



ଓଡ଼ିଶା ରାଜ୍ୟ ମୁକ୍ତ ବିଶ୍ୱବିଦ୍ୟାଳୟ
Odisha State Open University
Established by an Act of Government of Odisha

ASSIGNMENT – 1 to 6

ACADEMIC SESSION: 2020-21

DISASTER MANAGEMENT

Please read the instructions carefully before attempting assignment questions.

INSTRUCTIONS FOR DOING ASSIGNMENTS

Dear Learner,

Welcome to the Disaster Management Programmes offered by Odisha State Open University, Sambalpur.

You are required to submit one assignment for 4 credit course within the stipulated time in order to become eligible to appear in the Term-End Examination. The assignments will be evaluated by the counsellors at your Study Centre. Please submit your assignment response to Coordinator of the Study Centre. Before you attempt the assignments, please go through the course materials carefully. Please read the instructions pertaining to an assignment before your start writing your answer. Do not copy from the course material or from any other source. You are advised to read the material carefully, understand the same and write answers in your own language and style so that you will get good marks/grades.

Purpose of Assignments:

1. Assignments are part of the continuous evaluation process in Open and Distance Learning (ODL) system. Due weightage is given to the marks/grades you obtain in assignments. This will help you for better performance in the term-end examination. If you secure good grades/marks in assignments, your overall performance will improve.

2. Assignments are also a part of the teaching-learning process in ODL. Your assignment, after evaluation, will be returned back to you with specific and general comments by the evaluator. This will help you to know your strength as well as your weakness. Thus, it will establish a two-way communication between learner and evaluator.

How to Write Assignments:

Please read the instructions for writing the response of an assignment before you start writing your answer.

1. Write your name, programme code, the course title, enrolment no. and study centre name with code in the top sheet of the assignment answer booklet. The format is given below.

PROGRAMME TITLE: _____

ENROLMENT No.: _____ **NAME:** _____

ADDRESS: _____

COURSE CODE: _____ **COURSE TITLE:** _____

ASSIGNMENT CODE: _____ **STUDY CENTRE:** _____

DATE: _____ **SIGNATURE:** _____

2. Before attempting the assignments, please go through the course materials carefully, understand the same and write answers in your own language and style.
3. **Write the answers in your own handwriting.** Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page. Your handwriting should be neat and readable.

4.

Weightage for each assignment:

1. Each assignment will carry 25% weightage and term-end examination will carry 75% weightage.
2. Each assignment will be of 100 marks. But it will carry 25% weightage. You have to score minimum pass mark i.e. 40% in each assignment. In case you do not submit assignment or get fail mark in assignment you have to re-submit in the next year.

SUBMISSION DATES FOR ASSIGNMENTS

Course Code	Course Title	Date of Submission	Day as per Calendar
SEMESTER – I			
DM - 01	Introduction to Disaster Management	28 th February 2021	Sunday
DM - 02	Geographical Information System and ICT in Disaster Management	28 th February 2021	Sunday
DM - 03	Risk Assessment and Vulnerability Analysis	28 th February 2021	Sunday
SEMESTER – II			
DM - 04	Disaster Preparedness and Response	28 th February 2021	Sunday
DM - 05	Recovery, Rehabilitation and Reconstruction	28 th February 2021	Sunday
DM - 06	Reporting, Information and Documentation in Disasters	28 th February 2021	Sunday

ASSIGNMENT-1

Course: I (Introduction to Disaster Management)

Total Credit: 6

Full Marks: 100

(Answer **all** questions from Group-‘A’, Group –‘B’, Group-C and Group-D.)

GROUP ‘A’

Q.1. Answer all the questions, each within one word or one sentence (10 x 1 mark=10)

- i) From where does the term ‘Disaster’ originated?
- ii) When very severe cyclone Phailin was occurred?
- iii) What is UNFCCC?
- iv) Name any one of the elements at risk?
- v) When Bhuj (Gujarat) Earthquake was occurred?
- vi) According to seismic zones, in which zone does Odisha falls?
- vii) What is dominant approach in disaster management?
- viii) What is a cloud burst?
- ix) Give one example of tropical cyclone of India?
- x) What is a flash flood?

GROUP ‘B’

Q.2. (Answer all questions each within 100 words) (4 x 5 marks=20)

Write Short Notes on :

- i) Disaster Management Cycle
- ii) Air pollution
- iii) Drought
- iv) Nuclear Disaster

GROUP ‘C’

Q.3. (Answer all questions each within 200 words) (4 x 10 marks=40)

- (i) Give a detailed description about Global Warming?
- (ii) Give a detailed description about Tsunamis?
- (iii) Give a detailed description about deforestation as one of the man-made disaster?
- (iv) Give a detailed description about Ozone depletion?

