

18CEMC01		DISASTER PREPAREDNESS AND PLANNING			L	T	P	C
					2	0	0	0
Course Objectives:								
1.	Learn to demonstrate a critical understanding of key concepts in disaster risk reduction and humanitarian response.							
2.	Critically evaluate disaster risk reduction and humanitarian response policy and practice from multiple perspectives.							
3.	Develop an understanding of standards of humanitarian response and practical relevance in specific types of disasters and conflicts situations.							
4.	Critically understand the strengths and weaknesses of disaster management approaches, planning and programming in different countries, particularly their home country or the countries they work in.							
Unit I		REPERCUSSIONS OF DISASTERS AND HAZARDS			9	+	0	
Introduction, Disaster-Definition, Factors and Significance; Difference Between Hazard and Disaster; Natural and Manmade Disasters: Difference, Nature, Types and Magnitude. Economic Damage, Loss of Human and Animal Life, Destruction of Ecosystem. Natural Disasters: Earthquakes, Volcanisms, Cyclones, Tsunamis, Floods, Droughts, And Famines, Landslides and Avalanches, Man-made disaster: Nuclear Reactor, Meltdown, Industrial Accidents, Oil Slicks and Spills, Outbreaks of Disease, Epidemics, War and Conflicts.								
Unit II		DISASTER PRONE AREAS IN INDIA			9	+	0	
Study of Seismic Zones; Areas Prone to Floods and Droughts, Landslides and Avalanches, Areas Prone to Cyclonic and Coastal Hazards with Special Reference to Tsunami.								
Unit III		DISASTER PREPAREDNESS AND MANAGEMENT			9	+	0	
Preparedness: Monitoring of Phenomena Triggering a Disaster or Hazard, Evaluation of Risk: Application of Remote Sensing, Data from Meteorological and Other Agencies, Media Reports: Governmental and Community Preparedness.								
Unit IV		DISASTER MITIGATION			9	+	0	
Meaning, Concept and Strategies of Disaster Mitigation, Emerging Trends in Mitigation. Structural Mitigation and Non-Structural Mitigation, Programs of Disaster Mitigation in India.								
Unit V		REHABILITATION OF ENVIRONMENT			9	+	0	
Disasters, Environment and Development - Factors affecting vulnerability such as impact of developmental projects and environmental modifications (including of dams, land use changes, urbanization etc.), sustainable and environmental friendly recovery; reconstruction and development methods.								
Total 45 Periods								
Course Outcomes:								
<i>Upon completion of this course, the students will be able to:</i>								
CO1	:	To identify the different disasters and its causes.						
CO2	:	To identify the vulnerable areas of disasters in India.						
CO3	:	To get knowledge about preparedness during disasters.						
CO4	:	To analyse the risk in disasters.						
CO5	:	To know the corrective measures to mitigate disasters.						
Text Books:								
1.	Sahni, Pardeep, "Disaster Mitigation Experiences and Reflections", Prentice Hall of India, New Delhi. 4th Edition, 2011.							
2.	Goel S.L, "Disaster Administration and Management Text and Case Studies", Deep & Deep							

	Publication Pvt. Ltd., New Delhi, 2007.
Reference Books:	
1.	Nishith, R and Singh, A.K, "Disaster Management in India: Perspectives, issues and strategies", New Royal book Company,2007.

CO-PO-PSO MAPPING

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	1	1	1	1	1	1	1	3	3	3	3	2	2	2
CO2	3	1	2	1	2	13	1	3	1	2	1	1	1	3	1
CO3	1	3	2	1	2	1	3	1	2	1	3	2	3	1	1
CO4	1	1	1	2	2	2	2	2	2	1	3	1	3	3	1
CO5	1	2	1	2	3	2	1	3	3	2	3	1	2	1	1

1 - Slightly

2 - Moderately

3 - Strongly