

Jamia Hamdard
Department of Computer Science & Engineering
School of Engineering Sciences & Technology
Supplementary/Improvement Examination-2023
(Even semester-2023)
(Except Students Admitted in 2022)

Paper Code: BTECE 410/ BTCSE 409/BTCSE AI 409

Time: 3 Hours

Paper Name: Disaster Management

Maximum Marks: 75

COURSE OBJECTIVES

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.	What is an earthquake? Describe the different types of waves that are generated during an earthquake.	5	1	1
2.	Compare natural disasters and man-made disasters. Discuss the factors that contribute to the occurrence and impacts of these disasters	5	1	2
3.	Explain the concepts of Hazard, Vulnerability, and Risks in the context of disasters. Provide examples to illustrate each concept.	5	1	1
4.	How can technology be used to aid in disaster management, and what are some of the advantages and disadvantages of different types of technology?	5	2	4
5.	Describe the Disaster Life Cycle and its relevance to Disaster Medical Management. How do disaster planning, preparation, and recovery play a critical role in ensuring effective medical response and care?	5	5	3
6.	How can early warning systems help to mitigate the impact of disasters? Provide examples of early warning systems used in different types of disasters.	5	2	5
7.	What is community-based disaster risk reduction (CBDRR), and how does it differ from other approaches to disaster risk reduction?	5	6	6

Section-B

Attempt any **FOUR** Questions from this Section

4 X 10 = 40

Q No.	Questions	Marks	CO	BL
8.	What role do emergency responders, such as firefighters and paramedics, play in disaster management? How do they work with other agencies and organizations to respond to disasters?	10	6	3
9.	Write a short note on ANY TWO i. Environment Impact Assessment. ii. COVID-19- challenges faced in prevention, containment and mitigation efforts iii. Role of Media in disaster and its role in assessing the health management. iv. Sustainable disaster management	10	3,4,5,6	3,4,5
10.	Discuss the political, social, and economic impacts of disasters on affected communities.	10	3	4
11.	Identify and discuss the factors that contribute to vulnerabilities in communities during disasters. How can understanding these factors help in designing targeted risk reduction interventions?	10	2	2,5
12.	Describe the Disaster Management Act, 2005 and its key provisions related to disaster risk management in India.	10	5	4
13.	Analyze the disaster management response to the Bhopal gas tragedy in 1984, including the challenges faced in providing aid and the long-term health impacts on the affected population.	10	3,5	4

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