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Q3(c)

Differentiate between pedigree and genealogical analyses. Discuss the history and application of these methods in anthropological studies

UPSC Civil Services Mains 2025 · Anthropology GS 1 · 15 marks · Human Genetics

9.1 Human Genetics: Methods and Application: Methods for study of genetic principles in man-family study (pedigree analysis, twin study, foster child, co-twin method, cytogenetic method, chromosomal and karyo-type analysis), biochemical methods, immunological methods, D.N.A. technology and recombinant technologies.

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.

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W. H. R. Rivers

The genealogical method of anthropological inquiry (1910): systematic elicitation of kin ties as a field method.

Pedigree symbols

Standard medical-genetic notation for male and female, affected and unaffected, and consanguineous union, used to infer inheritance patterns.

Genetic counselling

Uses pedigrees to estimate recurrence risk. Anthropological application appears when consanguinity and community structure shape that risk.

Fictive kinship

Socially recognised ties that belong on a genealogy and usually do not belong on a biological pedigree.

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