



**SEMESTER – IV**

<b>Course Code: BD4E4</b>	<b>Credits: 5</b>
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*Elective Course*

**DISASTER MANAGEMENT**

**COURSE OBJECTIVES**

CO1: Comprehend the meaning, definitions and concept of disaster management.

CO2: Understand the different theories of disaster management.

CO3: Develop knowledge on cognizance of recent updates on disaster management Acts and guidelines of State and Union Governments.

CO4: Acquaint with the approaches, techniques and application of Science & Technology to encounter disasters and any other emergencies.

CO5: Realize their role in prevention and rescue in disaster emergency.

**UNIT – I: INTRODUCTION TO DISASTER MANAGEMENT**

Disaster Management: Meaning and definitions - Types: Geological, Biological and Man-made Disasters – Global Disaster trends – Emerging risk of Disasters – Climate change.

**UNIT – II: APPROACHES AND TECHNIQUES OF DISASTER MANAGEMENT**

Disaster Management: Principles and Framework Cycle – Theories of Disaster Management: Sustainable Development theory, Emergency Management theory, System theory, Policy making theory and Networking & Management theory.

**UNIT – III: DISASTER MANAGEMENT IN INDIA**

Disaster profile of India – Mega Disasters of India and lessons learnt - Disaster Management Act 2005 – Institutional and financial Mechanism - National policy on Disaster Management - National guidelines and plans on Disaster Management.

**UNIT – IV: AGENCIES OF DISASTER MANAGEMENT**

International Agencies: The Asian and Pacific Centre for Transfer of Technology (APCTT), FAO, UNDP, UNICEF, UNESCO, UNFPA, WFP, International Strategy for Disaster Reduction



(ISDR) – Disaster Management Agencies in India: National Disaster Response Force (NDRF); National Disaster Management Authority (NDMA); National Institute of Disaster Management (NIDM); State Disaster Management Authority (SDMA) – NGO's – Social Media

## **UNIT – V: ROLE OF EDUCATIONAL INSTITUTIONS IN DISASTER MANAGEMENT**

Role of Teachers: General awareness in Schools/Colleges - Creating the Disaster prevention and response plan - Constituting of prevention and resource teams - Action plan check list - Role of Students: Plan before, during and after Earthquake, Landslides, Floods, Cyclone-warning, and high-rise fire.

### **SUGGESTED ACTIVITIES**

1. Conduct a seminar on the role of Science & Technology on Disaster Management.
2. Invited lecture by legal expert on various legal measures on Disaster Management.
3. Preparation of Disaster Risk Management Plan of an Area or Sector.
4. Study of Recent Disasters (at local, state and national level).
5. Write a reflective report on disaster management agencies at international and national level.

### **TEXT BOOKS**

1. Coppola, D. P, (2007). Introduction to international disaster management. London: Elsevier Science (B/H).
2. David Alexander. (1999). Natural disasters. London: Kluwer Academic.
3. Modh, S. (2010). Managing natural disasters. New Delhi: Mac Millan Publishers.
4. Murthy, D.B.N. (2012) Disaster management. New Delhi: Deep and Deep Publication.
5. Srivastava, H.N. & Gupta, G.D. (2006). Management of natural disasters in developing countries. Delhi: Daya Publishers.

### **SUPPLEMENTARY READINGS**

1. Angus, M. G. (2008). Encyclopedia of disasters: Environmental catastrophes and human tragedies. (Vol. 1 & 2) Greenwood Press.
2. Anu Kapur (2005). Disasters in India studies of grim reality. Jaipur: Rawat Publishers,
3. Disaster Management Guidelines. GOI-UND Disaster Risk Program (2009-2012).



4. Goyal, S. L. (2006). Encyclopedia of disaster management, disaster management policy and administration, (Vol I, II & III), New Delhi: Deep & Deep Publications.
5. Gupta, A. K; Niar, S.S & Chatterjee, S. (2013). Disaster management and risk reduction, role of environmental knowledge. Delhi: Narosa Publishing House.

### E-RESOURCES

1. <http://www.wui.org>
2. <http://www.ifvc.org>
3. <https://www.mba.gov.in>
4. <http://www.unoosa.org>
5. <http://www.ndvf.gov.in>

### COURSE OUTCOMES

After completion of this course, the student-teacher will be able to :

CO1: analyze the different types of Disaster Management.

CO2: apply the techniques and approaches to Disaster Management.

CO3: describe national Policy on Disaster Management.

CO4: discuss the role of various international and national agencies of disaster management.

CO5: explain knowledge on role of educational institutions in disaster management.

### OUTCOME MAPPING

COURSE OUTCOMES	PROGRAMME SPECIFIC OUTCOMES																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
<b>CO1</b>			✓H✓				*																	
<b>CO2</b>		*			*		*					*												
<b>CO3</b>		*					*			*		*												*
<b>CO4</b>							*			*								*						*
<b>CO5</b>						*	*			*			*			*								*