

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER-I
(Approaches and Theories of Disasters)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Define the following terms:
 - (a) Hazard
 - (b) Risk
 - (c) Vulnerability
 - (d) Disaster
2. Describe the historical development of disaster studies in detail.
3. Write notes on any **two** of the following:
 - (a) Man-made disasters
 - (b) Globalisation and disaster studies
 - (c) Early warning system of natural disasters.
4. Describe in detail the traditional Indian knowledge about disasters.
5. Discuss the 'Pressures' that result in disasters.
6. Describe the importance of Panchayati Raj Institutions in disaster management.
7. Write explanatory notes on:
 - (i) Risk assessment
 - (ii) Agricultural disasters
8. Discuss the significance of impact analysis of disasters.
9. How do disasters affect human behaviour? Discuss in detail.
10. Write a detailed note on the occurrence of crime and disease during disasters.

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EXAMINATION PROGRAMME-2023
M.A./M.Sc. Geography, Environmental Science
& Disaster Management, Part-I

Date	Papers	Time	Examination Centre
30.05.2023	Paper-I	10.30 AM to 1.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
01.06.2023	Paper-II	10.30 AM to 1.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
03.06.2023	Paper-III	10.30 AM to 1.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
06.06.2023	Paper-IV	10.30 AM to 1.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
08.06.2023	Paper-V	10.30 AM to 1.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
10.06.2023	Paper-VI	10.30 AM to 1.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
13.06.2023	Paper-VII	10.30 AM to 1.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
15.06.2023	Paper-VIII	10.30 AM to 1.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER–II

(Fundamentals of Disaster Management)

Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What do you mean by disaster management? Describe the various elements of disaster management in detail.
2. Describe the activities related to prevention and mitigation of disaster management.
3. Write explanatory notes on any two of the following:
 - (a) objectives of disaster management
 - (b) Community based disaster management
 - (c) Disaster preparedness
4. What is risk assessment? Describe in detail the process of risk assessment and evaluation.
5. Write an essay on search and rescue operations during natural disasters.
6. Describe the sources of funding available for relief and rehabilitation in disaster hit areas.
7. Write explanatory notes on the following:
 - (a) Prime Minister's National Relief Fund
 - (b) Disaster Broadcasting
8. Give a detailed account of the problem areas in disaster recovery.
9. What do you mean by reconstruction in disaster management? Discuss the reconstruction programmes to be taken up during disasters.
10. Discuss how you would ensure economic and social rehabilitation of the disaster affected people.



M.A./M.Sc. Disaster Management, Part-I
Practical Counselling Classes & Practical Examination Programme, 2023
for Paper–IV, VI & VII

Venue : 2nd Floor, Biscomaun Bhawan, Patna-800001.

<i>Practical Counselling Class Programme</i>		
<i>Date</i>	<i>Paper</i>	<i>Time</i>
17.06.2023	IV	10.30 AM to 4.30 PM
17.06.2023	VI	
17.06.2023	VII	

<i>Practical Examination Programme</i>		
<i>Date</i>	<i>Paper</i>	<i>Time</i>
18.06.2023	IV	10.30 AM to 12.30 PM
18.06.2023	VI	1.00 PM to 3.00 PM
18.06.2023	VII	3.30 PM to 5.30 PM

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER–III
(Natural and Human Induced Disasters)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What is environmental degradation? How does it intensity disasters?
2. Discuss the causes of earthquakes. Describe in brief the earthquake zone of India.
3. Write short notes on the following:-
 - (a) Liquefaction
 - (b) Effects of Tsunami
 - (c) Compsite volcanos
 - (d) Avalanches
4. How is forest fire caused? Describe different types of forest fires in detail.
5. What is desertification? Discuss its causes and consequences.
6. Write notes on the following:-
 - (a) Impact of floods
 - (b) Causes of landslides
7. What do you mean by nuclear disasters? How can nuclear disasters be prevented?
8. Write an essay on the status of chemical disaster risk in India.
9. Give an account of the climatic variations since the last period of glaciations.
10. Write short notes on any ***Two*** of the following:-
 - (a) Industrial accidents
 - (b) Biological disasters
 - (c) Effects of soil pollution.



