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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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Q7(b)

What is a multifactorial trait? Illustrate your answer with suitable human examples.

UPSC Civil Services Mains 2024 · Anthropology GS 1 · 15 marks · Mendelian genetics in man-family study, single factor, multifactor, lethal, sub-lethal and polygenic inheritance in man.

9.2 Mendelian genetics in man-family study, single factor, multifactor, lethal, sub-lethal and polygenic inheritance in man.

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-1/2024/what-is-a-multifactorial-trait-illustrate-your-answer-with-suitable-human-examples/>

Liability threshold

A continuous, unobserved susceptibility becomes a categorical disorder only after a threshold is crossed.

R. A. Fisher

Showed mathematically that multiple Mendelian loci can account for apparently continuous biometric traits.

C. S. Yajnik

Indian research linked small size with relatively high adiposity and later metabolic risk, highlighting developmental mismatch.

GWAS caution

Most common-trait hits have small effects and ancestry-specific prediction; association is not individual destiny.

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