



spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



SpardhaGuru



Spardha.guru



www.spardha.guru



## Space & Astronomy:

### Key Developments and Missions

**New Moon Discovered Around Uranus:** The Webb Space Telescope has made a new discovery, spotting a tiny moon orbiting Uranus. The moon is estimated to be only 10 kilometers wide, and its small size and faintness likely allowed it to evade detection by the Voyager 2 spacecraft's flyby four decades ago. This new moon brings Uranus's total count to 29.

**Russia Launches Biological Satellite Mission:** Russia has successfully launched the Bion-M No. 2 biosatellite from the Baikonur Cosmodrome. The mission, often called a "modern Noah's Ark," will send a variety of living organisms, including mice, fruit flies, and plant seeds, into orbit for 30 days. The primary goal is to study the effects of prolonged exposure to microgravity and cosmic radiation to gain vital insights for future human spaceflight.

**Indian Space Research Organisation (ISRO) Updates:** ISRO is working on several ambitious projects. They plan to develop a next-generation launch vehicle as tall as a 40-storey building, capable of placing a 75-tonne payload into low Earth orbit. Additionally, ISRO is developing a pool of 40 to 50 astronauts for future missions, including the Gaganyaan human spaceflight mission and the creation of the Bharatiya Antariksh Station, India's own space station.

### Stargazing and Solar Activity

**Planetary Alignment:** A rare celestial event is visible in the predawn sky this morning. A razor-thin waning crescent moon can be seen forming a cosmic triangle with the planets

Jupiter and Venus in the eastern sky before sunrise.

**Space Weather:** A moderate solar flare from a sunspot region was observed, causing an R1 (minor) radio blackout over the South China Sea. A coronal mass ejection (CME) from a recent solar event is expected to graze Earth, with forecasters predicting unsettled-to-active geomagnetic conditions. This could potentially lead to auroras visible at high latitudes.

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 ಚಾಟ್



## MCQS

1. Which space telescope discovered a new moon orbiting Uranus?

- a) Hubble Space Telescope
- b) Webb Space Telescope
- c) Chandra X-ray Observatory
- d) Kepler Space Telescope

**Answer:** b) Webb Space Telescope

The news states, "The Webb Space Telescope has made a new discovery, spotting a tiny moon orbiting Uranus."

2. How many moons does Uranus now have, including the one recently discovered?

- a) 27
- b) 28
- c) 29
- d) 30

**Answer:** c) 29

The news report indicates, "This new moon brings Uranus's total count to 29."

3. What is the primary purpose of Russia's Bion-M No. 2 biosatellite mission?

- a) To search for new planets.
- b) To study the effects of microgravity and cosmic radiation on living organisms.
- c) To deploy new communication satellites.
- d) To capture images of distant galaxies.

**Answer:** b) To study the effects of microgravity and cosmic radiation on living organisms.  
The news states that the mission's primary goal is "to study the effects of prolonged exposure to microgravity and cosmic radiation to gain vital insights for future human spaceflight."

4. What is the planned height of the next-generation launch vehicle that ISRO is developing?

- a) As tall as a 10-storey building.
- b) As tall as a 20-storey building.
- c) As tall as a 40-storey building.
- d) As tall as a 60-storey building.

**Answer:** c) As tall as a 40-storey building.  
The news mentions that ISRO plans to "develop a next-generation launch vehicle as tall as a 40-storey building."

5. What is the name of India's planned human spaceflight mission?

- a) Chandrayaan
- b) Gaganyaan
- c) Mangalyaan
- d) Aditya-L1

**Answer:** b) Gaganyaan

The news lists the Gaganyaan human spaceflight mission as one of ISRO's future projects.







spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



SpardhaGuru



Spardha.guru



www.spardha.guru



**6. Which planets were part of the rare celestial alignment with the waning crescent moon?**

- a) Mars and Saturn
- b) Jupiter and Venus
- c) Mercury and Jupiter
- d) Venus and Mars

**Answer:** b) Jupiter and Venus

The news states that a "waning crescent moon can be seen forming a cosmic triangle with the planets Jupiter and Venus."

**7. A recent solar flare caused a radio blackout over which specific geographical area?**

- a) The Atlantic Ocean
- b) Europe
- c) The South China Sea
- d) The North Pole

**Answer:** c) The South China Sea

The news report notes that a solar flare caused a "minor radio blackout over the South China Sea."

**8. What is the name of India's own planned space station?**

- a) Aakash Station
- b) Indian Space Station
- c) Bharatiya Antariksh Station
- d) Swadeshi Space Station

**Answer:** c) Bharatiya Antariksh Station

The text mentions that ISRO is working on the "creation of the Bharatiya Antariksh Station, India's own space station."

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!

