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Class XIth. Subject Geography. Date 4.1.2021.

Ch: CLIMATE. IMPORTANT QUESTION

Question 1.

What are features of El-Nino?

Answer:

El-Nino is a complex weather system that appears once every three to seven years, bringing drought, floods and other weather extremes to different parts of the world.

Features:

- The system involves oceanic and atmospheric phenomena with the appearance of warm currents off the coast of Peru in the Eastern Pacific and affects weather in many places including India.
- El-Nino is merely an extension of the warm equatorial current which gets replaced temporarily by cold Peruvian current or Humbolt current.
- This current increases the temperature of water on the Peruvian coast by 10°C. id) This results in:
 - The distortion of equatorial atmospheric circulation;
 - Irregularities in the evaporation of sea water;
 - Reduction in the amount of planktons which further reduces the number of fish in the sea.

Question 2.

Why India gets a monsoon named as south-west monsoon?

Answer:

- The low pressure conditions by early June are powerful enough to attract the trade winds of Southern Hemisphere coming from the Indian Ocean.
- These South-east trade winds cross the Equator and enter the Bay of Bengal and the Arabian sea, only to be caught up in the air circulation over India.
- Passing over the equatorial warm currents they bring with them moisture in abundance.
- After crossing the equator, they follow south westerly directions and they are known as south-west monsoon.

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