

ASSIGNMENT BOOKLET-2

2

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 2025 to 31st December, 2025)

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**

(2025)

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 at the given address.

There will be one assignment for each course. You have to complete the assignments on 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/withheld. 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:

.....

COURSE CODE:

COURSE TITLE:

ASSIGNMENT CODE:

STUDY CENTRE CODE:

DATE:

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

2. **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.

3. Leave at least 4 cm margin on the left, top and bottom of your answer sheet for the evaluator's comments.
4. Your answers should be brief, precise and in your own words. **Please do not copy the answers from the study material.**
5. Serious action will be taken if you copy the Assignment Response from any other student.
6. 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/2025
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.**
 - * **Write the answers in about 250 words for 5 marks questions and not exceeding 500 words for 10 marks questions.**
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1. Explain how sustainable development led to the idea of integrated environment management. (10)
2. Analyse the measures for alleviating poverty in rural area. (10)
3. Suggest any five individual and community initiatives for improving urban environments. What initiatives can you take in your area? (10)
4. Describe the concept of joint forest management. Give the background for its emergence. What are the challenges faced by joint forest management in India? (10)
5. Explain cost benefit analysis and how it can be applied to environmental management? (10)
6. Name the two important NGOs of international repute in the field of environment and describe their principal activities. (10)
7. Discuss the political and economic constraints on policy making (10)
8. Write short notes on the following (not exceeding 200 words): (5x6=30)
 - a) Industrial waste management
 - b) Environmental carrying capacity
 - c) Feminism and feminist movements
 - d) Biocentrism and ecocentrism
 - e) Environmental equity
 - f) Role of civil society in environmental management

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

Course Code: MED -006
Assignment Code: MED -006/TMA/2025
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) Explain various types of fertile soils in the Indian context. (5)
(b) Give a brief account of major rivers of India. (5)
2. (a) List the adverse effects of soil salinity and alkalinity. (5)
(b) Describe water resources and problems associated with them in the Indian scenario. (5)
3. (a) Discuss the importance of solar energy giving its advantages. (5)
(b) What is rock cycle? Briefly explain three types of rocks. (5)
4. (a) List various strategies which can be used to conserve water. (5)
(b) What is species richness? Briefly explain its various types. (5)
5. (a) Discuss important features of Tundra biome. (5)
(b) Describe various zones of a lake biome. (5)
6. (a) Explain cultural and religious values of biodiversity giving suitable examples. (5)
(b) Discuss the importance of biodiversity in providing plant and animal food. (5)
7. (a) How does biodiversity help in maintenance of soil, air and water quality? Explain. (5)
(b) Explain various factors causing habitat loss. (5)
8. (a) What are the causes of extinction of species? Discuss briefly. (5)
(b) What is species based approach of conserving biodiversity? Also give its disadvantages. (5)
9. (a) Discuss the main characteristics of biosphere reserves. (5)
(b) Explain the social and economic strategies of conserving biodiversity. (5)
10. (a) Define buffer zones. Discuss their importance in protecting biodiversity. (5)
(b) What is CITES? Give its important aspects. (5)

TUTOR MARKED ASSIGNMENT
MED-007: Agriculture and Environment

Course Code: MED-007
Assignment Code: MED-007/TMA/2025
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. How loss of agro-biodiversity affects the nutrition of developing countries? (5+5=10)
Discuss the key principles to conserve and enhance agro-biodiversity.
2. Describe the approaches of sustainable agriculture. (10)
3. a) Describe the various ways in which off-farm inputs affect air quality. (5+5=10)
b) Give at least three reasons why deforestation is considered one of the important reasons for loss of global biodiversity?
4. What is environmental stress? Describe two major environmental stresses in plants? (10)
5. Outline the measures the respective governments can take to accelerate the growth of agricultural sector in the South Asian countries. (10)
6. Explain the role of integrated farming system in sustaining overall agricultural production. (10)
7. What is organic farming? Describe its various steps. (10)
8. Discuss the various dimensions of technology transfer and the appropriate technologies for resource poor farmers. (10)
9. Describe any five components of alternative agriculture. (10)
10. Discuss the merits of post harvest technology and explain the measures required to use this technology for attaining better environmental quality and improved productivity. (10)

TUTOR MARKED ASSIGNMENT
MED-008: Globalisation and Environment

Course Code: MED-008
Assignment Code: MED-008/TMA/2024
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. Briefly discuss the role of technology and trade and finance capital on the current phase of globalisation. (10)
2. Define the following terms: (2x5=10)
 - a) Earthquakes
 - b) Floods
 - c) Drought
 - d) Cyclone
 - e) Tsunami
3. Write a note on The Convention of Biodiversity. (10)
4. Write short notes on the following: (3.5+3.5+3=10)
 - i. Alternate Technologies
 - ii. Environmental Standards
 - iii. TNCs
5. Discuss the environmental concerns of South Asia with special reference to Pakistan. (10)
6. Differentiate between NGOs and People's Initiatives. Write a brief note on Swadhyaya movement. (10)
7. Discuss briefly the positive and negative effects of globalisation. (10)
8. Write short notes on the following: (5x6=30)
 - i. Micronutrient Deficiencies
 - ii. Green Consumerism
 - iii. Environmentally Sound Technologies
 - iv. Environmentally Impact Assessment
 - v. Social Awareness
 - vi. Environmental Legislations