

# DISASTER MANAGEMENT

(Open Elective –I)

**Course Code: 15CE 1164**

<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>

## **Course Outcomes:**

At the end of the course the student shall be able to:

- CO1:** Analyse the natural calamities and manmade disasters.
- CO2:** Understand the relief expenditures and legal aspects
- CO3:** Operate risk and administrative management
- CO4:** Assess the risk management and necessary equipment required.
- CO5:** Prepare and execute the emergency management programme.

## **UNIT – I**

**(10 Lectures)**

**Disasters** – Nature and extent of disasters, natural calamities such as earthquake, floods, drought, volcanoes, forest fires, hazards along the coasts and landslides etc. Manmade disasters such as chemical and industrial hazards, nuclear hazards, fire hazards etc.

## **UNIT – II**

**(10 Lectures)**

**Disaster Management:** Relief measures, Financing the relief expenditure, legal aspects, rescue operations.

## **UNIT – III**

**(10 Lectures)**

**Casualty:** management, risk management, emergency management programme – Administrative setup and Organization.

## **UNIT – IV**

**(10 Lectures)**

**Hazard Analysis:** Training of personnel, information management, Emergency facilities and equipment necessary public awareness Creation

## **UNIT – V**

**(10 Lectures)**

Preparation and execution of emergency management programme.

## **TEXT BOOKS**

1. H.K.Guptha, “Disaster management”, 2<sup>nd</sup> Edition, University Press, 2001.

## **REFERENCES**

1. S.Seetharaman, “Construction Engineering and Management”, 4<sup>th</sup> Edition, Umesh publications, New Delhi, 1999
2. Gupta, M.C., “Manuals on Natural Disaster management in India”, National Centre for Disaster Management, IIPA, New Delhi, 2002