

ENTRANCE TEST SYLLABUS

For One-year PG Programme

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

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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