M.A./M.Sc. Disaster Management, Part-I
Practical Counselling Classes & Practical Examination Programme, 2023
for Paper–IV, VI & VII
Venue : 2nd Floor, Biscomaun Bhawan, Patna-800001.

Practical Counselling Class Programme		
Date	Paper	Time
17.06.2023	IV	10.30 AM to 4.30 PM
17.06.2023	VI	
17.06.2023	VII	

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Date	Paper	Time
18.06.2023	IV	10.30 AM to 12.30 PM
18.06.2023	VI	1.00 PM to 3.00 PM
18.06.2023	VII	3.30 PM to 5.30 PM

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER-IV

(Role of Remote Sensing & GIS in Disaster Management)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What is remote sensing? Describe the use of remote sensors in detail.
2. What is electromagnetic spectrum? Describe the types of remote sensors.
3. Discuss the advantages and disadvantages of remote sensing.
4. Explain the following terms:
 - (a) Spectral bands
 - (b) Spatial resolution
 - (c) Spectral Signature
 - (d) Satellite imagery
5. Discuss the application of remote sensing in flood monitoring.
6. What is GIS? Describe its benefits in detail.
7. What is GPS? Describe the applications of GPS in detail.
8. Explain the following:
 - (a) Sensor platforms
 - (b) GPS accuracy
9. Discuss the application of remote sensing and GIS in Landslide hazard assessment.
10. Write explanatory notes on the following:
 - (a) GIS data types and structures
 - (b) Geoinformatics perspective in disaster management.



M.A./M.Sc. Disaster Management, Part-I
Practical Counselling Classes & Practical Examination Programme, 2023
for Paper-IV, VI & VII
Venue : 2nd Floor, Biscomaun Bhawan, Patna-800001.

<i>Practical Counselling Class Programme</i>		
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17.06.2023	IV	10.30 AM to 4.30 PM
17.06.2023	VI	
17.06.2023	VII	

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18.06.2023	IV	10.30 AM to 12.30 PM
18.06.2023	VI	1.00 PM to 3.00 PM
18.06.2023	VII	3.30 PM to 5.30 PM

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER-V
(Finance and Insurance in Disaster Management)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What do you mean by 'insurance'? Describe the nature and characteristics of insurance in detail.
2. Why is insurance important to individuals? Describe different kinds of insurance.
3. Describe the following:
 - (a) Rural Insurance
 - (b) Automobile insurance
4. What is disaster management plan? Discuss the disaster management plan of India.
5. What do you know about risk management objectives? Discuss the essential features of damage assessment.
6. Write explanatory notes on the following:
 - (a) Insurance claim process
 - (b) Risk management products
7. Describe the objectives of Dynamic Financial Analysis in detail.
8. Describe in detail how damage reports are prepared.
9. How would you explain financing disaster risk in India?
10. Write short notes on the following:
 - (a) Rapid damage assessment
 - (b) Tools of risk management
 - (c) Primary functions of insurance
 - (d) Concept of re-insurance



M.A./M.Sc. Disaster Management, Part-I
Practical Counselling Classes & Practical Examination Programme, 2023
for Paper-IV, VI & VII
Venue : 2nd Floor, Biscomaun Bhawan, Patna-800001.

<i>Practical Counselling Class Programme</i>		
<i>Date</i>	<i>Paper</i>	<i>Time</i>
17.06.2023	IV	10.30 AM to 4.30 PM
17.06.2023	VI	
17.06.2023	VII	

<i>Practical Examination Programme</i>		
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18.06.2023	IV	10.30 AM to 12.30 PM
18.06.2023	VI	1.00 PM to 3.00 PM
18.06.2023	VII	3.30 PM to 5.30 PM

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER-VI

(Research Methods in Disaster Management)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Explain the basic concept of research methods in disaster management.
2. Discuss different types of scientific investigations in detail.
3. Write explanatory notes on:
 - (i) Primary and secondary sources of data
 - (ii) Collection and analysis of data.
4. What do you mean by tabulation of data? Describe in detail.
5. Write notes on any **two** of the following:
 - (a) Random sampling
 - (b) Snowball sampling
 - (c) Cluster sampling
6. Describe the importance of questionnaire and interview in data collection.
7. Give a detailed account of sampling design in research methodology.
8. Describe the types of probability sampling techniques in detail.
9. What preparations and planning are required in writing a report.
10. Write notes on any **two** of the following:
 - (a) Report writing format
 - (b) Literature review
 - (c) Comparative research



M.A./M.Sc. Disaster Management, Part-I
Practical Counselling Classes & Practical Examination Programme, 2023
for Paper-IV, VI & VII

Venue : 2nd Floor, Biscomaun Bhawan, Patna-800001.

