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Q65

With reference to recent developments regarding 'Recombinant Vector Vaccine', consider the following statements: 1. Genetic engineering is applied in the development (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2 Official key: C.

UPSC Civil Services Prelims 2021 · General Studies · 2 marks · Current Affairs and GK

Current events, government schemes, miscellaneous GK - Prelims GS Paper I.

Explanation

(a)

1 only. Viral vectors are also in the definition.

(b)

2 only. Genetic engineering is also applied.

(c) Official key

Both. Recombinant vector vaccines are genetically engineered; viruses (adenovirus and others) are used as vectors.

(d)

Neither. Both limbs hold.

Summary

Official key is (c) both. A recombinant vector vaccine uses genetic engineering and a harmless virus (or bacterium) to carry antigen genes - the COVID adenovirus shots are the classroom example.

Related possible facts

These can be asked in a future Prelims paper.

Viral vector

ChAdOx1 / Sputnik-type COVID shots.

mRNA

A different platform - Pfizer/Moderna, not this stem.