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इस स्थान में
प्रश्न संख्या को
लिखना

04/11/2023

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis
(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को
इस कृपिय में
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Candidates
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① The southern hemisphere has been drying out more than the northern hemisphere over the past 2 decades. Within context, explain the role played by el-nino in this regard and discuss how it affects the entire planet. (250W)

Southern hemisphere has been drying out more than the northern hemisphere over past two decades due to el-nino condition.

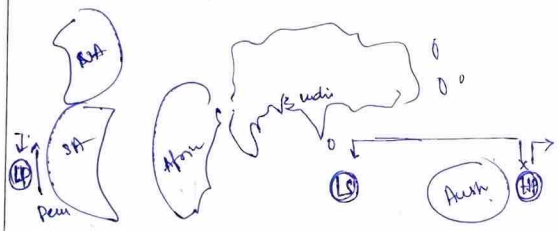


Fig: El-nino condition.

usually indian ocean faces high pressure and pacific ocean near Australia faces low pressure and Australia faces High pressure due to el-nino conditions these pressure shift into vice versa condition.

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Role played by el-nino for Change in temperature

① Shift in pressure belt leads to temperature effects on land.

eg: Indian Monsoon effect

② High surface water / ocean temperature than usual

③ Pacific jet stream disturbance

El-nino effects on entire Planet

→ ① Due to high temperature conditions in the south, Pacific ocean warm happens.

↳ 1/3rd of world space gets warmer

→ ② Indian Monsoons / Trade winds get disturbed

→ ③ African continent undergoes

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→ drought condition, leads to instability
in food security which further added
with Ukraine war

→ ④ Large of earth that lies in the South
leads to high fires in the Amazon forest

→ ⑤ Rise in water level due to melting of
ice leads to coastal danger

→ ⑥ Disturbance of ecosystem due to
flora & fauna climatic disturbance
eg: Amazon forest

→ ⑦ improper climate conditions leads
to human loss
eg: Australia

Conclusion
even there are many negative aspects, it
also gives life to few places where rainfall
occurs and as it is not a human made
it is us who have to get adjusted by increa-
-sing sustainability.