GROUP ‘D’

No.4 (Answer all questions each within 300 words) (2 x 15 marks=30)

- (i) Describe the nature, importance and scope of disaster management in details?
- (ii) What do you mean by ‘Man made Disaster’? Mention about different types of Man made Disasters?

ASSIGNMENT-2

Course: II (Geographical Information System and ICT in Disaster Management)

**Total Credit: 6
Full Marks: 100**

(Answer all questions from Group-'A', Group -'B', Group-C and Group-D.)

GROUP 'A'

Q.1. Answer all the questions, each within one word or one sentence (10 x 1 mark=10)

- i) Define remote sensing.
- ii) What is Spectral Resolution
- iii) What is LIDAR
- iv) What is Microwave sensing
- v) What is a HAM Radio
- vi) What is RAM in computers
- vii) What is LAN port
- viii) What is VGA card
- ix) What is application software
- x) What is navigation pane

GROUP 'B'

Q.2. (Answer all questions each within 100 words) (4 x 5 marks=20)

Write Short Notes on:

- i) Use of Internet
- ii) Video conferencing
- iii) Cyclone Early warning System
- iv) SONAR

GROUP 'C'

Q.3. (Answer all questions each within 200 words (4 x 10 marks=40)

- (i) Give a detailed description about Operating systems?
- (ii) What is printing? What are the various options that are defined in printing?
- (iii) Write the difference between Internet GIS and Web GIS.
- (iv) What are the fundamental steps in Remote Sensing processes

GROUP 'D'

No.4 (Answer all questions each within 300 words(2 x 15 marks=30)

- (i) What are the GIS functionalities for end user / system? Write in detail.
- (ii) Describe about the components and functions of Computer in detail?

ASSIGNMENT-3

Course: III(Risk Assessment and Vulnerability Analysis)

**Total Credit: 4
Full Marks: 100**

(Answer all questions from Group-'A', Group -'B', Group-C and Group-D.)

GROUP 'A'

Q.1. Answer all the questions, each within one word or one sentence (10 x 1 mark=10)

- i) What is risk assessment?
- ii) What is risk reduction?
- iii) What is cost benefit analysis?
- iv) What is the main role of Inter-Agency Secretariat of the ISDR?
- v) What is Event Tree Analysis (ETA)?
- vi) What is the RADIUS Tool?
- vii) What is GPS?
- viii) What is 'Chipko Andolan'?
- ix) How Community-based disaster risk reduction is effective?
- x) What is Gender Analysis (GA)?

GROUP 'B'

Q.2. (Answer all questions each within 100 words) (4 x 5 marks=20)

Write Short Notes on:

- i) Risk analysis techniques
- ii) Role of civil society organizations
- iii) Impact of Globalization
- iv) Hazard resistant designs and construction

GROUP 'C'

Q.3. (Answer all questions each within 200 words) (4 x 10 marks=40)

- i. Write a note on poverty and vulnerability.
- ii. Describe how systematic management and strategic planning can be implemented for vulnerability reduction?
- iii. Discuss vulnerability in third world countries with special reference to India.
- iv. Examine how rapid industrialization has increased vulnerability

GROUP 'D'

No.4 (Answer all questions each within 300 words) (2 x 15 marks=30)

- (i) Describe about the role of science and technology in Disaster Risk reduction?
Mention about the strategies to be adopted for Risk reduction?
- (ii) Describe about the types of Vulnerability? What are the factors responsible for Vulnerability assessment?

ASSIGNMENT-4

Course: IV (Disaster Preparedness and Response)

**Total Credit: 6
Full Marks: 100**

(Answer all questions from Group-‘A’, Group –‘B’, Group-C and Group-D.)

GROUP ‘A’

Q.1. Answer all the questions, each within one word or one sentence (10 x 1 mark=10)

- i) What is surveillance?
- ii) When Global Facility for Disaster Risk Reduction (GFDRR) was introduced?
- iii) Why Asian Disaster Reduction Centre (ADRC) was introduced?
- iv) Who are called as “special needs” population?
- v) What is CBO?
- vi) What is Retrofitting?
- vii) What do you mean by seismic zonation?
- viii) Define Canine Search of Victims?
- ix) What is the acronym of INSARAG?
- x) What is residual stress?

