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 2026 to 31st December, 2026)

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

(2026)

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-007: Agriculture and Environment

Course Code: MED-007
Assignment Code: MED-007/TMA/2026
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. In your opinion, what are the major issues involved in the implementation of IPM? How can different components of IPM be integrated for its effective implementation? (10)

2. What is alternate agriculture? Discuss briefly the products of honey bees and lac insect. (10)

3. (a) What do the terms open and closed mean in relationship to nutrient cycles? (5)

   (b) Why are agro ecosystems relatively open with respect to nutrient cycles? (5)

4. (i) Explain the elements of integrated farming? (5)

   (ii) Explain organic agricultural system. (5)

5. What do you understand by ecological security? Outline the factors that threaten ecological security. (10)

6. What do you understand by sustainable land use? List the major challenges in implementation of sustainable land use. (10)

7. (i) List at least *four* management options to manage water logged lands. (5)

   (ii) What do you understand by the term drought? Briefly describe the three strategies to mitigate drought conditions. (5)

8. Discuss the measures the respective governments can take to accelerate the growth of agricultural sector in the South Asian countries. (10)

9. Explain the impact of ozone layer depletion and rising carbon dioxide on agriculture. (10)

10. Explain the various energy conservation measures to be adopted during crop production. (10)