

POST GRADUATE DIPLOMA (SAFETY MANAGEMENT- DISASTER) – PART TWO

Optional Early Certificate: - N/A

Syllabus:-

Sr. No.	Module Code	Name of Module	Credits	Total Marks
1	PDSD121	Risk Assessment and Vulnerability Analysis	5	100
2	PDSD122	Disaster, Human Society and Environmental Conservation	5	100
3	PDSD123	Entrepreneurship Development	5	100
4	PDSD124	Disaster Management in India	5	100
5	PDSD125	Practical & Project Work	4	100

Module Name: RISK ASSESSMENT AND VULNERABILITY ANALYSIS

Unit I: Introduction

1. Risk Concepts, Elements Of Risk, Perception of Risk, Acceptable risk, Requirements in Risk assessment
2. Risk Reduction-Mainstreaming “Risk”
3. Role of science and technology in Disaster Risk Reduction
4. Strategies of Risk reduction, International Mobilization of Risk reduction

Unit II: Risk Assessment & Reduction

1. Risk analysis techniques; Process of Risk assessment, Analytical systems for risk assessment, Natural hazard/ risk assessment, Understanding climate risk, Mapping of risk assessment, Decision making for risk reduction, Problems in risk assessment
2. Participatory risk assessment - Rationale for people’s participation, Role of civil society organizations, Impact of Globalization, Activities and roles for the community action Risk reduction, Participatory risk assessment methods

Unit III: Vulnerability

1. Observation and perception of vulnerability- Vulnerability Identification, Vulnerability types and dimensions, Vulnerability- Social factors and economic factors
2. Vulnerability to shanty settlements; Vulnerability in the city, Risk in Urban areas, Issues in urban planning, Initiatives for risk reduction in India

Unit IV: Strategic development for Vulnerability reduction

1. Physical & Social infrastructure for Vulnerability reduction
2. Interactive areas for Vulnerability reduction & Policy making
3. Hazard resistant designs and construction
4. Systematic management and Strategic planning for vulnerability reduction

Module Name: DISASTER, HUMAN SOCIETY AND ENVIRONMENTAL CONSERVATION

Unit I

1. Disaster Perception: Hazard, Risk, Vulnerability and Disaster, Risk and Vulnerability Analysis, Vulnerability Reduction.
2. Disaster Management & Mitigation: Concept and Methods
3. Human Society: Meaning, Definition, Structure, Groups, Community, Caste, Class, Family, Rural Society & Urban Society.

Unit II

1. Population: Meaning, Historical Background, Composition, Literacy; Status and Impact.
2. Migration and Urbanization: Meaning, Causes and Consequences.
3. Population as a Problem: Population Growth, Causes of Rapid Growth in India.

Unit III

1. Environment and Resource: Meaning, Definition, Natural Resources, Human Resource, Financial Resource, Impact of Population Growth on Natural Resources.
2. Sustainable Development: Concept, Meaning, Definitions, Needs, Areas and Strategies.
3. Development and Disaster: Disaster Centric Development.

Unit IV

Legislative Provision for Environmental Conservation

1. Environment (Protection) Act
2. Air Prevention and Control of Pollution Act
3. Water (Prevention and Control) Act
4. Wild Protection Act

5. Forest Conservation Act
6. Environment Impact Assessment (EIA)
7. Disaster Management Act, 2005

Books Recommended

1. Salpekar Aradhna, Rudra Tanmay, 2010, Capacity Building for Disaster Management, Jnanada Prakashan, New Delhi.
2. Kumar Arun, 2008, Global Disaster Management, SBS Publishers and Distributers Pvt. Ltd., New Delhi.
3. Sharma Kadambari, Chiranjeev Avinash, 2010, Disaster Management in India, Jnanada Prakashan, New Delhi.
4. Talwar Arun Kumar, Juneja Satish, 2009, Natural Disaster Management, Common Wealth Publishers, New Delhi.
5. Singh Mahendra, 2008, Natural Calamities in India, Satyam Publishing House, New Delhi.
6. Salpekr Aaradhna, Sharma Kadambari, 2010, Disaster Management and Development Interphase, Jnanada Prakashan, New Delhi.

Module Name: ENTREPRENEURSHIP DEVELOPMENT

1. ENTREPRENEURIAL BEHAVIOUR

- Programme Clarity-Sharing Expectations and Unfreezing
- Data Collection about self
- Introduction to Need System and Motivational Pattern of Entrepreneur
- Risk Taking Behavior
- Analyzing Motive Strength
- Personal Efficacy
- Conceptualizing Entrepreneurial Values
- Achievement Planning
- Tolerance to ambiguities and commitment to entrepreneurial goal
- Leadership and Influencing ability entrepreneurial confidence
- Entrepreneurial goal setting

2. ENTERPRISE LAUNCHING

- Environmental Analysis and Market Study
- Project Selection/Formulation and Presentation
- Project Appraisal
- Financial Analysis
- Forms of Enterprise
- Foreign Collaboration

3. ENTERPRISE MANAGEMENT

- Basic Management Concepts
- Production Management
- Materials Management
- Financial Management Including Costing and Accounting Practices
- Marketing Management
- Personnel Management
- Problem Solving and Innovation
- Business Laws

Module Name: DISASTER MANAGEMENT IN INDIA

1. Disaster Profile of India – Mega Disasters of India and Lessons Learnt
2. Disaster Management Act 2005 – Institutional and Financial Mechanism
3. National Policy on Disaster Management
4. National Guidelines and Plans on Disaster Management
5. Role of Government (local, state and national)
6. Non-Government and Inter Governmental Agencies

Module Name: PRACTICAL & PROJECT WORK