Geography · GS - I

Discuss the meaning of colour-coded weather warnings for cyclone-prone areas given by India Meteorological Department.

EXAM YEAR	PAPER	SUBJECT
2022	GS - I	Geography

MARKS	WORD LIMIT
10	~150 words

Answer Hint

The IMD’s colour-coded warning system communicates the severity of weather threats and the urgency of preparedness. Green, yellow, orange and red indicate progressively increasing levels of risk, helping authorities and communities take timely preventive action.

Model Answer

Introduction

The India Meteorological Department (IMD) issues colour-coded warnings to communicate the severity of cyclones and other severe weather events. These warnings facilitate disaster preparedness and minimise loss of life and property.

Body

Meaning of Colour Codes

1. Green (No Warning): No significant weather-related threat is expected. Normal activities may continue.

2. Yellow (Be Aware): Adverse weather is possible. People should remain updated, while authorities monitor the situation.

3. Orange (Be Prepared): Severe weather is likely to cause disruption and potential damage. Authorities should prepare evacuation arrangements, emergency shelters and relief resources.

4. Red (Take Action): Extremely severe conditions are expected or occurring. Immediate protective measures, including evacuation where advised, are necessary.

Significance in Cyclone-Prone Areas

These warnings help coastal communities, fishermen, disaster-management agencies and local administrations prepare in advance. They support evacuation planning, suspension of fishing activities, protection of infrastructure and timely mobilisation of rescue teams.

Conclusion

IMD’s colour-coded warnings strengthen early-warning communication and disaster risk reduction. Their effectiveness depends on timely dissemination, public awareness and coordinated action by authorities and communities.