

Jamia Hamdard
Department of Computer Science & Engineering
School of Engineering Sciences & Technology
Even Semester Examination-2023

Paper Code: BTECE 410/BTCSE 409/BTCSEAI 409

Paper Name: Disaster Management

COURSE OBJECTIVES

Time: 3 Hours

Maximum Marks: 75

1. To provide basic conceptual understanding of disasters and its relationships with development.
2. To gain understand approaches of Disaster Risk Reduction (DRR) and the relationship between vulnerability, disasters, disaster prevention and risk reduction
3. To understand Medical and Psycho-Social Response to Disasters.
4. To prevent and control Public Health consequences of Disasters.
5. To enhance awareness of Disaster Risk Management institutional processes in India
6. To build skills to respond to disasters

Note: Follow proper numbering for answering the questions.

Section A

All questions are compulsory in this Section.

7 X 5 = 35

Q No.	Questions	Marks	CO	BL
1.	Define the concept of a hazard, vulnerability and disaster. What is the relationship between hazard, vulnerability and disaster.	5	1,2	2
2.	What is an earthquake? Describe the different types of waves that are generated during an earthquake.	5	1	1
3.	What is community-based disaster risk reduction (CBDRR), and how does it differ from other approaches to disaster risk reduction?	5	1	2
4.	Discuss the importance of public awareness and warnings in disaster preparedness.	5	6	4
5.	Discuss the importance of early warning systems in disaster preparedness. What are some different models/types used in early warning systems?	5	2,6	5
	Describe the disaster cycle, and explain the different phases of a disaster.	5	2	4
	Explain the role and functions of the National Institute of Disaster Management in India	5	5	1

Section-B

Attempt any **FOUR** Questions from this Section

4 X 10 = 40

Q No.	Questions	Marks	CO	BL
8.	What are the roles and responsibilities of different stakeholders in disaster preparedness and response? How can these roles be coordinated effectively?	10	5	4
9.	Write a short note on any <u>TWO</u> i. Poly trauma Care - Specific treatment in emergency and Intensive Care Units. ii. Disaster medicine iii. Role of Technology in disaster management. iv. Contribution of remote sensing and GIS to disaster risk reduction.	10	3,4,6	3,4,5
10.	Describe the Disaster Management Act, 2005 and its key provisions related to disaster risk management in India.	10	5	2

11.	Analyze the disaster management response to the COVID-19 pandemic, including the challenges faced in prevention, containment, and mitigation efforts.	10	1,4,6	4
12.	Discuss Seismic Zones of India in detail. Evaluate the disaster management strategies used during the 2001 Gujarat earthquake in India.	10	1	5
13.	What do you mean by Environment Impact Assessment? Discuss its process, advantages and disadvantages.	10	6	1

BL-Bloom's Taxonomy Levels(1-Remembering,2-Understanding,3-Applying,4-Analysing,5-Evaluating,6-Creating)