

**PGDDM**

**POST GRADUATE DIPLOMA IN DISASTER MANAGEMENT**

**ASSIGNMENTS 2021**

**For January 2021 and July 2021 Sessions**



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

## POST GRADUATE DIPLOMA IN DISASTER MANAGEMENT

Dear Student,

As we explained in the Programme Guide for Post Graduate Diploma in Disaster Management, you will have to do one Tutor Marked Assignment (TMA) for each four-credit course.

Each assignment consists of Sections I and II. There are five questions in each section. You have to answer a total of five questions in about 400 words each. You have to attempt at least two questions from each section. You will find that the questions in the assignments are analytical and descriptive so that you can better understand and comprehend the concepts.

Before you attempt the assignments, please read the instructions carefully provided in the Programme Guide. It is important that you write the answers to all the TMA questions in your own words. Your answers should be within the approximate range of the word-limit set for each question. Remember, writing answers to assignment questions will improve your writing skills and prepare you for the term-end examination.

You are to submit the assignments to the Coordinator of your Study Centre. You must obtain a receipt from the Study Centre for the assignments submitted and retain it with you. It is desirable to keep a photocopy of the assignments submitted by you.

Once evaluated, the Study Centre will return the assignments to you. Please insist on this. The Study Centre will send the marks to the IGNOU Regional Centre concerned and the latter shall send it to SE Division at IGNOU, New Delhi.

### Submission:

You need to submit the assignment within the stipulated date for being eligible to appear in the term-end examination.

The completed assignments should be sent as per the following schedule.

Assignment	Date of Submission	Whom to send
MPA-001 MPA-002 MPA-003 MPA-004 MPA-005 MPA-006 MPA-007  MED-004 (only for the students who are opting this Course in lieu of Project Work)	September 30, 2021 for January 2021 Batch  March 31, 2022 for July 2021 Batch	To The Coordinator of the Study Centre allotted to you

## GUIDELINES FOR DOING ASSIGNMENT

We expect you to answer each question as per instructions in the assignment. You will find it useful to keep the following points in mind:

1) **Planning:** Read the assignment carefully, go through the Units on which they are based. Make some points regarding each question and then rearrange them in a logical order.

2) **Organisation:** Be a little selective and analytical before drawing up a rough outline of your answer. Give adequate attention to question's introduction and conclusion.

Make sure that:

a) The answer is logical and coherent.

b) It has clear connections between sentences and paragraphs.

c) The presentation is correct in your own expression and style.

3) **Presentation:** Once you are satisfied with your answer, you can write down the final version for submission. **It is mandatory to write the assignment neatly in your own handwriting.** If you so desire, you may underline the points you wish to emphasise. Make sure that the answer is within the stipulated word limit. Do not type the assignments.

Wishing you all the best,

**Prof. Uma Medury & Prof. Dolly Mathew**  
**Programme Coordinators**

**MPA-001: UNDERSTANDING NATURAL DISASTERS  
(TMA)**

**Course Code: MPA-001  
Assignment Code: Asst/TMA/2021**

**Marks: 50**

**This assignment consists of Sections I and II. There are five questions in each section. You have to answer a total of five questions in about 400 words each. It is necessary to attempt at least two questions from each section. Each question carries 10 marks.**

**Section -I**

- |   |    |
|---|----|
| 1) Describe the various types of natural disasters.   | 10 |
| 2) Write a note on disaster management in India.  | 10 |
| 3) What measures would you suggest for disaster mitigation in drought prone areas of Rajasthan? | 10 |
| 4) Analyse the role of State Government in case of Orissa super cyclone 1999.                   | 10 |
| 5) Highlight the lessons learnt on the basis of past experiences of earthquakes.                | 10 |

**Section – II**

- |   |    |
|---|----|
| 6) Discuss the causes of landslides and suggest necessary measures for disaster mitigation.                               | 10 |
| 7) Describe the volcanic hazard mitigation and management practices.  | 10 |
| 8) 'Effective coastal zone management and response strategies can lessen the adverse impacts of sea level rise.' Examine. | 10 |
| 9) Explain the causes and impacts of cold and heat waves.   | 10 |
| 10) Write a note on the impact of climate change on agriculture.  | 10 |

