

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 2020 to 31st December, 2020)

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**

(2020)

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

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/2020
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. With the help of a clear and labelled diagram explain the concept of sustainable development. (10)
2. Write a detailed account on National Environmental Quality Standards (NEQS), and mention its benefits. (10)
3. Discuss the elements of sustainable forest management under the following heads: reforestation, management of forest fires, rotation time, and conservation of growths. (20)
4. Evaluate the role of environmental sociology for integrated environmental management (1000 words). (20)
5. Describe in about 1000 words different dimensions of people's involvement and empowerment towards integrated environmental management. (20)
6. Enlist and describe the various legislative instruments for integrated environmental management. (20)

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

Course Code: MED -006
Assignment Code: MED -006/TMA/2020
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) How are various types of natural resources classified? Briefly explain each type along with a suitable example. (5)
(b) Why are forests considered as an important resource? Explain. (5)
2. (a) What are problem soils? Briefly explain the problems associated with them. (5)
(b) Discuss what will happen if there is too much water. Cite some recent examples preferably related to your area. (5)
3. (a) Explain the process of origin of coal. Give some examples of coal resources of India. (5)
(b) How is wind energy useful? What are the operational issues associated with the generation of wind energy? (5)
4. (a) Discuss the consequences of overexploitation of natural resources. (5)
(b) State and explain various definitions of biodiversity. (5)
5. (a) How can ecosystem diversity be pressured? Explain the challenges involved in it. (5)
(b) Explain salient features of wetlands and estuaries. (5)
6. (a) What type of wildlife is present in the eastern, western and central zone of the Himalayan zone? (5)
(b) Discuss aesthetic value of biodiversity giving suitable examples. (5)
7. (a) What is wood? Explain its importance and sources. (5)
(b) How does biodiversity maintain the soil, air and water quality? (5)
8. (a) Differentiate between endangered species and rare species giving suitable examples. (5)
(b) What is natural extension of species? Explain giving the factors responsible for it. (5)
9. (a) How can joint forest management help in biodiversity conservation? Explain. (5)
(b) Explain main characteristics of biosphere reserves. (5)
10. (a) What are buffer zones? How are they important? (5)
(b) What are genetically modified organisms? How are they obtained? Give some examples and benefits of producing GMOs. (5)

TUTOR MARKED ASSIGNMENT
MED-007: Agriculture and Environment

Course Code: MED-007
Assignment Code: MED-007/TMA/2020
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. “Agricultural *waste* is contradiction in terms.” Comment. (10)
2. (a) Define sustainable agriculture. Discuss similarities between sustainable agriculture and IPM. (5)
- (b) What are off-farm inputs in agriculture and how these affect air quality? (5)
3. Differentiate between the following pairs : (10)
- (a) Shelter belts and Windbreaks
- (b) Agro Forestry and Social Forestry
- (c) Apiculture and Sericulture
- (d) Natural Ecosystem and Agro Ecosystem
4. What is sustainable land use? Describe the major challenges in implementation of sustainable land use. (10)
5. (i) List at least *four* management options to manage water logged lands. (5)
- (ii) What is meant by the term drought? Briefly describe the three strategies to mitigate drought conditions. (5)
6. Discuss the measures the respective governments can take to accelerate the growth of agricultural sector in the South Asian countries. (10)
7. What are the major socio-economic factors that influence the agricultural sector in India? Explain. (10)
8. Explain the impact of ozone layer depletion and rising carbon dioxide on agriculture. (10)
9. Explain the various energy conservation measures to be adopted during crop production. (10)
10. What is ecological security? Explain the factors that threaten ecological security. (10)

TUTOR MARKED ASSIGNMENT
MED-008: Globalisation and Environment

Course Code: MED-008
Assignment Code: MED-008/TMA/2020
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. Explain the role of technology, trade, capital and climate in the changing nature of globalization. (5x4=20)
2. Give an account of natural disasters with suitable examples. (20)
3. Briefly explain the indicators of food security. Explain how economic reforms impacted food security? (10+10=20)
4. Give an account of environmental concerns of countries of South Asian Region. (20)
5. Write short notes on the following: (4x5=20)
 - a) El Nino
 - b) Chilka Bachao Andolan
 - c) Biodiversity
 - d) Green Business