**Post Graduate Diploma in Sustainability Science**
**(PGDSS)**

**Assignments (ASSIGNMENT NO.: PGDSS/2020)**

**(2020)**



**School of Interdisciplinary and Transdisciplinary Studies**
# Indira Gandhi National Open University
**Maidan Garhi, New Delhi -110068**

Dear Learner,
You will have to do one assignment for each course. Each assignment carries 100 marks. **Irrespective of the year of registration you need to submit the latest assignments uploaded on the website.**

**INSTRUCTIONS**
1. Read the detailed instructions about assignments given in the Programme Guide.

2. The first page of your response sheet should look like this:

Programme code : PGDSS
Enrolment No…………………….
Name & Address (with e-mail and mobile number) ……………………………..
Course Code and Title………………………
Regional Centre ( code) …………………….
Study Centre ( code) …………………….

3. Use A-4 size papers for responses, write on both sides with margin, and secure all the pages carefully.

4. Write the question with each answer. **Each question to be answered in around 500 words in your own handwriting.**

5. **Last date for submitting the assignments for July Session is 30ᵗʰ March and for January Session is 30ᵗʰ September**.

6. Submit the assignment responses to the Coordinator, PGDSS.
    Programme Coordinator
    Post Graduate Diploma in Sustainability Science (PGDSS)
    Room No. 21A, Block 1
    Block 1, Indira Gandhi National Open University
    Maidan Garhi, New Delhi-110068

**GUIDELINES**

1. **Planning:** Read the assignments carefully. Go through the self learning material on which they are based. Make some points regarding each question and then rearrange them in a logical order.

2. **Organization:** Give attention to your introduction and conclusion. The introduction must offer your brief interpretation of the question and how you propose to develop it. The conclusion must summarize your response to the question. Make sure that your answer is: logical and coherent; has clear connections between sentences and paragraphs, and; is written correctly giving adequate consideration to your expression, style and presentation.

3. **Presentation:** Once you are satisfied with your answers, you can write down the final version for submission. Write each answer neatly and underline the points you wish to emphasize.

**Please contact the Programme coordinator for any academic help / clarification**
Dr. Y. S. C. Khuman: pgdss@ignou.ac.in/ysckhuman@ignou.ac.in

**ASSIGNMENT NO.: PGDSS/2020**

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<div align="center">

**MSD-011: Sustainability Science**

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**Course Code: MSD-011**
**Maximum Marks: 100**

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**Note:  This assignment is based on the entire course. Please answer in your own words; do not copy from the course material.**
**Answer all the questions. All questions carry 25 marks each.**

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1. Write an essay on concept and genesis of the term "Sustainable Development".
2. Explain the conceptual linkages between Sustainable Livelihood Security and modern welfare concepts.
3. Discuss the major issues and challenges of Natural Resource Management in India.
4. Explain the concept of Ethics and its different types.

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**MSD-012: Ecosystem and Natural Resources**

**Course Code: MSD-012**
**Maximum Marks: 100**

**Note: This assignment is based on the entire course. Please answer in your own words; do not copy from the course material.**
**Answer all the questions. All questions carry 25 marks each.**

1. Define the term 'Biodiversity'. Write a brief note on 'Biodiversity Hotspots'.
2. Discuss status of the availability and demand of water in India.
3. Explain the Earth-wisdom society concept as a solution to resource crunch problems.
4. What is Participatory Plant Breeding? Discuss the role of women in Agrobiodiversity conservation in India.

**MSD-013: Socio-cultural System**

**Course Code: MSD-013**
**Maximum Marks: 100**

**Note: This assignment is based on the entire course. Please answer in your own words; do not copy from the course material.**
**Answer all the questions. All questions carry 25 marks each.**

1. Define the term 'Cultural Ecology'. Explain the different approaches to understand cultural ecology.
2. What is 'Shifting Cultivation'? Explain its technical features and social organisation.
3. Write an essay on 'Eco-cosmology'.
4. Discuss the significance of participation in Empowerment in India.

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<div align="center"><b>MSD-014: Ecological Economics</b></div>

**Course Code: MSD-014**
**Maximum Marks: 100**

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**Note: This assignment is based on the entire course. Please answer in your own words; do not copy from the course material.**
**Answer all the questions. All questions carry 25 marks each.**

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1.  Explain the Environmental Kuznet Hypothesis.
2.  Discuss the concept of 'overshoot and danger of collapse'.
3.  What is 'Common Pool Resources'? Explain the major factors that leads to the deterioration of CPRs in India.
4.  Write an essay on Environment Policy Instruments to reduce pollution and degradation.

| **MSD-015: Institution, Governance and Policies** |
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| **Course Code: MSD-015**<br>**Maximum Marks: 100** |

**Note: This assignment is based on the entire course. Please answer in your own words; do not copy from the course material.**
**Answer all the questions. All questions carry 25 marks each.**

1. Write an essay on 'Evolution of Institutions and Institutional change'.
2. What are the major Features of Good Governance? Explain.
3. Describe the different steps in Environmental Impact Assessment (EIA).
4. Explain the major actions and strategies suggested by NEP, 2006.

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**MSD-016: Strategies and Models for Sustainability**

**Course Code: MSD-016**
**Maximum Marks: 100**

**Note: This assignment is based on the entire course. Please answer in your own words; do not copy from the course material.**
**Answer all the questions. All questions carry 25 marks each.**

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1. Define the term 'Infrastructure'. Explain the basic characteristics of infrastructure.
2. Explain the different steps involved in developing a 'Biovillage'.
3. What are the basic ecological foundations of 'Sustainable Eco-agriculture'? Explain.
4. Write an essay on 'livelihood patterns in Indian Himalayan Region'.

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## MSD-017: Challenges to Sustainable Development

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**Course Code: MSD-017**
**Maximum Marks: 100**

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**Note:  This assignment is based on the entire course. Please answer in your own words; do not copy from the course material.**
**Answer all the questions. All questions carry 25 marks each.**

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1. Write an essay on 'impact of climate change on water resources of India'.
2. Define 'Air Pollution'. Explain the major sources of air pollution in India?
3. Explain the importance of sanitation in achieving Sustainable Development.
4. What are the different phases of 'Disaster Management"? Explain.