

ASSIGNMENT NO.: MASS-1/PGDSS-2024 (TEE June 2024 and December 2024)

**Post Graduate Diploma in Sustainability Science (PGDSS)
And
Master of Arts in Sustainability Science (MASS)**

Assignments (ASSIGNMENT NO.: MASS-1/PGDSS-2024)

(2024)



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

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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:
 - **Assignment No.**
 - **Your name**
 - **Enrolment No.**
 - **Email (mandatory):**
 - **Phone No.**
 - **Second Page should have your IGNOU ID Card (Compulsory)**
 - **Third Page should have the assignment questions**
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 June Term End Examination is 30th March and for December Term End Examination is 30th September.**
6. Submit the assignment responses to the Coordinator, MASS.
 - Programme Coordinator
 - Master of Arts in Sustainability Science (MASS)
 - School of Interdisciplinary and Transdisciplinary Studies
 - Swami Vivekananda Block, Ground Floor
 - Maidan Garhi, New Delhi-110068

Note: In the Envelop, write the programme code PGDSS (for PGDSS) and MASS (for MASS)

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
: mass@ignou.ac.in

MSD-011: Sustainability Science

Course Code: MSD-011
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 ‘materialism and the changing lifestyles as threats to Sustainability’.
2. What are the central elements of Sustainability Science? Discuss the future and scope of Sustainability Science.
3. Define watershed Management. Explain its major approaches.
4. What is Gross National Happiness Index? Briefly explain its core dimensions?

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. Explain the concept 'Ecosystem Function' with suitable examples.
 2. What are the available soil types in your country? Explain.
 3. Write an essay on the mineral resources, use and management in your country.
 4. Discuss the major opportunities and challenges of promoting genetic diversity in your country with suitable examples.
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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 Political Ecology. Discuss any recent ecological movement in your country.
2. What is shifting Cultivation? Explain its salient features.
3. Explain the concept 'eco-cosmology' with suitable examples within your traditional belief systems.
4. Discuss the human rights and environmental protection relationship with suitable examples.

MSD-014: Ecological Economics

Course Code: MSD-014

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. Explain the different stages of Demographic Transition Model.
 2. Discuss 'the market-globalization-environmental degradation linkages' with suitable examples.
 3. Define the term Fragile Ecosystem. Explain the livelihood system in any one of the fragile ecosystem in your country.
 4. Explain the concept of Total Economic Values of Ecosystem Services.
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MSD-015: Institution, Governance and Policies

Course Code: MSD-015

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 Institutions. Explain the role of institutions in shaping the pattern of human interactions in the society.
2. What are the major barriers to Good Governance? Explain with suitable examples from your country.
3. Discuss the different features of Participatory governance with reference to your country.
4. Write an essay on the emergence of International Eco-politics.

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.

1. Define Infrastructure. Explain its key characteristics with suitable examples.
2. Write an essay on three tier knowledge Network.
3. Critically analyses the pathways to evergreen revolution with special reference to your country.
4. What is Integrated Farming System? Discuss its significance in improving the livelihood in your region.

MSD-017: Challenges to Sustainable Development

Course Code: MSD-017

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. Climate change is the biggest threat to sustainability. Elaborate this statement with special reference to your country.
2. Define energy crisis. Explain the available ecologically friendly alternatives to conventional energy sources in your country.
3. Write an essay on nutritional requirements and human life stages.
4. What is Biological Invasion? What are its ecological and economic impacts at local level.

MSD-019: Global Strategies to Sustainable Development

Course Code: MSD-018

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. Explain the major outcomes of Earth Summit.
2. What are the major indicators to check the global progress on Climate Action (SDG 13)? Explain any two with suitable examples.
3. Discuss progress of any two targets of SDG 6 (Clean water and Sanitation) and its indicators with reference to developing Countries.
4. Write an essay on the global progress in SDG 12: Responsible Consumption and Production.

MSD-020: Population, Health and Sustainability

Course Code: MSD-018

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. What is Demographic Transition? Discuss its significance in the area of sustainability studies.
2. Highlight the concerns of marginalised and disadvantaged group in achieving global sustainability.
3. Define the term Nutrition Security. Explain the common indicators of nutritional status.
4. Discuss the major issues and challenges of major pandemics and epidemics in India countries with suitable examples.