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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(b)

Define genetic polymorphism. Give details of its types with suitable examples

UPSC Civil Services Mains 2015 · Anthropology GS 1 · 15 marks · Concept of genetic polymorphism and selection, Mendelian population, Hardy-Weinberg law

9.3 Concept of genetic polymorphism and selection, Mendelian population, Hardy-Weinberg law; causes and changes which bring down frequency-mutation, isolation, migration, selection, inbreeding and genetic drift. Consanguineous and non-consanguineous mating, genetic load, genetic effect of consanguineous and cousin marriages.

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-1/2015/define-genetic-polymorphism-give-details-of-its-types-with-suitable-examples/>

Allison

Linked sickle-cell heterozygotes to malaria protection in East Africa.

ABO

The first widely typed human polymorphism, still used in transfusion.

STR

Forensic multiplex markers; a DNA polymorphism panel.

Lewontin

Showed that most allozyme diversity is within, not between, classical races.

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