

(Please do not write anything except the question number in this space.)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

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Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिये में नहीं लिखना चाहिए।
Candidates must not write on this margin

- Q. Recently, cyclone mandous was formed over Bay of Bengal. Discuss how tropical cyclones are formed and examine how tropical cyclones and temperate cyclones are different.

↳ Cyclone

It is a system of high speed winds rotating around a low pressure area with the winds blowing counterclockwise in the Northern Hemisphere and clockwise in the southern Hemisphere.

↳ Tropical cyclones formation

Cyclones which originate over the warm tropical oceans with a speed of approximately more than 119 km/hr and heavy rainfall are called tropical cyclones.

↳ Tropical cyclones in India.

↳ The point of origin of tropical cyclones is the Bay of Bengal, Arabian sea and Indian Ocean.

↳ Have very high wind and heavy rainfall velocity

↳ Hit the Indian coastal states of Tamil Nadu, Andhra Pradesh, West Bengal, Odisha and Gujarat. These states are more vulnerable to tropical cyclones than any other state.

↳ These cyclones cause great destruction as they are accompanied with high velocity wind and torrential rainfall.

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Tropical cyclone

- ↳ It moves from east to west
- ↳ Effect on a comparatively smaller area than a temperate cyclone.
- ↳ The velocity of wind in this is much higher and it is more damaging
- ↳ It forms only on seas with temperature more than $26-27^{\circ}\text{C}$ and dissipate on reaching the land.
- ↳ It doesn't last for more than 7 days

Temperate cyclone.

moves from west to east
it affects a much larger area.

The velocity of air is comparatively lower.

It can be formed on both land and sea.

It can last for a duration of 15 to 20 days.

↳ conclusion

Tropical cyclones are known for destruction they cause, they carry heat and energy away from tropics, relieve drought conditions with the advent of climate change, tropical cyclones have become more frequent accompanied by great intensity.