

India's Latest Space Achievements: Docking Breakthroughs, Solar Studies, and More

Space Exploration · Answer Key · 8 Questions

1. What major space technology demonstration did India successfully achieve with its SpaDeX mission, verified in January 2025?

- A) Lunar sample return
- B) Spacecraft rendezvous and docking**
- C) Mars orbiter deployment
- D) Asteroid deflection

2. What is the primary objective of India's Aditya-L1 mission, which successfully entered its final orbit in January 2024?

- A) Studying the Moon's south pole
- B) Observing Mars' atmosphere
- C) Studying the Sun**
- D) Mapping Earth's oceans

3. The NISAR mission, launched in July 2025, is a joint Earth-observation satellite between ISRO and which other space agency?

- A) ESA (European Space Agency)
- B) JAXA (Japan Aerospace Exploration Agency)
- C) NASA (National Aeronautics and Space Administration)**
- D) Roscosmos (Russian Space Agency)

4. Which significant test for India's Gaganyaan human spaceflight programme was successfully completed in August 2025?

- A) First uncrewed orbital test flight
- B) Integrated Air Drop Test for the deceleration system**
- C) First crewed launch simulation
- D) Construction of the space station module

5. In December 2025, ISRO launched the heaviest foreign satellite ever from Indian soil. What was the name of this satellite?

- A) OneWeb
- B) BlueBird Block-2**
- C) Amazon Kuiper
- D) Starlink

6. What is the planned orbital altitude for India's future modular space station, Bharatiya Antariksha Station?

- A) 100 km
- B) 200 km
- C) 400 km**
- D) 800 km

7. ISRO is planning to include which group in future Gaganyaan missions, marking a shift in its human spaceflight program?

- A) International astronauts only
- B) Experienced fighter pilots only
- C) Civilians from diverse professional fields**
- D) Robotic probes

8. What unique capability will GalaxEye's Mission Drishti, set for a May 2026 launch, introduce to Earth observation?

- A) The first fully autonomous satellite
- B) The world's first OptoSAR imaging satellite**
- C) A satellite specifically for asteroid tracking
- D) A satellite dedicated to deep space communication