**MPA-002: UNDERSTANDING MAN-DISASTERS  
(TMA)**

**Course Code: MPA-002  
Assignment Code: Asst/TMA/2021  
Marks: 50**

**This assignment consists of Sections I and II. There are five questions in each section. You have to answer a total of five questions in about 400 words each. It is necessary to attempt at least two questions from each section. Each question carries 10 marks.**

**Section -I**

- 1) 'There is little scope for forecasting or warning in case of man-made disasters.' Discuss. 10
- 2) What are the major causes and impacts of chemical disasters? 10
- 3) Describe the specific factors, which are contributing to vulnerability of biological disasters. 10
- 4) Explain the various types of building fires in urban areas and highlight basic precautionary measures to be followed for disaster mitigation. 10
- 5) Discuss the causes and impacts of coal fire. 10

**Section – II**

- 6) 'Prevention, detection and suppression are important steps in forest fire management.' Elaborate.10
- 7) Discuss the ecological effects of air pollution. 10
- 8) Describe the causes and impacts of deforestation. 10
- 9) Examine the causes of road accidents and suggest necessary measures to mitigate these disasters. 10
- 10) Highlight the risk reduction measures and post-disaster needs in case of air accidents. 10

**MPA-003: Risk Assessment and Vulnerability Analysis**  
**Assignment**  
**TMA**

**Course Code: MPA-003**  
**Assignment Code: Asst/TMA/2021**  
**Marks: 50**

**This assignment consists of Section-I and Section-II. There are five questions in each section. You have to answer a total of five questions in about 400 words each. It is necessary to attempt at least two questions from each section. Each question carries 10 marks.**

**SECTION – I**

- |   |    |
|---|----|
| 1) Define Vulnerability and discuss its various factors.                  | 10 |
| 2) Define Risk and discuss various elements at Risk.                      | 10 |
| 3) Discuss the role of Science and Technology in Disaster Risk Reduction. | 10 |
| 4) Discuss analytical systems for risk assessment.                        | 10 |
| 5) Examine participative risk assessment methods.                         | 10 |

**SECTION II**

- |   |    |
|---|----|
| 6) 'Poverty and Vulnerability are co-related.' Discuss.           | 10 |
| 7) Bring to light socio-economic determinants of disaster loss.   | 10 |
| 8) 'Urban planning comprises various issues'. Comment             | 10 |
| 9) Describe cyclone preparedness with special reference to India. | 10 |
| 10) Write a note on hazard resistant design techniques.           | 10 |

## **MPA-004: DISASTER PREPAREDNESS**

### **Assignment**

### **TMA**

**Course Code: MPA-004**

**Assignment Code: Asst/TMA/2021**

**Marks: 50**

**This assignment consists of Section-I and Section-II. There are five questions in each section. You have to answer a total of five questions in about 400 words each. It is necessary to attempt at least two questions from each section. Each question carries 10 marks.**

### **Section-I**

1. Discuss measures towards effective disaster management. 10
2. Write a note on the concept and significance of disaster preparedness plan. 10
3. Analyse the role of women in disaster preparedness activities 10
4. ‘The community -based preparedness plan requires several types of activities in pre-disaster, during -disaster and post -disaster phases- Elaborate. 10
5. Examine the components and strategies of Information, Education, Communication and Training in fostering disaster preparedness. 10

### **Section II**

6. Examine the role of international agencies in disaster preparedness. 10
7. Discuss the role of remote sensing in managing disasters. 10
8. ‘Disaster mitigation tools include measures to address prevention goals’ –Elaborate. 10
9. Write a note on social cost benefit analysis. 10
10. Write short notes on each of the following in 200 words each:
  - (a) Ham Radio 5
  - (b) Media Management 5

**MPA-005: DISASTER RESPONSE  
(TMA)**

**Course Code: MPA-005  
Assignment Code: Asst/TMA/2021**

**Marks: 50**

**This assignment consists of Sections I and II. There are five questions in each section. You have to answer a total of five questions in about 400 words each. It is necessary to attempt at least two questions from each section. Each question carries 10 marks.**

**Section -I**

- 1) Explain the importance of communication and its techniques in activation of emergency plans. 10
- 2) Discuss the various types of assessments done during disaster situations. 10
- 3) Describe the administrative structure for disaster response at the national level. 10
- 4) Examine the pattern of deployment of armed forces in disaster situations. 10
- 5) Write a note on role of youth organisations in managing disasters. 10

