

**POST GRADUATE DIPLOMA
IN ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT
(PGDESD)**

**It is compulsory to submit the assignment before
filling in the examination form.**

(Valid from 1st January 2016 to 31st December, 2016)

Tutor Marked Assignments (TMA) for

MED-005

MED-006

MED-007

MED-008



**School of Sciences
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110068**

(2016)

Dear Student,

This booklet contains the assignments for MED-005, MED-006, MED-007 and MED-008. Each course has one assignment, which you need to complete and send us on the given address.

There will be one assignment for each course. You have to complete the assignments in time.

Assignment Submission Deadlines are as follows:

Cycle	Course	Deadlines
January	MED-001 to MED-004	March, 31 of the same year
	MED-005 to MED-008	September, 30 of the same year
July	MED-001 to MED-004	September, 30 of the same year
	MED-005 to MED-008	March, 31 of the next year

You will not be allowed to appear for the term-end examination for a course if you do not submit the assignment for each course within the deadlines given above. If you appear in the term-end examination of a course without submitting its assignment, the result of the term-end examination is liable to be cancelled/with held. It is compulsory to submit the assignment before filling in the examination form.

The assignments constitute the continuous component of the evaluation process and have 30% weightage in the final grading. You need to score 40% marks in assignments for each course in order to clear the continuous evaluation component.

Instructions for Formatting Your Assignments

1. You should specify clearly on the first page of all your assignment responses the course code, course title, assignment code, your enrolment number, name and address in the given format:

ENROLMENT NO.:

NAME :

ADDRESS:

.....

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COURSE CODE:

COURSE TITLE:

ASSIGNMENT CODE:

STUDY CENTRE CODE: DATE:

PLEASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE EVALUATION AND TO AVOID DELAY.

- 1 **The Assignment Response should be hand-written.** Use only A-4 or foolscap size writing paper (but not of very thin variety) for writing your answers.
 1. Leave at least 4 cm margin on the left, top and bottom of your answer sheet for the evaluator's comments.
 2. Your answers should be brief, precise and in your own words. **Please do not copy the answers from the study material.**
 3. Serious action will be taken if you copy the Assignment Response from any other student.
 4. While answering the questions, clearly indicate the question number along with the part being answered. Recheck your work before submitting it.

We recommend that you retain a copy of your assignment response to avoid any unforeseen situation.

Send your completed assignments to: Coordinator of your Study Centre of the respective Regional Centre where you are enrolled

Please write on the envelope "Assignment Response of" (Course code).

Wishing you all good luck!

TUTOR MARKED ASSIGNMENT
MED-005: Integrated Environmental Management: Rural and Urban

Course Code: MED-005
Assignment Code: MED-005/TMA/2016
Maximum Marks: 100

Note: * This assignment is based on the entire course.
* All questions are compulsory. Marks for the questions are shown within brackets on the right hand side.
* Please answer in your own words; do not copy from the course material.

1. Prepare a detailed account on the concept, principles and process of *Integrated Environment Management* (IEM). (20)
2. Describe *Integrated Coastal Management* and discuss how it can be applied to the South Asian Region. (20)
3. Critically examine the potential of various economic instruments in environmental management. (20)
4. Describe the stages in the development of environmental policy. What aspects need to be considered while developing an environmental policy for sustainable development? (20)
5. Discuss the concept and elements of sustainable agriculture. (10)
6. Present a plan for environment management and its protection in which you would play a key role. (10)

TUTOR MARKED ASSIGNMENT
MED-006: Natural Resource Management: Physical and Biotic

Course Code: MED-006
Assignment Code: MED-006/TMA/2016
Maximum Marks: 100

Note: * **This assignment is based on the entire course.**
* **All questions are compulsory. Marks for the questions are shown within brackets on the right hand side.**
* **Please answer in your own words; do not copy from the course material.**

