

North Maharashtra University,
Jalgaon



F. Y. B.com (Elective - Geography of Disaster Management)

Semester I & II

Choice Based Credit System (CBCS)

With effect from June 2018

Vijay
Prof. V. J. Patil

North Maharashtra University, Jalgaon

FACULTY OF COMMERCE & MANAGEMENT

F. Y. B.Com – w. e. f. June 2018

SEMESTER: I

Paper: 107 g - Elective Geography of Disaster Management (Part – I)

CBCS Pattern:

External Marks 60

Internal Marks 40

Silent Features:

- Basic concept in Disaster Management.

Utility:

- To Understand Definitions and Terminologies used in Disaster Management.
- To know the most efficient and effective methods to prevent natural and man – made calamities.

Learning Objectives:

- To understand basic concepts in Disaster Management.
- To create awareness on disasters through intensive public education
- To Understand Types, Categories and impact of Disasters.

Pre-requisites:

World Map – Models – Charts – Audio – Visual aids. etc.

Unit No	Topic	Sub – Topic	Marks
1	Introduction	1. Meaning, Nature and Characteristics of Disaster 2. Classification of Disasters 3. Importance of Disaster Studies 4. Aims And Objectives of Disaster Studies 5. Difference between accidents and disasters	10
2	Geo – Physical Disaster	Causes, Effects and Management (Pre, During, Post) of following Disasters. 1. Earthquake 2. Land Slide 3. Tsunami 4. Landslide and Mining 5. Volcanic Eruption	10
3	Atmospheric Disaster	Causes, Effects and Management (Pre, During, Post) of following Disasters. 1. Cyclone 2. Floods 3. Drought 4. Lighting 5. Hailstorms	10

4	Man Made Disaster	Causes, Effects and Management (Pre, During, Post) of following Disasters. 1. Fire – Building fire, Coal fire, Oil fire, and forest fire 2. Terrorism 3. Accidents – Road accidents, Rail accidents, Water accidents, Air accidents 4. Wars 5. Chemical disaster	10
5	House Hold Disasters	Causes, Effects and Management (Pre, During, Post) of following Disasters. 1. Gas Cylinder Explosion 2. Short Circuits 3. Snake & Dog Bite 4. Electric Shock	10
6	Global Environmental Problems	Causes, Effects and Management 1. Global Warming 2. Ozone Depletion 3. Epidemics 4. Famine	10

Reference Books: -

1. Disaster Management; Future challenges and opportunities, Editor: Jagbir Singh . K. International Publishing House Pvt. Ltd., New Delhi, Mumbai, Bangalore.14
2. Concept and Practices in Disaster Management, Colonel (Retd.) P.P. Marathe, Diamond Publications,1691, SadashivPeth , Near Grahakpeth, Pune 411030
3. Hand Book of Effective Disaster: Recovery, Planning, Mc Grow Hill Publ.London
4. The Book of Natural Disaster: Alladin Books Ltd., London.
5. Disaster Management: Ed. Vinod Sharma, National Center for Disaster Management, Indian Institute of Pub. Administration,Indraprastha Estate, Ring Road New Delhi 110002.
6. Earthquake: A.K.R. Hemmody, NBT of India.
7. Disaster Preparedness, Council for Advancement of Peoples Action and Rural Technology, D- Block, Ponkha Road Janakpuri, New Delhi, 110075.
8. Disaster in India studies of grim Reality, AnuKapur and Neeta Meena Deeplima, Roshani, Debhanjal, Rawat Publication, Jaipur.
9. Environmental Geography and Natural Hazards, A.A. Pirazizi Concept Publication Co., New Delhi.

Vinod Sharma
P.P. Marathe

North Maharashtra University, Jalgaon

FACULTY OF COMMERCE & MANAGEMENT

F. Y. B.Com – w. e. f. June 2018

SEMESTER: II

Paper: 207 g - Elective - Geography of Disaster Management (Part – II)

CBCS Pattern:

External Marks 60

Internal Marks 40

Silent Features:

- Role and responsibilities of different agencies and government in Disaster Management.

Utility:

- To understand role of various modern technologies in Disaster Management.

Learning Objectives:

- To know role & responsibilities of Different Agencies & Government
- To know the Importance of planning in disaster preparedness.
- To get information regarding disaster medicine.

Pre-requisites:

World Map – Models – Charts – Audio – Visual aids. etc.

Unit No	Topic	Sub – Topic	Marks
1	Role & Responsibilities of Different Agencies & Government	1. Role of Information, Education, Communication & Training 2. Role & Responsibilities of Central, State, District & Local Administration 3. Role & Responsibilities of Armed Forces, Police, Para Military forces 4. Role & Responsibilities of NGO's & International Agencies	10
2	(A) Manifesting Disaster (B) Mitigations of Disaster	1. Resources planning & Mobilization 2. Immediate Survival Kit 3. Medical Kit 4. Riské Equipment 5. Do's and Don'ts during disaster 1. Provision of Financial Resources 2. Construction of permanent Infrastructure 3. Establishment of controlling centers	10

3	Technologies for Disaster Management	1. Role of IT in Disaster Management 2. Role & Application of RS, GIS & GPS in Disaster Management	10
4	Disaster Preparedness	1. Introduction 2. Warning & Alarm System 3. Importance of planning in disaster preparedness 4. Pre & Post disaster phases 5. Community-based disaster preparedness plan 6. Disaster Mapping & its applications	10
5	Disaster Response	1. Introduction 2. Disaster Response Plan 3. Damage Assessment & its Techniques 4. Role of youth organizations in disaster management 5. Human behavior in disaster management 6. Types and sources of stress regarding disaster event	10
6	Disaster Medicine	1. Introduction 2. Epidemiological study of disasters. 3. Clinical casualty management 4. Immunization and vaccination 5. Logistics management, logistic support plan	10

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1. Disaster Management; Future challenges and opportunities, Editor: Jagbir Singh.K. International Publishing House Pvt. Ltd., New Delhi, Mumbai, Bangalore.14
2. Concept and Practices in Disaster Management, Colonel (Retd.) P.P. Marathe,Diamond Publications,1691, SadashivPeth , Near Grahakpeth, Pune 411030
3. Hand Book of Effective Disaster: Recovery, Planning, Mc Grow Hill Publ.,London.
4. The Book of Natural Disaster: Alladin Books Ltd., London.
5. Disaster Management: Ed. Vinod Sharma, National Center for DisasterManagement, Indian Institute of Public Administration, Indraprastha Estate, Ring Road New Delhi 10002.
6. Earthquake: A.K.R. Hemmody, NBT of India.

7. Disaster Preparedness, Council for Advancement of Peoples Action and Rural Technology, D- Block, Ponkha Road Janakpuri, New Delhi, 110075.
8. Disaster in India studies of grim Reality, AnuKapur and Neeta Meena Deeplima, Roshani, Debhanjal, Rawat Publication, Jaipur.
9. Environmental Geography and Natural Hazards, A.A. Pirazizi Concept Publication Co., New Delhi, 110059.
10. Disaster in India: Studies of grim Reality, AnuKapur and Neeta Meena Deeplima ,Roshani, Debhanjal, Rawat Publication, Jaipur.
11. Practical Disaster Management: Col. P. P. Marathe; Diamond Publication, Pune.
12. Natural Disaster: Ahmad Husain; Sumit Enterprises, New Delhi.
13. <http://www.ignou.ac.in>, Post Graduate Diploma in Disaster Management (PGDDM).

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