



Subject: Disaster Management - BATPA14318

Type of course: VAC (Value Added Courses)

Prerequisite: NA

Rationale:

This course provides a holistic and multi-scalar understanding of disaster management. It establishes foundational concepts like definitions, types, and the complete Disaster Management Cycle, emphasizing crucial individual and family preparedness. Critically, it then details the Indian legal and institutional framework, focusing on the Disaster Management Act, 2005, across National, State, and District levels, with specific reference to Gujarat's Act (2003). Finally, the curriculum integrates a global perspective, exploring international frameworks and the practical roles of civil servants and key institutions like NDMA, NIDM, and NDRF in building a resilient nation. The course ensures preparedness for policy and action.

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks			Total Marks
CI	T	P		SEE	CCE		
			MSE		ALA		
4	0	0	2	50	20	30	100

Legends: CI-Class Room Instructions; T – Tutorial; P - Practical; C – Credit; ESE-End Semester Examination; MSE- Mid Semester Examination; V – Viva; CA - Continuous Assessment; ALA- Active Learning Activities.

2 Credits * 25 Marks = 50 Marks (each credit carries 25 Marks)

SEE 50 Marks will be converted in to 25 Marks

CCE 50 Marks will be converted in to 25 Marks

It is compulsory to pass in each individual component.



Course Content:

Unit	Course content	Hrs	% Weightage
1	Introduction and Understanding <ul style="list-style-type: none"> ● Meaning and Definition ● Types of Disasters ● Disaster Management Cycle ● Individual and Family Preparedness 	08	25%
2	Institutional and Legal Framework in India <ul style="list-style-type: none"> ● Institutional Framework – <ul style="list-style-type: none"> ● Gujarat State Disaster Management Act, 2003 ● National Level Disaster Management Act, 2005 ● Legal Framework <ul style="list-style-type: none"> ● National Policy on Disaster Management (NPDM) ● Disaster Management Act, 2005: Multi-Tiered Structure: National , State And District Level 	07	25%
3	Global Disaster Management <ul style="list-style-type: none"> ● Importance of Global Disaster Management ● Global Framework and Institutions ● Challenges and Future ● Practical Disaster Management Cycle ● Key Roles of Civil Servants at Global Level 	08	25%
4	National Disaster Management <ul style="list-style-type: none"> ● Role of Civil Servants at Internal level ● NDRF (National Disaster Response Force) ● Civil Defense 	07	25%

Suggested Specification table with Marks (Theory): 50

Distribution of Theory Marks (Revised Bloom's Taxonomy)						
Level	Remembrance (R)	Understanding (U)	Application (A)	Analyze (N)	Evaluate (E)	Create (C)
Weightage	20 %	40 %	20 %	-	20 %	-

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.



Continuous Assessment:

Sr. No	Active Learning Activities	Marks
1	Project Students have to select a major disaster, research causes and impacts, prepare a detailed presentation, and upload the final report to the GMIU web portal.	10
2	Mock drill Students have to arrange a mock drill for a departmental awareness campaign on individual and family emergency preparedness and submit an event picture and report to the GMIU web portal.	10
3	Visit and Submit report on local disaster management Students have to visit local disaster management and external agencies (e.g., Police, Fire, Health, NGOs, NDRF) and submit their findings to the GMIU web portal.	10
Total		30

Course Outcome:

After learning the course the students should be able to:	
CO1	Define disaster types, understand the management cycle, and learn family preparation.
CO2	Study legal acts like DM 2005 and Gujarat 2003 across three government levels.
CO3	Understand global importance, major international frameworks, and the civil servant's role.
CO4	Classify on the critical roles of civil servants, NDMA, NIDM, NDRF, and preparedness measures



Instructional Method:

The course delivery method will depend upon the requirement of content and the needs of students. The teacher, in addition to conventional teaching methods by black board, may also use any tools such as demonstration, role play, Quiz, brainstorming, MOOCs etc.

From the content 10% topics are suggested for flipped mode instruction.

Students will use supplementary resources such as online videos, NPTEL/SWAYAM videos, e-courses, Virtual Laboratory

The internal evaluation will be done on the basis of Active Learning Assignment

Practical/Viva examination will be conducted at the end of semester for evaluation of performance of students in the laboratory.

Reference Books:

- [1] शाह, ड. (2015)., 'आपातकालीन व्यवस्थापन', गुजरात युनिवर्सिटी प्रकाशन, अमदावाड
- [2] पटेल, आर. (2018)., 'प्राकृतिक आइतो अने व्यवस्थापन', स्वार्थ प्रकाशन, वडोडरा
- [3] शर्मा, आर. (2017)., 'प्राकृतिक आपदाओं का प्रबंधन', राजकमल प्रकाशन, नई दिल्ली
- [4] सिंह, के. (2019)., 'आपदा प्रबंधन: सिद्धांत और व्यवहार', वाणी प्रकाशन, नई दिल्ली
- [5] Alexander, D. (2000)., 'Confronting catastrophe: New perspectives on natural disasters', Oxford University Press.

