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## Disqualification Under Anti-Defection Law | Jharkhand | 27 Jul 2024

### Why in News?

Recently, the **Jharkhand Assembly Speaker disqualified two legislators** under the [Anti-Defection Law](#).

### Key Points

- Both the legislators have been found guilty of defection under the [10th Schedule of the Constitution](#).
  - Anti-Defection Law
    - The anti-defection law punishes **individual Members of Parliament (MPs)/Members of the Legislative Assembly (MLAs)** for leaving one party for another.
    - Parliament added it to the Constitution as the **Tenth Schedule in 1985** in order to bring **stability to governments by discouraging legislators** from changing parties.
      - **The Tenth Schedule** - popularly known as the **Anti-Defection Act** - was included in the Constitution via the **52<sup>nd</sup> Amendment Act, 1985**.
    - It sets the provisions for the **disqualification of elected members** on the grounds of defection to another political party.
      - It was a response to the toppling of multiple state governments by party-hopping MLAs after the general elections of 1967.
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## Venkateshwara's MOU with Brazil | Uttar Pradesh | 27 Jul 2024

### Why in News?

Recently, **Shri Venkateshwara University located in Meerut** has signed an **MoU (Memorandum of Understanding)** with **Brazil** to **promote educational and research collaborations** of the students of the two countries.

### Key Points

- The focus will be on **student and faculty exchange programs** in the fields of [dairy](#), [agriculture](#), [biotechnology](#), [health](#) and [tourism](#).
  - Both nations will **collaborate on advanced technologies and innovations** through joint seminars, workshops, and regular classes.
  - This partnership is considered a substantial step forward in offering **students high-quality higher education and international experiences**.
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# IIT-Kanpur Professor Discovered Exoplanet | Uttar Pradesh | 27 Jul 2024

## Why in News?

An **international team of astronomers**, including an **assistant professor in the Department of Space, Planetary & Astronomical Sciences & Engineering (SPASE) at IIT-Kanpur**, has **discovered a large exoplanet** revolving around a nearby star that is similar to our Sun.

## Key Points

- According to the **scientific journal Nature**, the extrasolar planet known as **Epsilon Indi Ab, or Eps Ind Ab**, is classified as a '**super-Jupiter**' due to its **mass being at least six times greater than that of Jupiter**.
  - Eps Ind Ab is the **first mature exoplanet** (a planet outside our solar system) to be discovered using the direct imaging technique.
- Using the **James Webb Space Telescope's Mid-Infrared Instrument**, the international team of astronomers has **directly imaged a new exoplanet orbiting the K5V-type star Epsilon Indi A** (also known as HD 209100 or HI).
  - The direct imaging of a nearby mature exoplanet represents a significant milestone in the field of space exploration.
- The recently identified **planet is situated 12 light-years from the Earth and is frigid, with a temperature around -1°C (30°F)**.
  - Its **orbit** is also tremendous, revolving around its star at a distance **28 times greater than the distance between the Earth and the Sun**.

