Disaster Management · GS - III

“Discuss the key challenges in managing chemical disasters and suggest measures to strengthen preparedness and emergency response.”

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 21/10/2026	GS - III	Disaster Management

MARKS	WORD LIMIT
10	~150 words

Answer Hint

Hazard identification, early warning, shelter-in-place advisories, evacuation planning, hazmat teams, emergency coordination, public communication, environmental monitoring, industrial safety audits.

Model Answer

Introduction:

Chemical disasters can threaten human health, transport systems and the environment through toxic exposure, fires or hazardous releases.

Main Body:

A chemical leak can reduce visibility, expose nearby communities to harmful substances and contaminate air, water or soil. Effective response requires rapid identification of the chemical, isolation of the affected area and clear public advisories. Authorities must coordinate emergency services, hazardous-material teams, healthcare facilities and environmental agencies. Preparedness measures include industrial safety audits, emergency response plans, trained responders, protective equipment, air-quality monitoring and public-awareness programmes.

Conclusion:

Strong prevention, timely warnings and coordinated emergency action are essential to minimise casualties and environmental damage from chemical disasters.

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