**Section – II**

- 6) Management of human behaviour and response in disaster situations assumes importance- Analyse. 10
- 7) Discuss the symptoms and types of stress. 10
- 8) Bring out a comprehensive view of the concept of panic. 10
- 9) Examine the minimum standards in food aid. 10
- 10) Write a note on important aspects of relief management in India 10



**MPA-006: Disaster Medicine**  
**Assignment**  
**TMA**

**Course Code: MPA-006**  
**Assignment Code: Asst./TMA/2021**  
**Marks : 50**

**This assignment consists of Section-I and Section-II. There are five questions in each Section. You have to answer a total of five questions in about 400 words each. It is necessary to attempt at least two questions from each Section. Each question carries 10 marks.**

**Section-I**

1. Explain various epidemiological methods in medical and health response to disasters. 10
2. Highlight the sanitation and hygiene measure for prevention of health risks during disasters. 10
3. Discuss hospital plan in medical preparedness. 10
4. Write a note on various components of logistics management. 10
5. Describe the medical infrastructure in remote areas and also its assets and difficulties in disaster situations. 10

**Section-II**

6. 'Education and training are vital components in bringing in awareness to the communities in disaster times.'  
Elaborate. 10
7. Write a note about the standing operating procedures for medical and paramedical staff in emergency situations. 10
8. Explain medical and health response to floods. 10
9. Examine the role of Geographical Information System and Remote Sensing in medical and health response at times of disasters. 10
10. Discuss the various follow-up activities that help in reducing stress symptoms and promote post disaster readjustment. 10

**MPA-007: Rehabilitation, Reconstruction and Recovery**  
**Assignment**  
**TMA**

**Course Code: MPA-007**  
**Assignment Code: Asst/TMA/2021**  
**Marks: 50**

**This assignment consists of Section-I and Section-II. There are five questions in each section. You have to answer a total of five questions in about 400 words each. It is necessary to attempt at least two questions from each section. Each question carries 10 marks.**

**SECTION I**

- |   |    |
|---|----|
| 1) Examine the relationship between disasters and development.                    | 10 |
| 2) Discuss the significance of effective electronic media for managing disasters. | 10 |
| 3) Write a brief note on various parameters of vulnerability.                     | 10 |
| 4) Describe the role of international donor agencies in disaster management.      | 10 |
| 5) Explain the impact of floods on housing and infrastructure.                    | 10 |

**SECTION II**

- |  |    |
|--|----|
| 6) Write a note on the various building codes and standards for disaster resilient construction.   | 10 |
| 7) Discuss the role of governmental and non-governmental agencies in post-disaster reconstruction. | 10 |
| 8) Bring out the importance of people's participation in disaster rehabilitation.                  | 10 |
| 9) Briefly discuss the concept of disaster recovery planning.                                      | 10 |
| 10) Discuss the role of Civil Society Organisations in information dissemination.                  | 10 |

**MED-004: Towards Participatory Management**  
**Assignment**  
**TMA**

**Course Code: MED-004**  
**Assignment Code: Asst/TMA/2021**  
**Marks: 50**

**This assignment consists of Section-I and Section-II. There are five questions in each Section. You have to answer a total of five questions in about 400 words each. It is necessary to attempt at least two questions from each Section. Each question carries 10 marks.**

**SECTION I**

- 1) Discuss the National Conservation Strategy in Pakistan along with the broad approaches to its development. 10
- 2) Write a note on participatory development along with the principles and constraints to participation. 10
- 3) 'The 'content of change' and 'contexts of change' are strategies that intend to change the attitude and professional ideology as well as restructure the organisational setup of the government.' Elaborate. 10
- 4) Describe the policy trends in joint forest management. 10
- 5) Elucidate the essential elements of integrated coastal management. 10

**SECTION II**

- 6) Highlight the programme details of Orangi Pilot Project. 10
- 7) Discuss the role of women in environment and development. 10
- 8) Explain mountain ecosystem. 10
- 9) What is participatory approach and participatory irrigation management? 10
- 10) Expound the South Asia Co-operative Environment Programme with its aims and mission, organisation structure, and functions. 10