<i>Practical Counselling Class Programme</i>		
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NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER-VII

(Disaster in India)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What are landslides? Describe the landslide prone areas of India.
2. Write about major flood-prone areas in India.
3. Write explanatory notes on any **two** of the following:
 - (i) Disaster profiles of India
 - (ii) Drought-prone areas in India
 - (iii) Earthquake-prone areas in Bihar.
4. Discuss the phenomenon of seismicity in Western Himalayas.
5. Write notes on any **two** of the following:
 - (a) Tsunami
 - (b) Snow Avalanche
 - (c) Sea Level rise
6. Give an account of the cyclones originating in the Arabian Sea.
7. Explain the following:
 - (a) Warmer and Wetter winters
 - (b) Chemical disasters
8. Discuss the major causes of rail accidents. Describe in detail some recent rail accidents in India.
9. Describe some major Chemical and Industrial Disasters in India.
10. Discuss the socio-economic disasters caused by terrorism and violence.

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M.A./M.Sc. Disaster Management, Part-I
Practical Counselling Classes & Practical Examination Programme, 2023
for Paper-IV, VI & VII
Venue : 2nd Floor, Biscomaun Bhawan, Patna-800001.

<i>Practical Counselling Class Programme</i>		
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18.06.2023	VI	1.00 PM to 3.00 PM
18.06.2023	VII	3.30 PM to 5.30 PM

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER–VIII

(Disaster Management in India)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Write an essay on disaster management in India.
2. Discuss the roles and responsibilities of private sector organisations in disaster management.
3. Write notes on:
 - (a) Role of media in disaster management.
 - (b) Integrated Data Resource Network.
4. Discuss the role of educational institutions in Disaster Management.
5. Describe the organizational structure and functions of National Disaster Management Authority (NDMA).
6. Describe the working of the District Disaster Management Authority. Write briefly about the District crisis Management Group.
7. Describe in detail the constitution and role of National Disaster Response Force.
8. Describe the various steps involved in preparation and process of community based disaster management plan for community resilience.
9. Describe the role of Army in disaster management. Discuss briefly the challenges faced by the Army in disaster risk reduction activities.
10. Write notes on:
 - (a) National Fire Service College
 - (b) National Civil Defense College

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परीक्षाफल प्रकाशन से सम्बन्धित आवश्यक सूचना

सम्बन्धित सभी विद्यार्थियों को सूचित किया जाता कि वे अपने विषय के रिजल्ट से सम्बन्धित जानकारी हेतु समय-समय पर (time to time) विश्वविद्यालय के वेबसाईट (www.nou.ac.in) का संदर्भ करेंगे ।

- परीक्षाफल प्रकाशित हो जाने के उपरान्त सभी विद्यार्थियों का e-marksheet उनके Student Login पर मौजूद रहेगा, जिसे वे नालन्दा खुला विश्वविद्यालय में किसी प्रयोजनार्थ व्यवहार में ला सकते हैं ।
- परीक्षा में उत्तीर्ण विद्यार्थी अपने Student Login से निर्धारित तिथियों (जो कि रिजल्ट नोटिस पर मौजूद रहेगा) के अन्तर्गत अगले सत्र में Online Admission लेना सुनिश्चित करेंगे ।

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NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-II
PAPER-IX

(Legal Aspects of Disaster Management)

Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Discuss the international perspectives in disaster management and describe the related legal aspects in detail.
2. Write explanatory notes on the following:
 - (a) Human rights in disaster management
 - (b) Judicial activism in disaster management
3. Give an overview of provisions of the constitution of India with special emphasis on fundamental rights.
4. Write notes on any two of the following:
 - (a) Bhopal Gas Tragedy
 - (b) Weapons of mass destruction
 - (c) Fire Alarm Systems
5. What is National Building Code, 2005. Discuss its importance with respect to various disasters.
6. Write explanatory note on any two of the following:
 - (a) Uphaar Cinema Tragedy
 - (b) Plague in Surat
 - (c) Gujarat Earthquake
7. What is the role of Central Pollution Control Board in preventing any disaster?
8. Discuss the salient features of the Explosive Substance Act, 1908 in detail.
9. Describe in brief the various provisions mentioned in the Chapter-IV of Factories Act, 1948.
10. How does the Essential Services Maintenance Act, 1981 help in managing the disaster?



