

NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER-I
(Approaches and Theories of Disasters)
Annual Examination, 2020

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What is Vulnerability ? Describe different types of vulnerability in detail.
2. Differentiate between natural disasters and man-made disasters.
3. Explain any **Two** of the following terms in detail :—
 - (a) Hazard
 - (b) Risk
 - (c) Disaster
4. Give a brief account of the early warning system of modern disasters.
5. Write explanatory notes on any **Two** of the following :—
 - (a) Disaster Risk Governance
 - (b) Impact Analysis of Disasters
 - (c) Description of Natural Disasters in Sanskrit Literature
6. What are disaster management approaches ? Describe the community based disaster management approach in detail
7. Discuss the problems related to disaster management in detail.
8. How do disasters affect human behaviour ?
9. Enumerate characteristics of disasters. Briefly describe disaster impacts model.
10. Write a note on the occurrence of crime and disease during disasters.



EXAMINATION PROGRAMME-2020
M.A./M.Sc. Disaster Management, Part-I

Date	Papers	Time	Examination Centre
06.04.2021	Paper-I	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
08.04.2021	Paper-II	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
10.04.2021	Paper-III	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
13.04.2021	Paper-IV	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
16.04.2021	Paper-V	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
19.04.2021	Paper-VI	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
24.04.2021	Paper-VII	2.30 PM to 5.30 PM	Nalanda Open University, 2 nd Floor, Biscomaun Bhawan, Patna
27.04.2021	Paper-VIII	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-I
PAPER-II
(Fundamentals of Disaster Management)
Annual Examination, 2020

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What is Disaster Management ? Discuss the importance of Disaster Management in detail.
2. Discuss the concept of community-based disaster management in detail.
3. Explain the following :—
 - (a) Disaster Preparedness.
 - (b) Environmental Degradation.
4. Differentiate between hazard assessment and risk assessment.
5. What is rapid damage assessment ? Discuss rapid damage assessment procedures in detail.
6. Discuss the role of mass media in disaster relief operations.
7. Write notes on any **Two** of the following :—
 - (a) INSARAG
 - (b) Disaster Broadcasting
 - (c) National Calamity Contingency Fund
8. What is Disaster Relief ? Discuss the problem areas in disaster recovery.
9. Describe the various sources of funding for disaster relief.
10. Explain the following :—
 - (a) Principles of Rehabilitation and Reconstruction.
 - (b) Economic and Social Rehabilitation.



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M.A./M.Sc. Disaster Management, Part-I

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NALANDA OPEN UNIVERSITY
M.A./M.Sc. Disaster Management, Part-I
PAPER–III
(Natural and Human Induced Disasters)
Annual Examination, 2020

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What are Volcanoes ? Describe different types of volcanoes in detail.
2. Describe how environmental degradation causes disasters.
3. Write explanatory notes on any **Two** of the following :—
 - (a) Tsunami
 - (b) Droughts
 - (c) Avalanches
4. What are Cyclones ? Describe different categories of cyclones in detail.
5. What are Landslides ? Describe how landslides are caused.
6. Write short notes of the following :—
 - (a) Blizzards
 - (b) Hailstorms
 - (c) Heat Wave
 - (d) Sinkhole
7. Write an essay on the status of chemical disaster risk in India.
8. Enumerate the sources of water pollution. Discuss the effects of water pollution on human health.
9. What is global warming ? Discuss its causes and effects in detail.
10. Discuss biological disasters as agents of mass destruction.



M.A./M.Sc. Disaster Management, Part-I
Practical Counselling Classes & Practical Examination Programme, 2020
for Paper–IV, VI & VII

Venue : Room No. 14, Nalanda Open University, 2nd Floor, Biscomaun Bhawan, Patna-800001.

<i>Practical Counselling Class Programme</i>		
<i>Date</i>	<i>Paper</i>	<i>Time</i>
28.04.2021	IV	10.30 AM to 1.30 PM
28.04.2021	VI	2.00 PM to 5.00 PM
29.04.2021	VII	10.30 AM to 1.30 PM

<i>Practical Examination Programme</i>		
<i>Date</i>	<i>Paper</i>	<i>Time</i>
30.04.2021	IV	10.30 AM to 12.30 PM
30.04.2021	VI	1.00 PM to 3.00 PM
30.04.2021	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, 2020

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What is Remote Sensing ? Describe its various components in detail.
2. Discuss the applications of remote sensing in disaster management.
3. Write notes on the following :—
 - (a) Advantages of Remote Sensing.
 - (b) Remote Sensing Image Resolution.
4. What is GIS ? Describe the software and hardware components of GIS.
5. Discuss the applications of GPS in detail.
6. Write explanatory notes of the following :—
 - (a) GPS Accuracy.
 - (b) GIS Data Types.
7. Give an account of geoinformatics' perspectives in disaster management.
8. Discuss some Indian case studies of disaster management with the help of satellite data.
9. How is flood mapping done with the help of GIS and remote sensing ?
10. Describe the following :—
 - (a) Digital Elevation Model.
 - (b) Remote Sensors.



