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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.

ask@wrapexams.com · +91 85951 84903 · wrapexams.com

Q8(b)

What do you understand by blood group systems? How is HLA system different from those based on red cell antigens?

UPSC Civil Services Mains 2022 · Anthropology GS 1 · 15 marks · Age, sex and population variation as genetic marker

9.6 Age, sex and population variation as genetic marker: ABO, Rh blood groups, HLA Hp, transferrin, Gm, blood enzymes. Physiological characteristics-Hb level, body fat, pulse rate, respiratory functions and sensory perceptions in different cultural and socio-economic groups.

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/what-do-you-understand-by-blood-group-systems-how-is-hla-system-different-from-those-based-on-red-cell-antigens/>

Landsteiner

Discovered ABO (1901) and later work leading to Rh, founding transfusion safety.

MHC

Major histocompatibility complex; HLA is the human MHC class I and II set.

HLA-B27

Strong association with ankylosing spondylitis, a clinical use beyond typing grafts.

Boyd

Used blood groups to classify world populations without restoring nineteenth-century races.

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