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

Space Exploration · Practice Test · 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.