

Jamia Hamdard
Department of Computer Science & Engineering
School of Engineering Sciences & Technology
Even Semester Examination-2023
(students admitted in 2022)

Paper Code: BTECE 410/ BTCSE 409 (Lateral Entry)

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.	Define a tsunami, and explain the causes and impacts of tsunamis.	5	1	2
2.	Compare natural disasters and man-made disasters. Discuss the factors that contribute to the occurrence and impacts of these disasters	5	1	4
3.	Explain the concepts of Hazard, Vulnerability, and Risks in the context of disasters. Provide examples to illustrate each concept.	5	2	4
4.	What is the Sendai Framework for Disaster Risk Reduction and how does it contribute to disaster management?	5	5	1
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	3	3
6.	Discuss the significance of public awareness and warning systems in disaster management.	5	5	2
7.	Explain the importance of sustainable management practices in disaster-prone areas. How can sustainable approaches minimize risks and promote long-term resilience?	5	6	6

Section-B

Attempt any **FOUR** Questions from this Section

4 X 10 = 40

Q No.	Questions	Marks	CO	BL
8.	What are the key elements of disaster risk reduction strategies? How do these strategies help to reduce vulnerabilities and build resilience?	10	2	3
9.	Write a short note on ANY TWO i.Environment Impact Assessment ii. Roles and responsibilities of different stakeholders in disaster preparedness and response iii.Role of Media in disaster management. iv.Principles of Disaster Epidemiology and its role in assessing the health impacts of disasters.	10	2,3,4,5,6	1,2,3,4
10.	Discuss the roles and functions of significant disaster management institutions in India, such as the National Institute of Disaster Management, National Disaster Response Force (NDRF), National Disaster Management Authority, States Disaster Management Authority, and District Disaster Management Authority.	10	5	1
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	3
12.	Provide an overview of Disaster Medicine, explaining its role in managing medical aspects during various phases of a disaster.	10	4	4
13.	The Kedarnath tragedy of 2013 was a severe disaster that impacted the Uttarakhand region of India. Analyze the causes and factors that led to the disaster, including natural and human-induced factors, and the challenges faced in providing aid and rescue efforts. Evaluate the disaster management response to the tragedy, including the lessons learned for future disaster response efforts.	10	6	5

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