Geography

Examine the major challenges posed by tropical cyclones along India's eastern coast. Suggest measures to strengthen coastal disaster preparedness.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 23/10/2026	—	Geography

MARKS	WORD LIMIT
10	~150 words

Answer Hint

Tropical Cyclones, Bay of Bengal, Coastal Vulnerability, Heavy Rainfall, Storm Surge, Early Warning Systems, Evacuation, Cyclone Shelters, Disaster-Resilient Infrastructure, Community Preparedness.

Model Answer

Introduction:

Tropical cyclones originating over the Bay of Bengal pose recurring threats to India's eastern coast through destructive winds, heavy rainfall and storm surges.

Major Challenges

1. Loss of life and property: Strong winds damage houses, power lines and communication networks.
2. Flooding: Intense rainfall can cause urban and riverine floods.
3. Coastal inundation: Storm surges threaten coastal settlements and agricultural land.
4. Livelihood disruption: Fishing, agriculture and small businesses suffer substantial losses.

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Measures to Strengthen Preparedness

1. Improve forecasting and timely alerts through the India Meteorological Department (IMD).
2. Ensure timely evacuation and expand cyclone shelters in vulnerable areas.
3. Protect mangroves and other natural coastal barriers.
4. Strengthen resilient infrastructure, emergency communication and essential services.
5. Promote community awareness, mock drills and coordinated disaster-response planning.

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Conclusion:

A combination of scientific forecasting, resilient infrastructure and community participation can reduce cyclone-related casualties and economic losses. India's focus should extend beyond emergency response to long-term coastal resilience.

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