

**S.S.JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE  
RAMBAG CIRCLE, JAIPUR-302015  
DEPARTMENT OF GEOGRAPHY**

**One Year P.G. Diploma Programme  
[Disaster Management]**

**Paper-I [Introduction to Disaster Management]**

**Objectives**

1. Basic understanding about disasters, their types.
2. Disaster difference with similar used words.
3. Impacts of disaster in economic, political, social and psychological aspects.

**UNIT – I**

**Introduction** : Meaning and Concepts of Calamity, Hazard, Disaster, Vulnerability & Risks. Difference between Hazards Vs Disaster, Major trends of Disasters. Models in Disasters.

**UNIT – II**

**Types of Disaster** : Natural and Manmade Disaster. Natural : Planetary - Terrestrial (Volcanic, eruption, Earthquakes, Land Slides) Atmospheric (Cyclones, Lightning, Hailstrome) Water related (Flood, Drought).  
Manmade : Accident related (Air, Road, Rail Accident and Boat capsizing)  
Industrial, Nuclear explosion.

**UNIT – III**

Impacts of Disaster : Problems, Political, Social, Economic Impacts of Disaster, Gender and Social issues during Disaster, Psychological issues. Relation between disaster and development. Refugee operation during Disaster, Human Re-settlement and Re-habilitation issues during and after Disaster.

**S.S.JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE  
RAMBAG CIRCLE, JAIPUR-302015  
DEPARTMENT OF GEOGRAPHY**

**SYLLABUS**

Part-A : 15 Short Questions : 15x2 M.Each	=30M.
Part-B : 3 Essay Questions from each unit with internal choice 3x10M.Each	=30M.
Part-C : 1 Case Study Question (Compulsory) 1x10 M.Each	=10M.

Total Marks of Exam	= 70M.
Internal Assessment (CIA)	= 30M.
Maximum Marks per paper	= 70M.
Minimum Marks	= 28M

**One Year P.G. Diploma Programme  
[Disaster Management]**

**Paper-II, Phase of Disaster Management**

**Objectives**

1. Understanding concept of disaster management its approaches and aspects.
2. Concept of mitigation in broader sense.
3. Phases of disaster management with clear explanation of each phase.

**UNIT - I**

Introduction : Meaning, Concept and Scope of Disaster Management, Methods and Approaches, Research and Prediction.

**UNIT-II**

Mitigation : Meaning and concept. Targeting mitigation. Action to reduce Risk. Classification of Mitigation Measures. Mitigation Packages.

**UNIT-III**

Phase of Emergency Management. Concepts of Phases. Definition and Description of each phase. Organization Adaptation to Disaster. Conceptual issues. Recent Trend in adaptation and mitigation. Mainstreaming disaster risk reduction in development. Psychosocial care provision during the different phases of disaster.

**S.S.JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE  
RAMBAG CIRCLE, JAIPUR-302015  
DEPARTMENT OF GEOGRAPHY**

**SYLLABUS**

Part-A : 15 Short Questions : 15x2 M.Each	=30M.
Part-B : 3 Essay Questions from each unit with internal choice 3x10M.Each	=30M.
Part-C : 1 Case Study Question (Compulsory) 1x10 M.Each	=10M.
Total Marks of Exam	= 70M.

Internal Assessment (CIA)	= 30M.
Maximum Marks per paper	= 70M.
Minimum Marks	= 28M

**One Year P.G. Diploma Programme  
[Disaster Management]**

**Paper-III, Disaster Prone Areas & Management in India**

**Objectives**

1. Critically examining the disaster prone areas.
2. Broader study of Gujarat, Bihar Disaster and Bhopal Gas Tragedy.
3. Management techniques in India with reference of disaster.
4. Studying rehabilitation its approaches, ways, and distribution.
5. Understanding Institutional and Legal Framework for disasters in India.

**UNIT-I**

Disaster prone Areas : All India Classification of such areas. Manmade disaster in India. Disaster Management Act 2005 and Policy guidelines, Indian Institute of Disaster Management, National Disaster Response Force (NDRF). Disaster Management authorities of National, State and Local Level (Bhopal Gas Tragedy). Natural Disaster (Katch Earthquake, Landslide in north east, Heat Waves of Andhra Pradesh & Orissa, Cyclone and Tsunami in South India, Bihar Floods). Measures and remedies.

**UNIT-II**

Management in India : Earthquake, Tsunami, Landslide, Flood, Draught and Famine Management. Management of Manmade Disaster : Biological & Nuclear. Co-ordination : Definition, Objective, Improved Efficiency, Speed of Humanitarian Assistance, Achieving Coordination, Techniques which facilitate coordination, Collaboration, Joint Strategies, Planning and Programming.

**UNIT-III**

Re-habilitation approaches & policies in India, Hindrances for normalization. Approaches : Ad Hoc approach, Single Sector Approach. Re-habilitation: Housing and Material distribution for Rehabilitation.

**S.S.JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE  
RAMBAG CIRCLE, JAIPUR-302015  
DEPARTMENT OF GEOGRAPHY**

**SYLLABUS**

Part-A : 15 Short Questions : 15x2 M.Each	=30M.
Part-B : 3 Essay Questions from each unit with internal choice 3x10M.Each	=30M.
Part-C : 1 Case Study Question (Compulsory) 1x10 M.Each	=10M.
Total Marks of Exam	= 70M.
Internal Assessment (CIA)	= 30M.
Maximum Marks per paper	= 70M.

