**LESSON PLAN (2024-25)(Disaster Management )(Sem I)**

**Multidiciplinary Course for UG Program**

**Paper Code : 24EVSX01MD01**

**Teacher’s name: Anju, Nidhi, Sugandha**

**Name of the course: Disaster Management**

**July:**

**Week 4**

Introduction to Disaster: Definition, difference between hazard and disaster, understanding natural and manmade disasters, Risk and vulnerability in disaster.

**August:**

**week 1**

Causes and phases of disaster, rapid onset and slow onset disaster, nature and responses to geo hazards

**Week 2**

Reasons of disaster: population growth, urban expansion, pollution, epidemics , accidents, disaster profile of India.

**Week 3**

Natural and anthropogenic disaster ; earthquake introduction and causes

**Week 4**

Types and impacts of earthquake, flood introduction

 **September:**

 **Week 1**

Types and impact of floods, Landslides introduction

**Week 2**

Responsible factors, causes and effects of landslides

**Week 3**

Drought introduction, different types of droughts- meteorological, agricultural, hydrological and its effects

 **Week 4**

Cyclone and hurricanes

**October:**

**Week 1**

Tsunamis : reasons and its impacts

**Week 2**

CBRN : Introduction, Chemical and Biological disaster : causes and effects

**Week 3**

Radiological and nuclear disasters : causes and effects ,Sociological hazards- crime, terrorism , war, Class Test

**Week 4**

Disaster Preparedness and mitigation : Definition, Disaster management cycle of earthquake, floods, drought, landslides and cyclone: prevention, preparation and mitigation

**November:**

**Week 1**

Disaster information ,disaster response,

**DIWALI HOLIDAY**

**Week 2**

disaster rehabilitation, reconstruction and recovery

**Week 3**

Role of National Disaster Management Authority (NDMA), Revision,Class Test

**LESSON PLAN (2024-25)(DISASTER MANAGEMENT)(Sem 3)**

**Open Elective for PG Program**

 **Paper Code : 17ENV02**

**Teacher’s name: Anju, Nidhi, Sugandha**

**Name of the course: Disaster Management**

**August:**

**Week 2**

Disaster: introduction**,** causes , phases and types , rapid onset and slow onset disasters

**Week 3**

Nature and responses to geo-hazards, trends in climatology, meteorology and hydrology

**Week 4**

Seismic activites, changes in coastal zone, coastal erosion, beach protection, coastal erosion due to natural and manmade structures

 **September:**

 **Week 1**

Flood : Introduction ,causes and hazards associated with it, flood forecasting, flood management,

**Week 2**

Integrated Flood Management and Information System (IFMIS) , flood control

**Week 3**

Structure and nature of Tropical Cyclone

 **Week 4**

Tsunami: its causes and characteristics, class test

**October:**

**Week 1**

Earthquake: introduction, causes and characteristics of ground motion

**Week 2**

Earthquake scale: magnitude and intensity, earthquake hazard and risk

**Week 3**

Volcanic landforms , eruption ,early warning from sattellite

**Week 4**

Risk mitigation and training, Landslides, Class test

**November:**

**Week 1**

**DIWALI HOLIDAY**

**Week 2**

UN Draft resolution on strengthening of coordination of Humanitarian Emergency Assistance, International Decade For Natural Disaster Reduction (IDNDR)

**Week 3**

Policy for disaster reduction , problem of financing and insurance, Class test and revision