as an example of Trans Himalayan Corridors (THC)