

Four Year Under Graduate Course under NEP-2020

Multidisciplinary Course (MDC)

COURSE TITLE: DISASTER MANAGEMENT

Credit: 03

Total Marks:75

**[End Semester Examination: 60 Marks, Report Writing (Internal Assessment): 10 Marks,
Attendance: 05 Marks; Total: 60+10+5=75 Marks]**

Objective of the Course:

1. To understand the concept of hazard, risk, vulnerability and disaster;
2. To develop skills on Disaster management cycle;
3. To know the institutional arrangement for Disaster Management;
4. To gain knowledge on disaster response and recovery;
5. To develop practical skill to prepare report on disaster.

Outcome of the Course:

1. Understand disasters, disaster preparedness and apply the mitigation measures;
2. Apply knowledge of disaster management acts and guidelines;
3. Understand the nature, cause and effects of disasters;
4. Comprehend the importance of disaster management and the need of awareness;
5. Enable to prepare report on different disaster at international, national, regional and local level.

COURSE CONTENT (Theoretical)

Merks-60

Unit-I: Introduction to Disaster Management

- a) Concept of the hazard, risk, vulnerability and disaster;
- b) Types of disaster: Natural and Man-made;
- c) Nature, importance, dimensions and scope of Disaster Management;
- d) Disaster Management Cycle: mitigation, preparedness, response, recovery;
- e) Institutional arrangement for Disaster Management: Disaster Management Act. and National Policy on Disaster Management.

Unit-II: Disaster Preparedness and Awareness

- a) Concept and nature of disaster preparedness and awareness;
- b) Disaster preparedness plane: Earthquake, Landslide, Accidental Fire, Different Accidents and Snakebite;
- c) Community based Disaster Management preparedness and awareness;
- d) Role of IT in Disaster Management preparedness and awareness.

Unit-III: Disaster Response, Recovery and Management

- a) Disaster Risk Reduction Crisis Management;
- b) Needs of damage assessment: types and technique;
- c) Disaster response by Central, State and Local Authority;
- d) Disaster Recovery and Rehabilitation.

REPORT WRITING (Internal Assessment)

Marks-10

Student will choose any topic related to any types of disaster (Natural and Man-Made) at International, National, Regional and Local level occurred during last 10 years and students have to submit a report relevant to disaster management in a particular any topic and at any level.

Selected Readings:

1. Disaster Management Guidelines, GOI-UND Disaster Risk Program (2009-2012) 2
2. Damon, P. Coppola, (2006) Introduction to International Disaster Management, Butterworth Heineman.
3. Gupta A.K., Niar S.S and Chatterjee S. (2013) Disaster management and Risk Reduction, Role of Environmental Knowledge, Narosa Publishing House, Delhi.
4. Murthy D.B.N. (2012) Disaster Management, Deep and Deep Publication PVT. Ltd. New Delhi.
5. Modh S. (2010) Managing Natural Disasters, Mac Millan publishers India LTD.
6. Carter, W. Nick (1991), Disaster Management: A Disaster Manager's Handbook, Asian Development Bank, Manila
7. Green Stephen.1980. International Disaster Relief: Towards A Responsive system, Mc Graw Hill Book Company, New York.
8. Prakash, Indu (1995), Disaster Management, Rashtra Prahari Prakashan, Gaziaba
9. Talwar, Arun Kumar, Juneja and Satish (2008): Encyclopedia of Disaster Management (10 volumes)- saujanya books, Delhi
10. Damon P. Coppola (2006) : Introduction to International Disaster Management.
11. Smith K and Petley DN. (2009): Environmental Hazards: Assessing risk and reducing disaster. 5th edition, Routledge: New York.