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Q3(c)

Numerical chromosomal aberrations can be due to abnormalities in autosomes as well as sex chromosomes. Elaborate in terms of the effects these have on human body, giving suitable examples

UPSC Civil Services Mains 2026 · Anthropology GS 1 · 15 marks · Numerical and structural aberrations (disorders).

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(a) Numerical and structural aberrations (disorders).

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round.

Down Syndrome (Trisomy 21)

An autosomal aberration caused by the presence of an extra chromosome 21, resulting in characteristic physical features and cognitive impairment.

Turner Syndrome (45,XO)

A sex chromosomal monosomy affecting phenotypic females, leading to short stature and gonadal dysgenesis.

Klinefelter Syndrome (47,XXY)

A sex chromosomal polysomy affecting phenotypic males, characterized by hypogonadism and tall stature.

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