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Prelims PYQ, Mains model answers, and copy evaluation. Write to the desk for this paper, a doubt, or the AI waitlist.

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Q6(a)

What is acclimatization? Discuss adaptive responses to high altitude and cold climate

UPSC Civil Services Mains 2021 · Anthropology GS 1 · 20 marks · Concepts and methods of Ecological Anthropology: Bio-cultural Adaptations

9.7 Concepts and methods of Ecological Anthropology: Bio-cultural Adaptations-Genetic and Non-genetic factors. Man's physiological responses to environmental stresses: hot desert, cold, high altitude climate.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

<https://wrapexams.com/upsc/mains-answers/anthropology-gs-1/2021/what-is-acclimatization-discuss-adaptive-responses-to-high-altitude-and-cold-climate/>

Tibetan plateau

High-altitude adaptation with relatively lower haemoglobin than Andes and distinctive EPAS1 haplotypes.

Andean

Classic high-haemoglobin, barrel-chest teaching case of altitude physiology.

Inuit

Arctic cold and marine-fat diet; clothing and shelter are central adaptive responses.

Lewis reaction

Alternating constriction and dilation in cooled fingers, a short-term cold response.

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