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Q6(b)

How are the cases of disputed paternity solved? Discuss the recent techniques

UPSC Civil Services Mains 2021 · Anthropology GS 1 · 15 marks · Applications of Anthropology

12. Applications of Anthropology: Anthropology of sports, Nutritional anthropology, Anthropology in designing of defence and other equipments, Forensic Anthropology, Methods and principles of personal identification and reconstruction, Applied human genetics-Paternity diagnosis, genetic counselling and eugenics, DNA technology in diseases and medicine, serogenetics and cytogenetics in reproductive biology.

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/how-are-the-cases-of-disputed-paternity-solved-discuss-the-recent-techniques/>

Jeffreys

Introduced DNA fingerprinting, which became STR-based paternity testing.

STR multiplex

Standard forensic panels that generate a paternity index when mother, child, and alleged father are typed.

Exclusion

A single incompatible locus (not explained by mutation) rules a man out.

Trobriand

Ethnography of social fatherhood that does not rest on a laboratory genitor.

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