EXAMINATION PROGRAMME-2023
M.A./M.Sc. Geography, Disaster Management, Home Science
& Environmental Science, Part-II

Date	Papers	Time	Examination Centre
29.09.2023	Paper-IX	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
03.10.2023	Paper-X	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
05.10.2023	Paper-XI	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
07.10.2023	Paper-XII	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
10.10.2023	Paper-XIII	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
13.10.2023	Paper-XIV	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
16.10.2023	Paper-XV	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
18.10.2023	Paper-XVI	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-II
PAPER-X
(Disaster Preparedness and Mitigation)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What is risk assessment? Describe the various steps in risk assessment in detail.
2. Write an essay on the evaluation of risk assessment.
3. Write explanatory notes on:
 - (a) Tools for vulnerability assessment
 - (b) Elements of risk assessment
4. What do you mean by disaster preparedness? Describe its principles and objectives in detail.
5. Describe the problem areas in disaster preparedness. What are disaster preparedness measures?
6. How does the local administration control disaster preparedness activities?
7. What do you mean by critical infrastructure? Describe the critical infrastructure preparation plan in detail.
8. Describe disaster preparedness plan for health services. Discuss the need for disaster management plan in hospitals.
9. Write explanatory notes on:
 - (a) Emergency water supply techniques
 - (b) National Disaster Response Force
10. What is disaster mitigation? Discuss its concept and importance in detail.



Revised
EXAMINATION PROGRAMME-2023
M.A./M.Sc. Geography, Disaster Management, Home Science
& Environmental Science, Part-II

Date	Papers	Time	Examination Centre
29.09.2023	Paper-IX	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
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16.10.2023	Paper-XV	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
18.10.2023	Paper-XVI (Project Viva)	10.30 AM to 01.30 PM	Nalanda Open University, 12th Floor, Biscomaun Tower, Patna

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-II
PAPER–XI
(Relief, Rehabilitation and Reconstruction)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Explain the concept of reconstruction and rehabilitation. Describe various types of rehabilitation in detail.
2. What is information management? Describe information management for disasters.
3. Describe the information systems of India in detail.
4. Write notes on:
 - (a) Global expenditure on infrastructure
 - (b) Globalised economic development
5. Give a detailed account of the ways of developing housing infrastructure after a disaster.
6. Discuss the role of International Monetary Fund and World Bank in disaster risk reduction.
7. Discuss the concept of psycho-social support and mental health services with special reference to earthquakes and tsunamis.
8. Discuss in detail the participative rehabilitation process. How would you ensure community participation in rehabilitation?
9. Write explanatory notes on the following:
 - (a) Role of local self government in disaster management
 - (b) Inter-linkages between disaster recovery and development
10. Discuss the concept of post disaster livelihood recovery plan in detail with some examples.

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Revised

EXAMINATION PROGRAMME-2023
M.A./M.Sc. Geography, Disaster Management, Home Science
& Environmental Science, Part-II

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18.10.2023	Paper–XVI (Project Viva)	10.30 AM to 01.30 PM	Nalanda Open University, 12th Floor, Biscomaun Tower, Patna

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-II
PAPER–XII

(Disaster Management in Bihar)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Why is Bihar considered to be a disaster-prone State? Which natural disasters hit the State more often?
2. Describe the agro-ecological zones of Bihar in detail. Discuss how the State has been categorized in different disaster-prone districts.
3. Discuss the hazard vulnerability of Bihar in detail.
4. Write explanatory notes on :
 - (a) Lightning in Bihar
 - (b) Incidence of boat capsizing in Bihar
5. Discuss the seismic zone of Bihar in detail. Describe any recent earthquake affecting Bihar.
6. Write an essay on Bihar floods. How can devastations caused by floods be minimized?
7. What is the impact of climate change on water availability? Discuss it in the light of recent shortage of potable water in different parts of Bihar.
8. Mention main reasons for Road accidents. Also explain how we can reduce them.
9. What do you mean by water pollution? Discuss the problems caused by arsenic contamination of potable water in Bihar.
10. What are major pollutants in river Ganges? What Government initiatives have been taken to clean Ganges?

