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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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Q8(c)

Discuss how anthropological knowledge of the human body may be used in designing equipments and articles of human use

UPSC Civil Services Mains 2022 · 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-1/2022/discuss-how-anthropological-knowledge-of-the-human-body-may-be-used-in-designing-equipments-and-articles-of-human-use/>

Ergonomics

Fitting task and machine to human variation, using anthropometric surveys.

Percentile design

Common rule: accommodate 5th to 95th percentile of the user population.

Aviation

Cockpit geometry was an early driver of applied anthropometry in the world wars.

ICMR growth

Indian child measurements that should, but often do not, set school furniture heights.

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