

Subject Code: 2CM1010431	Subject Title: Disaster Management
	COURSE TYPE : SOFT SKILLS

Course Objective: The course aims at developing students' understanding for various disasters. The course also prepares students to deal with disasters.

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)		
Lecture	Tutorial	Practical	Credit	University Assessment	Institutional Assessment	Total
3	-	-	3	70	30	100

Subject Contents			
Sr. No	Topic	Total Hours	Weight (%)
1	Nature of Environmental Studies: • Introduction of Environment, • Definition of Environment & Environmental Studies, • Scope of Environmental studies, • Need for Public Awareness, • Institutions in Environment, • Some important thinkers in environment. Understanding Disasters: • Meaning of Disaster & Disaster Management, Nature, • Characteristics, and Types of Disasters, • Causes and Effects of Disaster	9	25%
2	Natural Resources: Introduction, Classification of natural resources, Forest: Definition of Forest ▪ Past and Present status of Forest, ▪ Reasons for deforestation, ▪ Threats associated with deforestation, ▪ Conservation of forests. Minerals: Classification of minerals, Mineral resources of India, Uses of Minerals. Geological and Mountain Area Disasters: Causes and Remedies – Earthquakes, Volcanic Eruption, Landslides, Snow Avalanches.	9	25%
3	Ecosystems: introduction of an ecosystem, ▪ Structure and functions of an ecosystem, ▪ Types & characteristics of an ecosystem. Wind and Water Related Natural Disaster: Causes and Remedies -Floods and Flash Floods, Droughts, Cyclones, Tsunamis.	9	25%
4	Man Made Disasters: Concepts of Manmade Disaster & Types of Manmade Disaster Fires and Forest Fires, Nuclear, Biological and Chemical Disaster, Road Accidents. Environmental Pollution: Air pollution, Water Pollution, Soil Pollution, Marine Pollution, Nuclear hazards.(Meaning & Concept)	9	25%

Reference Books:

1. Shah J.B and others, Environmental Studies, B.S Prakashan first edition-2012-13
2. Carter, W. Nick, 1991: Disaster Management, Asian Development Bank, Manila.
3. Roy, P.S. (2000): Space Technology for Disaster management: A Remote Sensing & GIS Perspective, Indian Institute of Remote Sensing (NRSA)
4. Sahni, Pardeep et.al. (eds.) 2002, Disaster Mitigation Experiences and Reflections, Prentice Hall of India, New Delhi.