

4. The recent development of an intranasal vaccine will be a safe and effective vaccine that can prevent COVID infection. Elaborate.

Intranasal vaccine is developed by Bharat Biotech using adenovirus ^{vector} recombinant techniques and viral vector.

Advantages of nasal vaccine

It has following advantages

(1) ~~It~~ It can potentially prevent SARS-COV-2 at entry point

(2) It ~~can~~ can be easily administered.

(3) It can be administered as booster dose

(4) ~~It~~ It can be easily portable to distant places.

eg: Govt can export to it in least developed countries of Africa.

Disadvantages of nasal vaccine

- (1) Its efficacy is still in the question
- (2) Since, it made using viral vector, it may have some side effect.
- (3) It does not have higher immunogenicity.

By checking its efficacy and immunogenicity, govt can approve it for export under Vaccine Master.

It will add another feather in India's soft power.

Thus, intranasal vaccine compared at par with other vaccine easily by getting rid of its inherent medical flaws.