

**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 to 31st December, 2015)

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 - 110 068**

(2015)

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/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

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 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.
2. Leave at least 4 cm margin on the left, top and bottom of your answer sheet for the evaluator's comments.
3. Your answers should be brief, precise and in your own words. **Please do not copy the answers from the study material.**
4. Serious action will be taken if you copy the Assignment Response from any other student.
5. While answering the questions, clearly indicate the question number along with the part being answered. Recheck your work before submitting it.
6. **You cannot fill the exam form for this course until you have submitted this assignment.**

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: Urban and Rural

Course Code: MED-005
Assignment Code: MED-005/TMA/2015
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. Elucidate the concept of integrated environmental management. Explain its goals, principles and process. (20)
2. How the twin goals of eradicating rural poverty and improving the rural environment be met? Elaborate. (20)
3. What are the challenges in the management of environment in cities of third world countries? (10)
4. Prepare an account on management of soil for sustainable agriculture. (10)
5. Describe the roles of any two international organisations in environmental management. (10)
6. Discuss the issues that are required to be considered for attaining environmental equity. (10)
7. What basic aspects one must pay attention to while creating environmental awareness in a society? (10)
8. Discuss the strategies for disposal of industrial wastes in environmentally sustainable manner. (10)

TUTOR MARKED ASSIGNMENT
MED-006: Natural Resource Management

Course Code: MED-006
Assignment Code: MED-006/TMA/2015
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 are main sources of water in India? Briefly discuss about major rivers of India. (5)
(b) Briefly describe the mineral resources of India. (5)
2. (a) List the adverse effects of saline soils. (5)
(b) What is an aquifer? Explain two types of aquifers. (5)
3. (a) What is rock cycle? Explain briefly three types of rocks. (5)
(b) List the steps involved in making a mineral resource available for use. (5)
4. (a) What are main reasons of deforestation? How has it affected the environment? (5)
(b) What is biodiversity? Give its various definitions. List different levels of biodiversity. (5)
5. (a) What is species richness? Briefly explain its major categories. (5)
(b) Briefly discuss the salient features of Tundra. (5)
6. (a) What are coral reefs? What are its three major types? (5)
(b) What is meant by carbon sequestration? Briefly give various methods by which carbon sequestration can be done. (5)
7. (a) Explain the importance of biodiversity in providing raw material for industry. (5)
(b) How has hunting and export of animals caused reduction in their number? (5)
8. (a) What do you understand by National Parks? Give the IUCN definition of national park. (5)
(b) What are seed banks? Discuss the important of seed banks in the conservation of biodiversity. (5)
9. (a) How is over-abundant population managed? (5)
(b) Discuss the role management plans to conserve the biodiversity. (5)
10. (a) Explain the salient features of Ramsar conservation. (5)
(b) Give the full form of the following: (5)
 - (i) WTO TRIPS
 - (ii) UPOV
 - (iii) CBD
 - (iv) CITES
 - (v) UNCCD

TUTOR MARKED ASSIGNMENT
MED-007: Agriculture and Environment

Course Code: MED-007
Assignment Code: MED-007/TMA/2015
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. Discuss the effects of climate change on agriculture. (10)
2. Discuss various approaches for practicing sustainable agriculture. (10)
3. Explain surface and ground water resources and their interdependence. (10)
4. Describe soil erosion processes and ways and means to prevent and control soil erosion. (10)
5. Discuss ecofriendly and economically profitable ways of managing the agri-resources. (10)
6. Discuss the future possibilities of integrated farming systems in providing food security in South Asian region. (10)
7. 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)
8. Discuss the policy measures required to boost agricultural productivity and rural prosperity. (10)
9. Describe the indigenous and traditional methods of application and conservation of plant nutrients contained in agricultural wastes. (10)
- 10 Explain the various dimensions of technology transfer and the appropriate technologies for resource poor farmers. (10)

TUTOR MARKED ASSIGNMENT
MED-008: Globalisation and Environment

Course Code: MED-008
Assignment Code: MED-008/TMA/2015
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. Discuss the different aspects of globalisation in the context of environment. (15)
2. What are man-made disasters? Discuss their various consequences. (3+7)
3. Discuss the impact of trade related treaties on environment. (15)
4. Analyse the implications of strong environmental standards for the development prospects of the south. (10)
5. Critically examine the interrelationship of NGOs and socio-political movements. (15)
6. Discuss the alternatives of the present form of globalisation. (10)
7. What do you mean by biodiversity? Discuss the need for the conservation and protection of biodiversity. (3+12)
8. Discuss the need for evolving an environmental ethics which lead to the better respect and protection of environment. (10)