



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

ASSIGNMENT – 1 to 6

ACADEMIC SESSION: 2018-19

DISASTER MANAGEMENT

Please read the instructions carefully before attempting assignment questions.

INSTRUCTIONS

Dear Learner,

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

You are required to submit one assignment per course within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counselors 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:

1. Write your name, programme code, course title, enrolment no. and study centre code in the top sheet of the assignment answer booklet.
2. Write the answers in your handwriting. Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page.
3. Do not cross the word limit given in each question.
4. Your handwriting should be neat and readable.

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.
3. 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	Course Title	Date of Submission
DM - 01	Introduction to Disaster Management	Sunday, 23 rd December 2018
DM - 02	Geographical Information System and ICT in Disaster Management	Sunday, 23 rd December 2018
DM - 03	Risk Assessment and Vulnerability Analysis	Sunday, 23 rd December 2018
DM - 04	Disaster Preparedness and Response	Sunday, 14 th April 2019
DM - 05	Recovery, Rehabilitation and Reconstruction	Sunday, 14 th April 2019
DM - 06	Reporting, Information and Documentation in Disasters	Sunday, 14 th April 2019

ASSIGNMENT-1

Course: I (Introduction to Disaster Management)

Total Credit: 6

Q.1.Long Answers Questions (within 250 words) (Any Two) (2 x 15 marks)

- (i) Describe the nature, importance and scope of disaster management in details?
- (ii) What do you mean by 'Natural Disaster'? Mention about different types of Natural Disasters?
- (iii) What do you mean by 'Man made Disaster'? Mention about different types of Man made Disasters?
- (iv) Which are the factors affecting damage as disaster determinants?

Q.2.Medium Answers Questions (within 200 words) (Any Four) (4 x 10 marks)

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

Q.3.Short Answers Questions (within 50 words) (Any Four) (4 x 5 marks)

Write Short Notes on:(within 50 words)

- i) Disaster Management Cycle
- ii) Air pollution
- iii) Climatic Change
- iv) Nuclear Disaster
- v) Forest Fire
- vi) Drought

Q.4.Answer the Question (within a sentence) (10 x 1 mark)

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

ASSIGNMENT-2

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

Total Credit: 6

Q.1.Long Answers Questions (within 250 words) (Any Two)

- (i) What are the GIS functionalities for end user / system? Write in detail.
- (ii) Describe about the components and functions of Computer in detail?
- (iii) Discuss the different types of GIS models.
- (iv) What is security? What are the various types of security in MS Excel?

Q.2.Medium Answers Questions (within 200 words) (Any Four)

- (i) What are the different ways in which the Energy interacts with the Earth's surface?
- (ii) Give a detailed description about Operating systems?
- (iii) What is printing? What are the various options that are defined in printing?
How to copy and move text between two documents.
- (iv) Write the difference between Internet GIS and Web GIS.
- (v) What are the fundamental steps in Remote Sensing processes
- (vi)

Q.3.Short Answers Questions (within 50 words) (Any Four)

Write Short Notes on:(within 50 words)

- i) Remote Sensing application in Disaster Management
- ii) Use of Internet
- iii) Video conferencing
- iv) Cyclone Early warning System
- v) SONAR
- vi) Data acquisition

Q.4.Answer the Question (within a sentence)

- 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

ASSIGNMENT-3

Course: III(Risk Assessment and Vulnerability Analysis)

Total Credit: 4

Q.1.Long Answers Questions (within 250 words) (Any Two)

- (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?
- (iii) Describe about the vulnerability to shanty settlements? What are the initiatives for risk reduction in India?
- (iv) Do you feel that women are most adversely affected by disasters? Give reasons in support of your answer.

Q.2.Medium Answers Questions (within 200 words) (Any Four)

- (i) What are the methods used in Participatory risk assessment?
- (ii) Write a note on poverty and vulnerability.
- (iii) Describe how systematic management and strategic planning can be implemented for vulnerability reduction?
- (iv) Discuss vulnerability in third world countries with special reference to India.
- (v) Examine how rapid industrialization has increased vulnerability
- (vi) Discuss the role of community and Non-Government sector in disaster response and mitigation.

