

**Department of Geography**  
**D.S.B. Campus**  
**Kumaun University, Nainital**  
**Vocational Course: Disaster Management**  
**B.A./B.Sc./B.Com.- 1<sup>st</sup> Semester**  
**(W.E.F. - 2022)**

**Term End Examination: 40 marks**

**Internal Examination: 25 marks**

**Practical Examination: 35 marks**

**Theory: 2 credits**

**Practical: 1 credit**

<b>Unit 1</b>	<b>Understanding Hazards and Disasters (Natural and Human made)</b> Hydro-meteorological (floods, cyclones, drought, geological (earthquake, volcanic eruption, landslides, tsunami) Technological (toxic chemical releases, accidents, oil spills) Complex emergencies (civil strife, wars) Others (fire, pest infestation, epidemics, lightning etc).
<b>Unit 2</b>	<b>Disaster Risk Management Concepts</b> Disaster Risk Assessment, Methodologies and tools for assessing: Hazards, Vulnerability, Capacity/Manageability
<b>Unit 3</b>	<b>Prevention and Mitigation</b> Concept of Prevention, Mitigation options, Issues in information management/expertise Policy issues and strategies for: coordination, planning, monitoring and evaluation, financial considerations/budgets, advocacy.
<b>Unit 4</b>	<b>Preparedness/Response and Post-Disaster management/recovery</b> Preparedness planning & Coordination, Information management, public awareness, Resource management, Warning systems, public information, Rehabilitation, Resettlement.
<b>Training Methodology (Practical)</b>	Interactive Lectures, Group Work, Classroom Exercise (Hazard, Vulnerability, Manageability and Risk Assessment) Mapping, Discussion, Visits, Field Exercise, Presentation, Video Shows Instructional Games

*A. Kumar*

**Department of Geography**  
**D.S.B. Campus**  
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**Vocational Course: Disaster Preparedness**  
**B.A./B.Sc./B.Com.- 2<sup>nd</sup> Semester**

**Term End Examination: 40 marks**

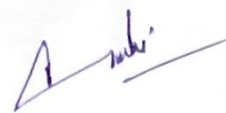
**Internal Examination: 25 marks**

**Practical Examination: 35 marks**

**Theory: 2 credits**

**Practical: 1 credit**

<b>Unit 1</b>	<b>Disaster Prevention</b> Prevention Strategies ((National Policy, legislation, public awareness and education); Problem areas in Prevention (traditional mindset, costs and benefits, developmental problems, other national priorities etc.); Role of Agencies and Institutions (academic/training institutions, research establishments; independent safety organizations; disaster management authorities NGOs, private sector, international disaster assistance agencies, etc).
<b>Unit 2</b>	<b>Disaster Preparedness</b> Concept and Nature of Disaster Mitigation; Components of Disaster Preparedness; Resources relevant to preparedness; problems areas in preparedness; Disaster Preparedness Plans; Disaster Preparedness for People with Special Needs
<b>Unit 3</b>	<b>Preparedness Roles and Responsibilities</b> Disaster Preparedness with relevance with Special needs/Vulnerable groups; Preparedness in relevance to Housing; Infrastructure and Live stock; Use of Technology in preparedness, Community Based Disaster Preparedness Plan.
<b>Unit 4</b>	<b>Disaster Mitigation</b> Concept of Mitigation; Disaster Mitigation Strategies; Emerging trends in Disaster Mitigation; Mitigation Management
<b>Training Methodology (Practical)</b>	Classroom Lectures, Group Discussion, Simulation Exercises (Seismic/Earthquake Vulnerability Assessment), Preparedness Plan Exercises (in reference to a specific disaster), Field Training



**Department of Geography**  
**D.S.B. Campus**  
**Kumaun University, Nainital**  
**Vocational Course: Disaster Response**  
**B.A./B.Sc./B.Com.- 3<sup>rd</sup> Semester**

**Term End Examination: 40 marks**

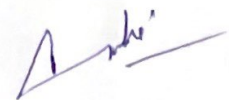
**Internal Examination: 25 marks**

**Practical Examination: 35 marks**

**Theory: 2 credits**

**Practical: 1 credit**

<b>Unit 1</b>	<b>Disaster Response</b> Concept; Components; Phases in disaster response; Important characteristics of Response; Planning; Organizing; Coordination; Leadership; Warehousing; Public Safety; Security; Law and Order
<b>Unit 2</b>	<b>Relief Measures</b> Search, Rescue and Evacuation; Shelter (Transit and Temporary); Hygiene and Sanitation; Livestock relief; Clearance of Debris and Disposal of Dead; Management of Relief Commodities and Services; Drinking Water, Food, and Nutrition; Health and Medicine; Transportation; Power Supply and Communication
<b>Unit 3</b>	<b>Roles, Responsibilities and Financial Relief</b> Government Agencies; Non-Governmental Agencies; Voluntary Agencies; Self-help Groups; Medical Personnel; International Agencies; Immediate Financial Relief; Relevant Relief Codes; Immediate Aid from Prime Minister's Fund; Calamity Relief Fund and Discretionary Fund etc.; to the Disaster Victims.
<b>Unit 4</b>	<b>Recovery</b> Meaning and Significance; Damage and Need Assessment; Logistics Requirements; Assessment of Logistic tools; Requirements for Effective Recovery; Human Factors in Recovery – Coping with Trauma; Recovery Programmes: Relevant Resources; Recovery Planning
<b>Training Methodology (Practical)</b>	Interactive Lectures; Classroom Exercises (Disaster Response); Group Discussions; Participants Presentation; Field Exercise



**Department of Geography**  
**D.S.B. Campus**  
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**Vocational Course: Community Based Disaster Preparedness**  
**B.A./B.Sc./B.Com.- 4<sup>th</sup> Semester**

**Term End Examination: 40 marks**

**Internal Examination: 25 marks**

**Practical Examination: 35 marks**

**Theory: 2 credits**

**Practical: 1 credit**

<b>Unit 1</b>	<b>Fundamentals and Concept</b> Concept of CBDM; Community; Coordination in Community; Community Participation; Women's Participation; Traditional Knowledge; Community Needs
<b>Unit 2</b>	<b>Community Based Disaster Preparedness at the Pre-Disaster stage</b> Understanding facets of the pre-disaster preparedness plan; Mitigation; Risk Assessment and Vulnerability Analysis; Resource and Assessment Mobilization; Insurance
<b>Unit 3</b>	<b>Community Based Disaster Preparedness During-Disaster</b> Search, Rescue and Evacuation; Shelter for victimize; First Aid; Clearance of debris; Medical evacuation and hospitalization; Disposal of human and animal carcasses; Sympathetic attitude towards victims; Assisting rescue teams
<b>Unit 4</b>	<b>Community Based Disaster Preparedness – Post-Disaster Phase</b> Damage assessment; Economic rehabilitation; Social rehabilitation; Women and children rehabilitation; Disasters and development; Educational activities; Monitoring and evaluation; Participatory Approaches for ensuring Community Participation
<b>Training Methodology (Practical)</b>	Preparing Community Action Plan; Interactive Session; Group Discussion; Experience Sharing; Simulation; Field Visit (Community Survey)

  
**Head**  
**Department of Geography**  
**Kumaun University**  
**NAINITAL - 263 002**