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**7 JANUARY 2026**

## **EN-BUZZER**

# **Daily News Analysis**

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## 1. Notifiable Disease

### Prelims Perspective: What needs to be learned?

- Definition and examples of Notifiable Diseases in India
- Who Declares Notifiable Diseases in India

### Mains Perspective: Notes need to be prepared

- Issues relating to health (GS II -Social Justice)
- Diseases (GS III - Science & Technology)

### What needs to be known?

- Notifiable Disease
  - ➔ **What is it?:** Diseases are legally required to be reported to government authorities for monitoring and preventing outbreaks.
  - ➔ **Power to Declare Notifiable Disease:**
    - ★ Lies with the Centre and State Government under the Epidemic Diseases Act, 1897, and other public health laws.
  - ➔ **Common Notifiable Diseases in India:**
    - ★ **Infectious diseases:** Tuberculosis (TB), HIV/AIDS, Cholera, Malaria, Plague, Dengue, COVID-19.
    - ★ **Non-communicable diseases:** Cancer (some states), mental health disorders (increasing inclusion).
    - ★ **Others:** Japanese Encephalitis, Measles, Rabies, H1N1, and Leprosy.

## 2. Aditya-L1 Mission

### Prelims Perspective: What needs to be learned?

- Objective and mission details- Lagrange Points
- Sun- Layers and phenomena like sunspots,solar flares.

### Mains Perspective: Notes need to be prepared

- Space Technology (GS III- Science and Technology)
- Solar system (GS I - Geography)

### What needs to be known?

- Aditya-L1 Mission
  - ➔ **What is it?**: It is a solar observatory mission launched by ISRO to L1 Lagrange point using the Polar Satellite Launch Vehicle (PSLV) XL.
  - ➔ **Objective**: To study layers of sun, solar wind and Coronal Mass Ejection, flares.
- Lagrange Points
  - ➔ **What is it?**: Lagrange points are special positions in space where the gravitational forces of two large orbiting bodies, such as the Sun and the Earth, balance each other out.
- Terms Associated with the Sun
  - ➔ **Solar Wind**: The solar wind is made of plasma (ionised atoms), a stream of energised, charged particles, primarily electrons and protons, flowing outward from the Sun at speeds as high as 900 km/s and at a temperature of 1 million°C.
  - ➔ **Solar Flares**: Solar flares are magnetic storms which appear to be very bright spots with a gaseous surface eruption.

>> Kozhikode

>> Ernakulam

>> Thiruvananthapuram

→ **Coronal Mass Ejection (CME):** A Coronal Mass Ejection (CME) is a massive burst of plasma and magnetic field released from the Sun's outer atmosphere (the corona) into space.

### 3. Free Trade Agreement (FTA)

#### Prelims Perspective: What needs to be learned?

- Free Trade Agreement
- Levels of Economic Integration

#### Mains Perspective: Notes need to be prepared

- Implications of Free Trade Agreements on the Indian Economy (GS III- Economy)
- Effects of agreements involving India and/or affecting India's interests (GS II – IR)

#### What needs to be known?

- **Free Trade Agreement (FTA)**
  - ➔ **What is it?**: Eliminates tariffs and quotas on most goods and services among members, but each retains its own external tariffs. Examples include NAFTA (now USMCA) and EFTA.
- **Levels of Economic Integration**
  - ➔ **Preferential Trade Agreement (PTA)**: Countries offer reduced tariffs on select goods to each other while maintaining individual trade policies with outsiders. This is the shallowest form.
  - ➔ **Free Trade Area (FTA)**
  - ➔ **Customs Union**: Adds a common external tariff (CET) on non-members to an FTA, harmonizing trade policy toward outsiders. The EU began as one.
  - ➔ **Common Market**: Extends customs union by allowing free movement of factors like labor and capital across borders.
  - ➔ **Economic and Monetary Union**: Harmonizes fiscal, monetary policies, and often adopts a single currency, with supranational institutions. The Eurozone exemplifies this.
  - ➔ **Complete (Political) Union**: Full unification of economic, fiscal, and political policies under a central authority, with synchronized sovereignty.