

India's Latest Space Achievements: Chandrayaan-4 Progress, Gaganyaan Update

Space Exploration · Answer Key · 10 Questions

1. What is the primary objective of the Chandrayaan-4 mission?

- A) To establish a permanent lunar base.
- B) To conduct a lunar sample-return mission.**
- C) To deploy a large lunar telescope.
- D) To search for signs of past life on the Moon.

2. Which Indian space mission is developing technologies for a future crewed lunar landing by 2040?

- A) Aditya-L1
- B) Chandrayaan-3
- C) Gaganyaan
- D) Chandrayaan-4**

3. When is the Chandrayaan-4 mission currently targeted for launch?

- A) 2025
- B) 2026
- C) 2028**
- D) 2030

4. What is the estimated budget approved for the Chandrayaan-4 mission?

- A) INR500 crore
- B) INR1,000 crore
- C) INR2,104 crore**
- D) INR5,000 crore

5. Which Indian space program aims to send astronauts into orbit?

- A) Chandrayaan-4
- B) Aditya-L1
- C) Gaganyaan**
- D) Mangalyaan-2

6. What is the current target year for India's first crewed Gaganyaan mission?

- A) 2025
- B) 2026
- C) 2027**
- D) 2028

7. Which ISRO mission is dedicated to studying the Sun and its atmosphere?

- A) Chandrayaan-3
- B) Mangalyaan
- C) Aditya-L1**
- D) NISAR

8. What significant observation was made by the Aditya-L1 mission regarding solar flares?

- A) It detected solar flares for the first time.
- B) It captured unprecedented details of a solar flare 'kernel' in the photosphere and chromosphere.**
- C) It identified the source of solar flares on Jupiter.
- D) It proved that solar flares are harmless.

9. What key technology will Chandrayaan-4 demonstrate related to returning from the Moon?

- A) In-orbit refueling.
- B) Docking and undocking capabilities.**
- C) Artificial gravity generation.
- D) Faster-than-light travel.

10. Which of these is NOT a stated objective of the Chandrayaan-4 mission?

- A) Demonstrate technologies for returning to Earth from the Moon.
- B) Collect and analyze lunar samples.
- C) Establish a communication relay satellite around the Moon.**
- D) Demonstrate docking and undocking capabilities in orbit.