GROUP ‘B’

Q.2. (Answer all questions each within 100 words) (4 x 5 marks=20)

Write Short Notes on:

- i) Role of Government and NGOs
- ii) Essential commodity in Disaster Response
- iii) Medical Health Response
- iv) Standard Operating Procedures (SOP) of Response Plan

GROUP ‘C’

Q.3. (Answer all questions each within 200 words) (4 x 10 marks=40)

- (i) Give a detailed description of early warnings and safety measures of disaster to be implemented in Disaster Preparedness plan?
- (ii) In your area, discuss with the members of Resident Welfare Association or any other group and get their views about the community based disaster preparedness and preparation of a plan.
- (iii) Give a detailed description of institutional mechanism for disaster preparedness?
- (iv) Describe briefly about the components of logistics management in Disaster Response process

GROUP ‘D’

No.4 (Answer all questions each within 300 words) (2 x 15 marks=30)

- (i) Describe about the concept and significance of Disaster Preparedness?
What are the measures adopted for Disaster Preparedness?
- (ii) Describe how community participation helps in Disaster preparedness plan?

ASSIGNMENT-5

Course: V (Recovery, Rehabilitation and Reconstruction)

**Total Credit: 6
Full Marks: 100**

(Answer all questions from Group-‘A’, Group –‘B’, Group-C and Group-D.)

GROUP ‘A’

Q.1. Answer all the questions, each within one word or one sentence (10 x 1 mark=10)

- i) What is the mandate of International Bank for Reconstruction and Development (IBRD)?
- ii) Who was the founder of UNICEF?
- iii) Where is Central Building Research Institute (CBRI) situated?
- iv) What do you mean by recovery?
- v) What is the acronym of DRR?
- vi) What is the acronym of PPP?
- vii) When Orissa Disaster Mitigation Mission (ODMM) was launched?
- viii) Define ERROMap?
- ix) What are the MDGs?
- x) What is Consolidated Appeal Process (CAP)?

GROUP ‘B’

Q.2. (Answer all questions each within 100 words) (4 x 5 marks=20)

Write Short Notes on:

- i) Sample Surveys
- ii) Aerial photography
- iii) Earthquake resistant construction technique
- iv) Mobilization of community for resource generation

GROUP ‘C’

Q.3. (Answer all questions each within 200 words) (4 x 10 marks=40)

- (i) How physical and economic infrastructures are instrumental in the Reconstruction process?
- (ii) How livelihood restoration can be a part of Recovery?
- (iii) What are the guidelines for earthquake resistant construction technique?
- (iv) Analyse the role of the media in disaster Recovery and Management explain?

GROUP ‘D’

No.4 (Answer all questions each within 300 words) (2 x 15 marks=30)

- (i) What are the steps to be taken for Rehabilitation? Describe briefly about the role of various agencies in the Rehabilitation process?
- (ii) What are the steps to be taken from Reconstruction to Rehabilitation?

ASSIGNMENT-6

Course: VI (Reporting, Information and Documentation in Disasters)

**Total Credit: 4
Full Marks: 100**

(Answer all questions from Group-'A', Group -'B', Group-C and Group-D.)

GROUP 'A'

Q.1. Answer all the questions, each within one word or one sentence (10 x 1 mark=10)

- i) What is media?
- ii) What do you mean by audience?
- iii) What is coverage?
- iv) What is web media?
- v) What is DTH?
- vi) What is preface in project report?
- vii) What is hypothesis?
- viii) When Red Cross Society was introduced?
- ix) Where is the headquarter of OSDMA located?
- x) What is Cyclone Shelter Home?

GROUP 'B'

Q.2. (Answer all questions each within 100 words) (4 x 5 marks=20)

Write Short Notes on:

- i) Main body of Report
- ii) Tsunami of South India
- iii) Technology in Media
- iv) Landslides in North East India

GROUP 'C'

Q.3. (Answer all questions each within 200 words) (4 x 10 marks=40)

- (i) Differentiate between factual and ethical reporting?
- (ii) What are the positive and negative effects of media in disaster management?
- (iii) What are the analytical roles of media in disaster management?
- (iv) Why writing for online media is different from print media?

GROUP 'D'

No.4 (Answer all questions each within 300 words) (2 x 15 marks=30)

- (i) What are the impacts of Media coverage and Public Communication for Disasters?
- (ii) Why is it important to have institutional framework between disaster management agencies and media?