Q.3.Short Answers Questions (within 50 words) (Any Four)

Write Short Notes on:(within 50 words)

- i) Risk analysis techniques
- ii) Role of civil society organizations
- iii) Impact of Globalization
- iv) Hazard resistant designs and construction
- v) Analytical systems of risk assessment
- vi) Role of people's participation in risk assessment

Q.4.Answer the Question (within a sentence)

- 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)?

ASSIGNMENT-4

Course: IV (Disaster Preparedness and Response)

Total Credit: 6

Q.1.Long Answers Questions (within 250 words) (Any Two)

- (i) Describe about the concept and significance of Disaster Preparedness? What are the measures adopted for Disaster Preparedness?
- (ii) What are the roles of different organizations / institutions in Disaster preparedness plan?
- (iii) Describe how community participation helps in Disaster preparedness plan?
- (iv) Give a brief account of the role of stakeholders in the implementation of response plans?

Q.2.Medium Answers Questions (within 200 words)(Any Four)

- (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?
- (v) List and prioritise the mitigation tools for reducing risks associated with floods.
- (vi) Explain the significance of search and rescue in the disaster response process?

Q.3.Short Answers Questions (within 50 words) (Any Four)

Write Short Notes on:(within 50 words)

- i) Role of Government and NGOs
- ii) Essential commodity in Disaster Response
- iii) Medical Health Response

- iv) Conceptual model of Disaster Preparedness
- v) Trigger mechanism
- vi) Standard Operating Procedures (SOP) of Response Plan

Q.4. Answer the Question (within a sentence)

- 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?

ASSIGNMENT-5

Course: V (Recovery, Rehabilitation and Reconstruction)

Total Credit: 6

Q.1. Long Answers Questions (within 250 words) (Any Two)

- (i) Describe about the concept and types of Rehabilitation and Reconstruction? How can we make assessment of pre and post disaster conditions?
- (ii) What are the steps to be taken for Rehabilitation? Describe briefly about the role of various agencies in the Rehabilitation process?
- (iii) What are the steps to be taken from Reconstruction to Rehabilitation?
- (iv) Describe briefly about the livelihood restoration programme in Odisha?

Q.2. Medium Answers Questions (within 200 words)(Any Four)

- (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 necessary requirements for Speedy Reconstructions?

- (iv) What are the guidelines for earthquake resistant construction technique?
- (v) To successfully manage the disaster aftermath and restore normalcy, a good recovery Plan Needs to be in place. Comment
- (vi) Analyse the role of the media in disaster Recovery and Management explain?

Q.3.Short Answers Questions (within 50 words) (Any Four)

Write Short Notes on:(within 50 words)

- i) Sample Surveys
- ii) Aerial photography
- iii) Earthquake resistant construction technique
- iv) Mobilization of community for resource generation
- v) Role of Insurance in Rehabilitation process
- vi) Environmental Infrastructure development

Q.4.Answer the Question (within a sentence)

- 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)?

ASSIGNMENT-6

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

Total Credit: 4

Q.1.Long Answers Questions (within 250 words) (Any Two)

- (i) Describe about the types and importance of media? How media is helpful in Disaster mitigation?
- (ii) What are the impacts of Media coverage and Public Communication for Disasters?
- (iii) What are the steps to be followed for preparation of project proposal / synopsis of the project?
- (iv) Why is it important to have institutional framework between disaster management agencies and media?

Q.2.Medium Answers Questions (within 200 words)(Any Four)

- (i) Differentiate between factual and ethical reporting?
- (ii) How to prepare a research report?
- (iii) What are the positive and negative effects of media in disaster management?
- (iv) What was the use of broadcast media?
- (v) What are the analytical roles of media in disaster management?
- (vi) Why writing for online media is different from print media?

Q.3.Short Answers Questions (within 50 words) (Any Four)

Write Short Notes on:(within 50 words)

- i) Main body of Report
- ii) Tsunami of South India
- iii) Bhopal Gas Tragedy
- iv) Orissa 1999 Super Cyclone
- v) Technology in Media
- vi) Landslides in North East India

Q.4.Answer the Question (within a sentence)

- 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?