M.A./M.Sc. Disaster Management, Part-I
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30.04.2021	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, 2020

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Define insurance. Give an account of the importance of insurance to individuals.
2. Discuss the insurance claim process in detail.
3. Describe the following :—
 - (a) Property Insurance.
 - (b) Travel Insurance.
4. Differentiate between assurance and re-insurance.
5. What are risk management products ? Describe their characteristics in detail.
6. Explain the following :—
 - (a) Risk Management Objectives.
 - (b) Damage Reports.
7. Explain the community perspectives of disasters and insurance decisions.
8. Discuss the NDMA guidelines for earthquakes and tsunamis.
9. Discuss the role of World Bank in disaster finance and risk reduction.
10. Explain the process of financing disaster risk in India in detail.



M.A./M.Sc. Disaster Management, Part-I
Revised Practical Examination Programme, 2020
for Paper-IV, VI & VII

Venue : Room No. 14, Nalanda Open University, 2nd Floor, Biscomaun Bhawan, Patna-800001.

<i>Practical Examination Programme</i>		
<i>Date</i>	<i>Paper</i>	<i>Time</i>
06.09.2021	IV	11.00 AM to 2.00 PM
06.09.2021	VI	2.00 PM to 5.00 PM
07.09.2021	VII	11.00 AM to 2.00 PM

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

(Research Methods in Disaster Management)
Annual Examination, 2020

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. What do you mean by a research proposal ? Discuss the role of research proposal in scientific investigations.
2. Discuss the important steps involved in research process in research methodology.
3. Write an explanatory note on collection and analysis of data.
4. Describe the following :—
 - (a) Comparative Research.
 - (b) Types of Scientific Investigations.
5. What are primary and secondary sources of data ?
6. Describe the generally accepted principles of tabulation ? Describe them in detail.
7. What is sampling theory ? Describe its objectives.
8. Write notes on the following :—
 - (a) Sampling design in research methodology.
 - (b) Probability sampling techniques.
9. Describe the main sections of standard report writing format.
10. Describe different types of research reports in detail.



M.A./M.Sc. Disaster Management, Part-I
Revised Practical Examination Programme, 2020
for Paper-IV, VI & VII

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07.09.2021	VII	11.00 AM to 2.00 PM

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

(Disaster in India)
Annual Examination, 2020

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Give a detailed account of the disaster profiles of India.
2. Describe the earthquake prone areas of India in detail.
3. Which areas in India are affected by droughts most ?
4. What are avalanches ? Describe the avalanches of western Himalayas.
5. What are landslides ? Discuss the recurrence of landslides in Himalayas.
6. Write explanatory notes on the following :—
 - (a) Recent floods in Bihar.
 - (b) Recent cyclones of the Bay of Bengal.
7. Write in detail the devastations caused by floods in the Ganga basin.
8. Give a detailed account of urban disasters. Explain how Mumbai is prone to various disasters.
9. Give an account of the road accidents in India.
10. Describe the following :—
 - (a) Industrial disaster in India.
 - (b) Socio-economic disasters caused by terrorism.

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M.A./M.Sc. Disaster Management, Part-I
Revised Practical Examination Programme, 2020
for Paper–IV, VI & VII

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06.09.2021	VI	2.00 PM to 5.00 PM
07.09.2021	VII	11.00 AM to 2.00 PM

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

(Disaster Management in India)
Annual Examination, 2020

Time : 3 Hours

Full Marks : 80

Answer any Five Questions.
All questions carry equal marks.

1. Name the stakeholders in disaster management in India. Describe the roles and responsibilities of the national government.
2. How do the United Nations and other international organizations extend their help in disaster management ?
3. Describe, in brief, the aims and objectives of the Civil Defence Act. Discuss the role of Civil Defence in disaster management.
4. Describe the following :—
 - (a) National Institute of Disaster Management.
 - (b) National Disaster Response Force.
5. Describe the National Policy framework of disaster management in detail.
6. Describe the origin and constitution of Bihar State Disaster Management Authority and add a note on its role and responsibilities.
7. Write explanatory notes on the following :—
 - (a) Role of Army in Disaster Management.
 - (b) District Disaster Management Authority.
8. Describe the various steps involved in preparation and process of community-based disaster management plans for community resilience.
9. Give an account of the good practices for private sector's participation in disaster risk reduction.
10. Describe how academic institutions can help develop a culture of preparedness for disaster risk reduction.



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