1. (a) Briefly describe the three broad categories of natural resources. (3)
(b) What are important physiographic regions of India? Write a sentence or two about each of them. (7)
 2. (a) Discuss soil profile and its horizons with the help of a suitable diagram. (5)
(b) Compare the important characteristics of red soil and lateritic soil. (5)
 3. (a) What are fossil fuels? Briefly discuss their main types. (5)
(b) What are biofuels? How are these obtained? Give their main advantages. (5)
 4. (a) List various strategies for the conservation of natural resources. (5)
(b) Discuss genetic diversity and its importance. (5)
 5. (a) Describe important characteristics of tropical deciduous forests. (5)
(b) Define wetlands. Give their types and importance. (5)
 6. (a) Discuss the wildlife of the Indian desert. (5)
(b) Define hotspots and give a brief account of their locations. (5)
 7. (a) Give some examples of non-resource use and cultural significance of biodiversity. (5)
(b) List the causes of biodiversity loss in Asia. (5)
 8. (a) What are habitat based approaches to conserve biodiversity? Give their advantages and drawbacks. (5)
(b) Briefly discuss 'Tiger Reserves'. (5)
 9. (a) Describe the negative impacts of nature tourism. (5)
(b) Discuss the importance of buffer zones in protection of biodiversity. (5)
 10. (a) Give the salient features of Wildlife Protection Act, 1972. (5)
(b) What is Bonn Convention? Give its aims. (5)
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TUTOR MARKED ASSIGNMENT
MED-007: Agriculture and Environment

Course Code: MED-007
Assignment Code: MED-007/TMA/2016
Maximum Marks: 100

Note: * **This assignment is based on the entire course.**
* **All questions are compulsory. Marks for the questions are shown within brackets on the right hand side.**
* **Please answer in your own words; do not copy from the course material.**

1. a) What is land degradation? Discuss four processes related to land degradation. (5)
- b) Describe the traditional indigenous nutrient management practices, used in agriculture. (5)
2. Write short notes on the following : (3x5=15)
 - a) Benefits of communication and information technology to farming community.
 - b) Measures for achieving sustainable agriculture.
 - c) Strategies to mitigate drought conditions.
3. Differentiate between the following pairs : (4x5=20)
 - a) Shelter belts and Windbreaks
 - b) Agroforestry and Social forestry
 - c) Composting and Vermicomposting.
 - d) Food Security and Ecological Security.
4. What is enhanced greenhouse effect? Discuss the impact of climate change on agriculture in terms of irrigation water, soil resources and livestock. (10)
5. a) Define a farming system. Discuss any four advantages of integrated farming systems. (5)
- b) What is the difference between integrated farming and organic farming? Which one of the two farming systems is sustainable under Indian conditions in your opinion and why? (5)
6. What is Integrated Pest management (IPM)? Discuss the cultural and biological control methods adopted in IPM. (15)
7. What is alternate agriculture? Discuss briefly the products of honey bees and lac insect. (10)
8. Discuss the environmental impacts of Green Revolution. (10)

TUTOR MARKED ASSIGNMENT
MED-008: Globalisation and Environment

Course Code: MED-008
Assignment Code: MED-008/TMA/2016
Maximum Marks: 100

- Note:**
- * This assignment is based on the entire course.
 - * All questions are compulsory. Marks for the questions are shown within brackets on the right hand side.
 - * Please answer in your own words; do not copy from the course material.
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1. Discuss the causes and consequences of natural disasters like cyclone and tsunami. (10)
 2. Write short notes on the following terms giving suitable examples: (5+5=10)
 - a) Hazard
 - b) Disaster
 3. Have MNC's and TNC's increased the gap between developed and developing countries. Explain how. (10)
 4. Describe the following terms in brief: (2x5=10)
 - a) Treaty
 - b) Protocol
 - c) Declaration
 - d) Summit
 - e) Conference
 5. Give an account of the Stockholm and Rio Declaration on environment. (5+5=10)
 6. Discuss the role of UN agencies towards environmental management. (10)
 7. What are the indicators of food security? Explain with examples how economic reforms can improve food security in developing countries. (10)
 8. Explain what is meant by Green Technologies and state its important characteristics. (10)
 9. Give an account of India's initiative towards clean environment since independence. (10)
 10. Describe the consequences of micronutrient deficiencies. (10)
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