

(Please do not write anything except the question number in this space)

कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
Content of the Question is more important than length.
(Specimen Answer Booklet - For Practice Purpose Only)

Candidates must not write on this margin

- Q. The third generation rocket from ISRO has transformed India into the commercial launch service market for heavier satellites. Analyse.
- ↳ Third generation satellite.
 - ↳ India's heaviest rocket launcher, GSLV Mk III is the 3rd generation rocket from ISRO to achieve the capability to launch a four tonne class satellite to geosynchronous orbit.
 - ↳ GSLV Mk III
 - ↳ ~~Free~~ stage vehicle → 2 solid
 - ↳ 1 liquid core stage.
 - ↳ High thrust oxygenic upper stage.
 - ↳ significance
 - ↳ Chandrayaan-2 spacecraft launch.
 - ↳ Recent launch of OneWeb satellites makes India a cost effective destination to launch commercial vehicle.
 - ↳ next launch vehicle for Gaganyaan Mission
 - ↳ A commercial vehicle
 - ↳ ISRO through its commercial arms, has earned around \$279 mn. in foreign exchange by launching satellites for global clients
 - ↳ ISRO has been providing launch services for customer satellites since 1999 over 30 countries

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↳ Recent launch of oneweb made a grand entry into commercial launch service market for heavier satellites.

↳ Conclusion

↳ India has managed to enter the big league of being a cost-effective destination to launch smaller and lighter satellites.

↳ The same cannot be said about the heavier communication satellites.

↳ GSLV is yet to prove itself as a reliable launcher of heavy satellites.