

## Generic Elective (GE)

### 1. Disaster Management

#### Course Objectives:

- 1) This course shall introduce the basic concepts related to disaster management.
- 2) This paper shall elucidate about disasters in India.
- 3) This course shall provide detailed understanding related to human induced disasters, and response and mitigation of disasters.

#### Learning Outcomes:

1. This paper shall enable the students to understand basic concepts and issues related to disaster management.
2. This course shall enable the students to comprehend about causes, impact, distribution and mapping of disasters in India.
3. Students shall be well-versed with the analysing the response and mitigation of disasters.

#### Course Contents:

4. Hazards, Risk, Vulnerability and Disasters: Definition and Concepts.
5. Disasters in India: (a) Causes, Impact, Distribution and Mapping: Flood, Landslide, Drought.
6. Disasters in India: (b) Causes, Impact, Distribution and Mapping: Earthquake, Tsunami and Cyclone.
7. Human induced disasters: Causes, Impact, Distribution and Mapping.
8. Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During Disasters

#### References:

#### Essential:

1. Government of India. (1997). *Vulnerability Atlas of India*. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
2. Kapur, A. (2010). *Vulnerable India: A Geographical Study of Disasters*. Delhi, India: Sage Publication.
3. Modh, S. (2010) *Managing Natural Disaster: Hydrological, Marine and Geological Disasters*, Macmillan, Delhi.
4. Singh, R. B. (ed.). (2006). *Natural Hazards and Disaster Management: Vulnerability and Mitigation*. India: Rawat Publications.
5. Singh, R.B. (2005) *Risk Assessment and Vulnerability Analysis*. Delhi, India: IGNOU. Chapter 1, 2 and 3

## Suggestive:

1. Sinha, A. (2001). *Disaster Management: Lessons Drawn and Strategies for Future*. Delhi, India: New United Press.
2. Stoltman, J.P. et al. (2004). *International Perspectives on Natural Disasters*. Dordrecht, The Netherlands: Kluwer Academic Publications.
3. Singh, J. (2007). *Disaster Management Future Challenges and Oppurtunities*. New Delhi, India : I.K. International Pvt. Ltd.

## Teaching Learning Plan

Week 1: Unit I

Week 2: Unit I

Week 3: Unit II

Week 4: Unit II

Week 5: Unit III

**Week 6: Mid-Semester Examinations**

**Week 7: Mid-Semester Break**

Week 8: Unit III

Week 9: Unit IV

Week 10: Unit IV

Week 11: Unit V

Week 12: Unit V

## Assessment Methods:

Unit No.	Course Learning Outcomes	Teaching and Learning Activity	Assessment Tasks
1	Hazards, Risk, Vulnerability and Disasters: Definition and Concepts.	Classroom lectures and utorials	Assignments, PPT, classroom test.
2	Disasters in India: (a) Causes, Impact, Distribution and Mapping: Flood, Landslide, Drought.	Classroom lectures and utorials	Assignments, PPT, classroom test.

3	Disasters in India: (b) Causes, Impact, Distribution and Mapping: Earthquake, Tsunami and Cyclone.	Classroom lectures and tutorials	Assignments, PPT, classroom test.
4	Human induced disasters: Causes, Impact, Distribution and Mapping.	Classroom lectures and tutorials	Assignments, PPT, classroom test.
5	Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and	Classroom lectures and tutorials	Assignments, classroom test, end semester
	Community-Based Disaster Management; Do's and Don'ts During Disasters		examination.

**Keywords:** Disaster Management, Hazard, Risk, Vulnerability, Human induced disasters, Disaster Mitigation and Preparedness, NDMA, NIDM.