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Q6

## **What is India's plan to have its own space station and how will it benefit our space programme?**

UPSC Civil Services Mains 2019 · GS III · 10 marks · Indian Economy

Indian Economy and issues relating to planning, mobilization of resources, growth, development and employment.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

<https://wrapexams.com/upsc/mains-answers/gs-3/2019/what-is-indias-plan-to-have-its-own-space-station-and-how-will-it-benefit-our-space-programme/>

### **Gaganyaan**

India's first crewed orbital mission; the necessary step before any station crew.

### **Station class**

Public ISRO statements pointed to a small ~20 tonne facility, not a 400-tonne ISS analogue.

### **Docking**

Rendezvous and docking (later demonstrated on SpaDeX) are the engineering gate to assembling a station.

### **LVM3**

Human-rated heavy launcher path for crew and modules; industry fabrication through NSIL and vendors.

### **ISS context**

The International Space Station is ageing; India is not a full partner, so an indigenous lab is an autonomy choice.

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