**One Year P.G. Diploma Programme**  
**[Disaster Management]**  
**Paper – IV , Disaster Preparedness & Planning**

**Objectives**

1. Understanding main objectives, strategies, principles of disaster management.
2. Understanding use of information and technology in disaster management.
3. Examining whole concept of Techniques and machines in disaster management.
4. Knowing the role of International Agencies and their response in disaster management.
5. Knowledge about Economical and Financial concept of disaster management.
6. Understanding the Role of institutional organizations and governmental policies.

**UNIT-I**

Introduction : Main Objectives, , Planning & Strategies of Disaster management and preparedness, dealing with disaster management, Principles of Disaster Planning. Myths in Disaster Planning. Disaster Risk-assessment; Risk Mapping, Risk identification, Factors influencing Disaster Risk. Limitations of Risk assessment. Principles of Disaster Medical Management.

**UNIT-II**

Technological uses for Information Management. Managing Information during Emergencies, Identification of Information Needs, "With Onset of Crisis", Disaster Communication Problems, Steps in Operations Planning, Data Gathering and Emergency Management, Management Function, Establishing the Baseline, Category of Data, Geographic Information Systems (GIS), Global Positions Systems (GPS), The World Wide Web, Data Analysis and Information Production, Information Dissemination, Communication with Public, Warning Effectiveness, Use of the Media in Information Dissemination, Types of Media and their information needs, building institutional policies.

**UNIT-III**

Planning : Role of Planning in complex emergencies, DRR (Disaster Risk Reduction) Master Planning for the future, Role of International Agencies for Disaster Response, Coordination, Economical and Financial aspects of Disaster Management. Institutional organization and Governmental Policies.

**S.S.JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE**  
**RAMBAG CIRCLE, JAIPUR-302015**  
**DEPARTMENT OF GEOGRAPHY**

**SYLLABUS**

**One Year P.G. Diploma Programme**  
**[Disaster Management]**

**Max.M.: 100, Mini.M. : 40**

**Paper – Practical**

**Objective :**

Making student understand how to cope and deal with disaster through disaster management practicals.

The Students will undertake a field study for in depth knowledge of given topics.

Rescue Operation during fire, flood, earthquake, drought etc. Use of minimal resources available during disaster, first aid during disaster (natural and manmade). Preparedness before the arrival of disaster (through forecasting information). Basic first aid kit. Use of Laboratory apparatus.

**S.S.JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE  
RAMBAG CIRCLE, JAIPUR-302015  
DEPARTMENT OF GEOGRAPHY**

**SYLLABUS**

**One Year P.G. Diploma Programme  
[Disaster Management]**

**Max.M.: 100, Mini.M. : 40**

**Project Report based on field study.  
Case Study and Dissertation.**

Study on :

- 1) Disaster hit and disaster prone areas both natural and manmade.
- 2) Risk of communicable disease during disaster.
- 3) Development of Disaster Preparedness plans.
- 4) Major Stampedes in India.
- 5) Planning Nutrition intervention programmes
- 6) Local traffic accidents in India.
- 7) Kutch Earthquake.
- 8) Mayapuri radiation exposure in
- 9) Train Accidents.
- 10) Tsunami (2004).
- 11) Disaster Management Structure of India.

## Books

1. Manual on Natural Disaster Management in India - M.C. Gupta, NIDM, New Delhi.
2. An Overview on Natural & Man-made Disasters and their reduction, R.K. Bhandari, CSIR, New Delhi.
3. Encyclopedia of Disaster Management, vol. I, II & III Disaster Management Policy and Administration, S.L. Goel, Deep & Deep Publication, New Delhi.
4. Disaster Management Act - 2005, Published by Govt. of India.
5. National Disaster Management Policy, 2009, GOI.
6. Publication of National Disaster Management Authority (NDMA) on Various Templates and Guidelines for Disaster Management.
7. Disaster Preparedness Kit, American Redcross.
8. Bryant Edwards 2005 : Natural Hazards, Cambridge University Press, U.K.
9. Sahni, Pradeep et.al. (eds.) 2002, Disaster Mitigation Experiences and Reflections, Prentice Hall of India, New Delhi.
10. Roy, P.S. Space Technology for Disaster Management : A Remote Sensing & GIS Prospective, Indiasn Institute of Remote Sensing (NRSA) Dehradun.
11. Taori, K (2005) Disaster Management Through Panchayati Raj, Concept Publishing Company, New Delhi.
12. Sharma, R.K. & Shirma, G. (ed), Natural Disaster, APH Publishing Corporation, New Delhi.
13. Disaster Administration and Management, Text & Case Studies - S.L. Goel, Deep and Deep Publication, New Delhi.
14. Heinrich, H.W., "Industrial Accident Prevention" McGraw - Hill Company, New York.
15. Ghosh G.K., Disaster Management- APH Publishing Corporation, New Delhi.
16. Sharma, K. Vinod - Disaster Management NIDM, New Delhi.
17. Sahni, Pradeep, Disaster Risk Reduction in South Asia - Prentice - Hall of India.
18. Singh, Shailendra K., Kundu, Subhash C., and Singh, Shobha, Disaster Management, Mittal Publication, New Delhi.