

① India - USA - Cooperation is attaining new milestones in the field of space technology. Do you agree with this view? Comment. (200 words)

① India and the United States agreeing to advance space collaboration in several critical areas, under the 'initiative on crucial and emerging technology' umbrella, including critical and human space exploration and commercial space partnership comes at a crucial time for both countries.

② The United States picked off its Artemis programme by launching Orion spacecraft towards the moon and bringing it back to earth. And India itself is set to embark on its first human spaceflight mission (Gaganyaan) in 2024.

③ ~~Two~~ Both two countries also taken significant stride in advancing the private space sector. Together in this context, the United States and India

Seems straightforward. But it is not straightforward. - (Some structural factors)

* India - United States Space Co-operation is the mismatch in the two-nations' interests in outer space.

* ↳ United States Artemis programme, the Artemis Accords and the Biden administration's National Space Science & Technology Strategy constitute the foundation for American ambitions beyond the Earth orbits. Meanwhile India building nation's capabilities in and under earth orbits.

* The asymmetry is Capabilities.

↳ The United States has the highest no. of registered satellites in space and private entity SpaceX → achieve a record 61 launches in 2022. Whereas India has 60 satellites in orbit and cannot launch double digit in annually.

Way Forward:-

① The engagement between the academics, the private entities and state-led entities, in the two countries. like NASA-ISRO (NISAR)

② Co-operation between state and private entities.