



spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



SpardhaGuru



Spardha.guru



www.spardha.guru



Space & Astronomy:

Space Missions and Exploration

NASA's Artemis I moon rocket is scheduled to be rolled out to the launch pad at Kennedy Space Center, preparing for its uncrewed lunar launch no earlier than August 29. The mission will test the Space Launch System (SLS) megarocket and Orion spacecraft before future crewed flights.

The NASA-ISRO Synthetic Aperture Radar (NISAR) mission has successfully deployed its massive eight-meter-wide radar reflector in orbit. The reflector is a key component for the satellite's mission of capturing high-resolution radar imagery of Earth to monitor climate change and natural disasters.

In India, astronaut Shubhanshu Shukla has received a red-carpet welcome upon his return from a historic mission to the International Space Station (ISS) as part of the Axiom-4 crew. Parliament is scheduled to hold a special discussion on his mission.

Celestial Events and Observations

A rare planet parade, or alignment, of six planets and the Moon is visible in the sky this month, with the best viewing times being the mornings of August 18 and 19. From the Northern Hemisphere, Mercury, Venus, Jupiter, and the Moon will appear in a nearly straight line in the eastern sky before sunrise.

The Astronomy Picture of the Day from NASA features the spiral galaxy NGC 1309. This galaxy is considered "useful" because observations of its supernovas and variable stars help in calibrating the expansion of the universe.

Future Plans and Developments

The Indian Space Research Organisation (ISRO) has announced ambitious future plans, including launching its own space station by 2035 and landing an Indian astronaut on the Moon using entirely indigenous technology by 2040.

A new theory from a Harvard professor has garnered attention, suggesting that an interstellar object, named 3I/ATLAS, could be an alien spacecraft. The object, which was discovered on July 1, 2025, is expected to reach Earth's vicinity between late November and early December. However, both NASA and ESA classify the object as an interstellar comet.

Dear Aspirants,

Stay updated with **important lessons, tutorials, and announcements** by subscribing to our official WhatsApp Channel!

Scan the QR code below to join and never miss an update!

Thank you for your continued support and enthusiasm.

Let's keep learning and growing together!





spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



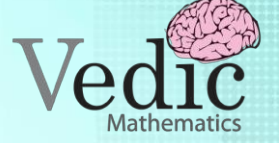
SpardhaGuru



Spardha.guru



www.spardha.guru



Spardhaguru Competitive Exam
Coaching Institute
WhatsApp ಚಾನ್ಸಲ್



MCQS

1.What is the primary purpose of NASA's Artemis I mission?

- A) To land astronauts on the Moon for the first time since 1972.
- B) To test the Space Launch System (SLS) rocket and Orion spacecraft before future crewed missions.
- C) To deploy the new James Webb Space Telescope.
- D) To study the atmosphere of Mars.

Answer: B) To test the Space Launch System (SLS) rocket and Orion spacecraft before future crewed missions.

The news report states that the Artemis I mission will "test the Space Launch System (SLS) megarocket and Orion spacecraft before future crewed flights." This is an uncrewed test

flight to prepare for later missions with astronauts.

2.Which of the following is an ambitious future plan announced by the Indian Space Research Organisation (ISRO)?

- A) To land an astronaut on Mars by 2030.
- B) To launch its own space station by 2035.
- C) To send a probe to the outer solar system.
- D) To establish a permanent lunar base by 2040.

Answer: B) To launch its own space station by 2035.

The news mentions that ISRO "has announced ambitious future plans, including launching its own space station by 2035 and landing an Indian astronaut on the Moon... by 2040."

3.Which interstellar object is a Harvard professor theorizing could be an alien spacecraft, while NASA and ESA classify it as a comet?

- A) Oumuamua
- B) Comet Hale-Bopp
- C) 3I/ATLAS
- D) Comet Neowise

Answer: C) 3I/ATLAS

The text specifically identifies "3I/ATLAS" as the interstellar object that a Harvard professor suggests could be an alien spacecraft, while official space agencies classify it as a comet.

4.The spiral galaxy NGC 1309 is considered "useful" for which of the following reasons?

- A) It is the closest spiral galaxy to Earth.
- B) Its supernovas and variable stars help in calibrating the expansion of the universe.
- C) It contains a rare type of black hole.
- D) It is a target for future human exploration.





spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



SpardhaGuru



Spardha.guru



www.spardha.guru

Answer: B) Its supernovas and variable stars help in calibrating the expansion of the universe.

The news explains that the galaxy "is considered 'useful' because observations of its supernovas and variable stars help in calibrating the expansion of the universe."

Dear Aspirants,

Stay updated with **important lessons, tutorials, and announcements** by subscribing to our official **YouTube Channel!**

Scan the QR code below to subscribe and never miss an update!

Thank you for your continued support and enthusiasm. Let's keep learning together!

