

# **ENTRANCE TEST SYLLABUS**

**For One-year PG Programme**

**M.A. / M.Sc. Disaster Management (Session 2026)**

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## **Unit-I**

Concept of Hazards and Disasters

Concept of Vulnerability, Exposure, Capacity, and Disaster Risk and Resilience

Capacity Building and Disaster Risk Reduction

Disaster Management Continuum

## **Unit-II**

Yokohama Strategy (1994)

Hyogo Framework for Action (HFA) (2005-2015)

Sendai Framework for Disaster Risk Reduction (2015-2030)

Sustainable Development Goals (SDGs) (2015-2030)

## **Unit-III**

Origin of the Solar System

Origin and Structure of Earth

Endogenous and Exogenous Processes, Landforms, and their Types

Igneous, Metamorphic, and Sedimentary Rocks

## **Unit-IV**

Environment: Atmosphere, Biosphere, Hydrosphere, and Lithosphere

Society: Population, Gender, Ethnicity, Migration, Conflicts, and Drug Abuse

Global Warming, Global Change

Ecology, Sustainability

## **Unit-V**

India: Physiography and Climate

Water and Forest Resources of India

Emerging Environmental Issues of India: Air and Water Pollution

Land Use Change, Deforestation, Soil Erosion, and Desertification

## **Unit-VI**

Land use and land Cover

Land Capability Classification

Weathering and Erosion and their types

Soil Formation, Soil Profiles, and Soil Conservation

## **Unit-VII**

Fundamentals of Remote Sensing

Geographical Information System (GIS)

Global Navigation Satellite System (GNSS)

Field Survey Tools and Techniques

## **Unit-VIII**

Hydrological Cycle

Surface water and Groundwater

Stream flow and Hydrographs  
Flooding and Floodplains

### **Unit-IX**

Global Environmental Issues  
Water Resources Management  
Air and Water Pollution: Causes, Consequences, and Control  
Water Scarcity

### **Unit-X**

Atmosphere: Origin, Composition, and Structure  
Climate Change and Its Causes  
Climate Change Adaptation and Mitigation  
Renewable and Non-Renewable Forms of Energy

### **Unit-XI**

Disaster Management Act of India (2005)  
Disaster Management Policy of India (2009)  
Disaster Management Plan of India (2019)  
Prime Minister's Ten Point Agenda on Disaster Risk Reduction

### **Unit-XII**

National Action Plan on Climate Change  
Role of UNDRR in Disaster Risk Reduction  
Disaster Management Plan of J&K  
Jammu and Kashmir State Action Plan on Climate Change

### **Unit-XIII**

Disaster Risk Assessment  
Disaster Resilience Index  
Compound and cascading risks  
Risk and Resilience Assessment Procedures

### **Unit-XIV**

Crisis: Concept and Types  
Crisis Management: Concept  
Role of ICT in Crisis Management  
Incident Response System: Concept, Features, and Organizational Structure

### **Unit-XV**

Earthquakes  
Earthquake Mitigation Measures  
Magnitude and Intensity Scales  
Seismic Zonation of India (2025)

### **Unit- XVI**

Research Methodology: Concept  
Scientific Research: Characteristics and Types  
Meaning and Significance Types of Sampling  
Tools of data collection (Questionnaire, Interview, Observation)

**Sd/:**

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