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Revised
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& Environmental Science, Part-II

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NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-II
PAPER–XIII

(Role of International Agencies in Disaster Management)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. How can we manage humanitarian response at the time of a disaster?
2. Which agency looks after health aspect in the world? How can it play an important role in managing health in a disaster?
3. Explain the importance of water and sanitation in disaster management.
4. Discuss the importance of co-ordination, information management and resources mobilization during a disaster.
5. Write notes on the following:
 - (a) Role of UNFPA in Disaster Management
 - (b) Importance of Environmental Health
6. Discuss the benefits and guiding principles of Development Assistance for Refugees (DAR) programmes.
7. Describe Participatory Learning and Action and steps involved in this process.
8. How can environment affect our health? Discuss in detail.
9. Discuss the various types of Environmental Emergencies.
10. Write explanatory notes on:
 - (a) Stages of Environmental Emergency Assistance
 - (b) Nuclear and radiological emergencies

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Revised

EXAMINATION PROGRAMME-2023
M.A./M.Sc. Geography, Disaster Management, Home Science
& Environmental Science, Part-II

Date	Papers	Time	Examination Centre
29.09.2023	Paper–IX	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
03.10.2023	Paper–X	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
05.10.2023	Paper–XI	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
07.10.2023	Paper–XII	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
10.10.2023	Paper–XIII	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
13.10.2023	Paper–XIV	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
16.10.2023	Paper–XV	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
18.10.2023	Paper–XVI (Project Viva)	10.30 AM to 01.30 PM	Nalanda Open University, 12th Floor, Biscomaun Tower, Patna

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-II
PAPER–XIV
(Disaster and Sustainable Development)
Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What is sustainable development? Why is it necessary for balanced growth on the Earth?
2. Discuss the Disaster Risk Profile of India.
3. Outline the process of environmental impact assessment in disaster-hit areas.
4. Write notes on the following:
 - (a) Environmental laws in India.
 - (b) Disaster risk reduction
5. Outline the Sustainable Development Goals being executed in India in detail.
6. Outline the flood-prone regions in India. Describe the impact of floods in Bihar.
7. Discuss the major epidemics of the world. Add a note on the present status of Covid-19 in India.
8. Comment on the Impact of Landslides on human lives.
9. Briefly explain the need and efforts for slum redevelopment with special reference to India.
10. Discuss the limitations in Global Sustainable Development in detail.

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Revised
EXAMINATION PROGRAMME-2023
M.A./M.Sc. Geography, Disaster Management, Home Science
& Environmental Science, Part-II

Date	Papers	Time	Examination Centre
29.09.2023	Paper–IX	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
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NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-II
PAPER–XV

(State and Disaster Management with Special Reference to India)

Annual Examination, 2023

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What is UNESCO? Discuss UNESCO's role in disaster mitigation.
2. Describe UNDP's disaster risk management programme in detail.
3. Write explanatory notes on:
 - (a) UNICEF in emergencies
 - (b) Economic and Social Council
4. Discuss in detail the role and responsibilities of the National Disaster Response Force (NDRF) in disaster management.
5. Write explanatory notes on any two of the following:
 - (a) National Institute of Disaster Management
 - (b) National Flood Commission
 - (c) National Energy Management Authority
6. Write notes on the following:
 - (a) Home Disaster Management Plan
 - (b) School Disaster Management Plan
7. Describe the functions of the District Disaster Management Authority (DDMA) in detail.
8. Discuss the role and responsibilities of Panchayati Raj Institutions (PRIs) in disaster management.
9. Discuss the role played by the Armed Forces during disaster management.
10. Write notes on the following:
 - (a) Role of NGOs in disaster management in India
 - (b) United Nations Disaster Assessment and Coordination (UNDAC)

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Revised

EXAMINATION PROGRAMME-2023
M.A./M.Sc. Geography, Disaster Management, Home Science
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