

Topic wise content

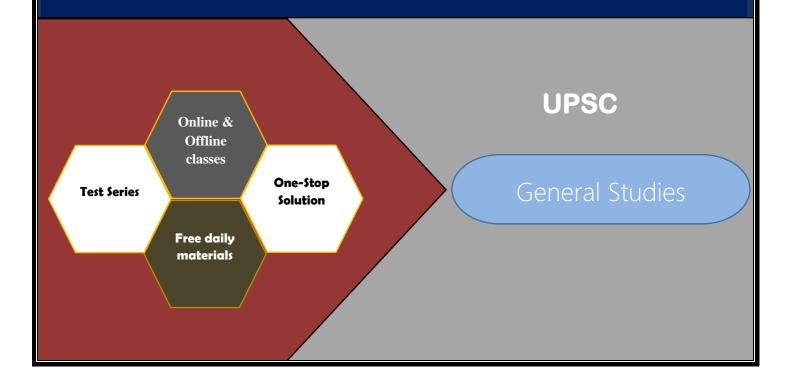


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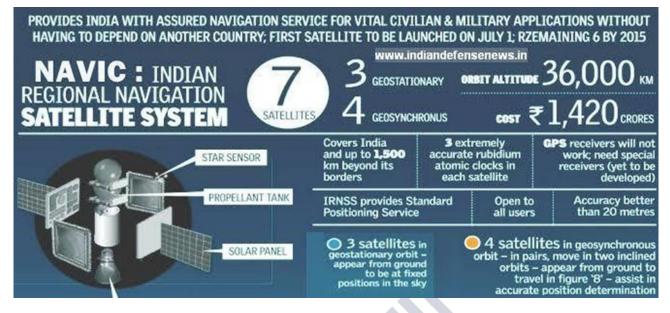
Navigation in Indian Constellation (NavIC)

Notes for civil services preparation





NavIC



• The Indian Space Research Organisation (ISRO) and its commercial arm Antrix Corporation Ltd. are set to commercialize India's regional navigation satellite system - Navigation in Indian Constellation (NavIC).

Potential Uses:

- Terrestrial, aerial and marine navigation;
- Disaster management;
- Vehicle tracking and fleet management (especially for mining and transportation sector);
- Integration with mobile phones;
- Precise timing (as for ATMs and power grids);
- Mapping and geodetic data capture.

Navigation in Indian Constellation

- Navigation in Indian Constellation (NavIC) is an Indian Regional Navigation Satellite System (IRNSS), developed by the Indian Space Research Organization (ISRO).
- IRNSS consists of eight satellites, three satellites in geostationary orbit and five satellites in geosynchronous orbit.
- The main objective is to provide reliable position, navigation and timing services over India and its neighbourhood.





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- It works just like the established and popular U.S. Global Positioning System (GPS) but within a 1,500-km radius over the sub-continent.
- It has been certified by the 3rd Generation Partnership Project (3GPP), a global body for coordinating mobile telephony standards.



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