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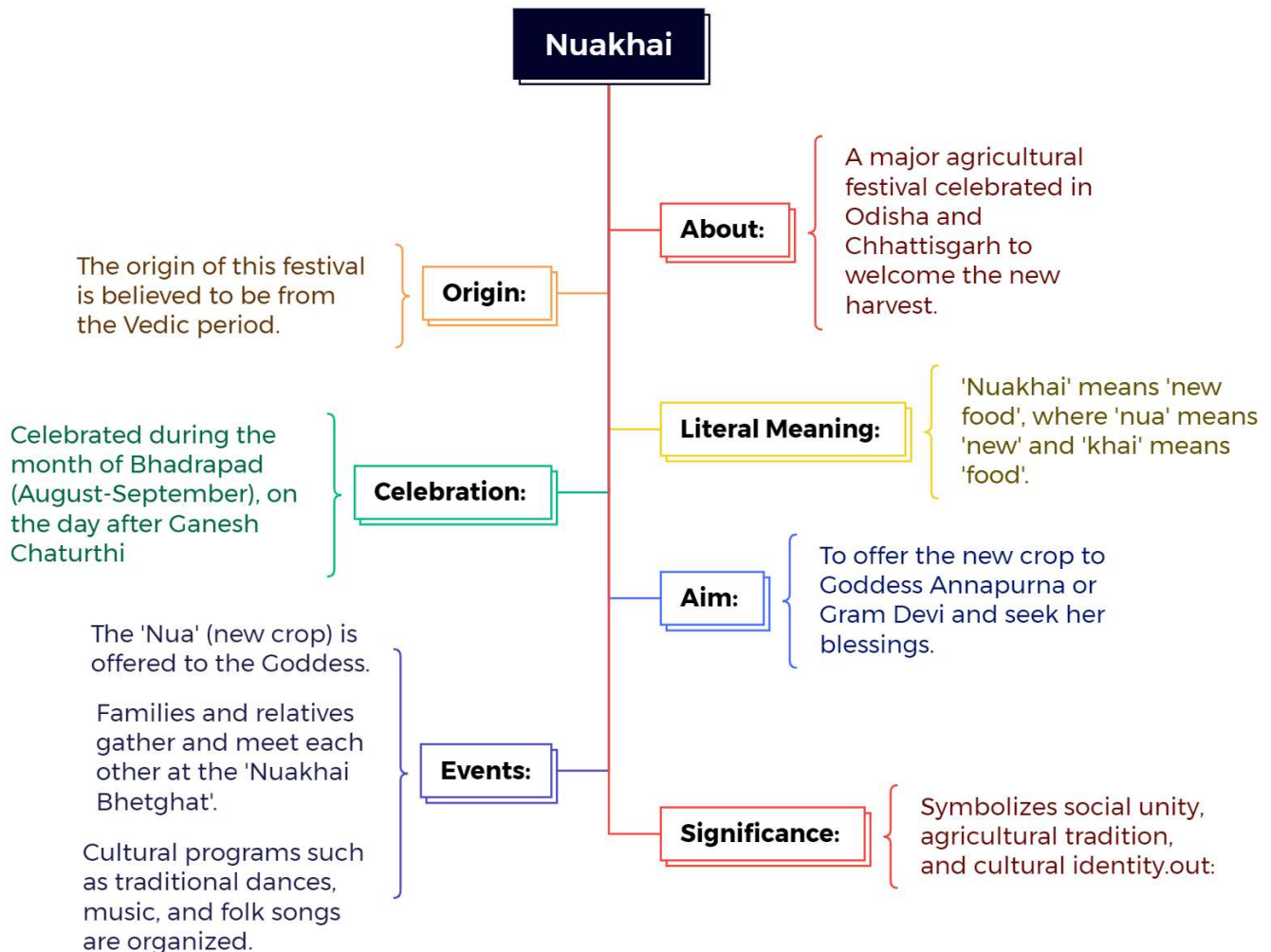
 **SAMYAK IAS, NEAR RIDDHI-SIDDHI, JAIPUR**

# Art & Culture

## 1. Nuakhai

### Context »

The Indian Prime Minister recently extended warm greetings on the occasion of Krishi Parv Nuakhai.



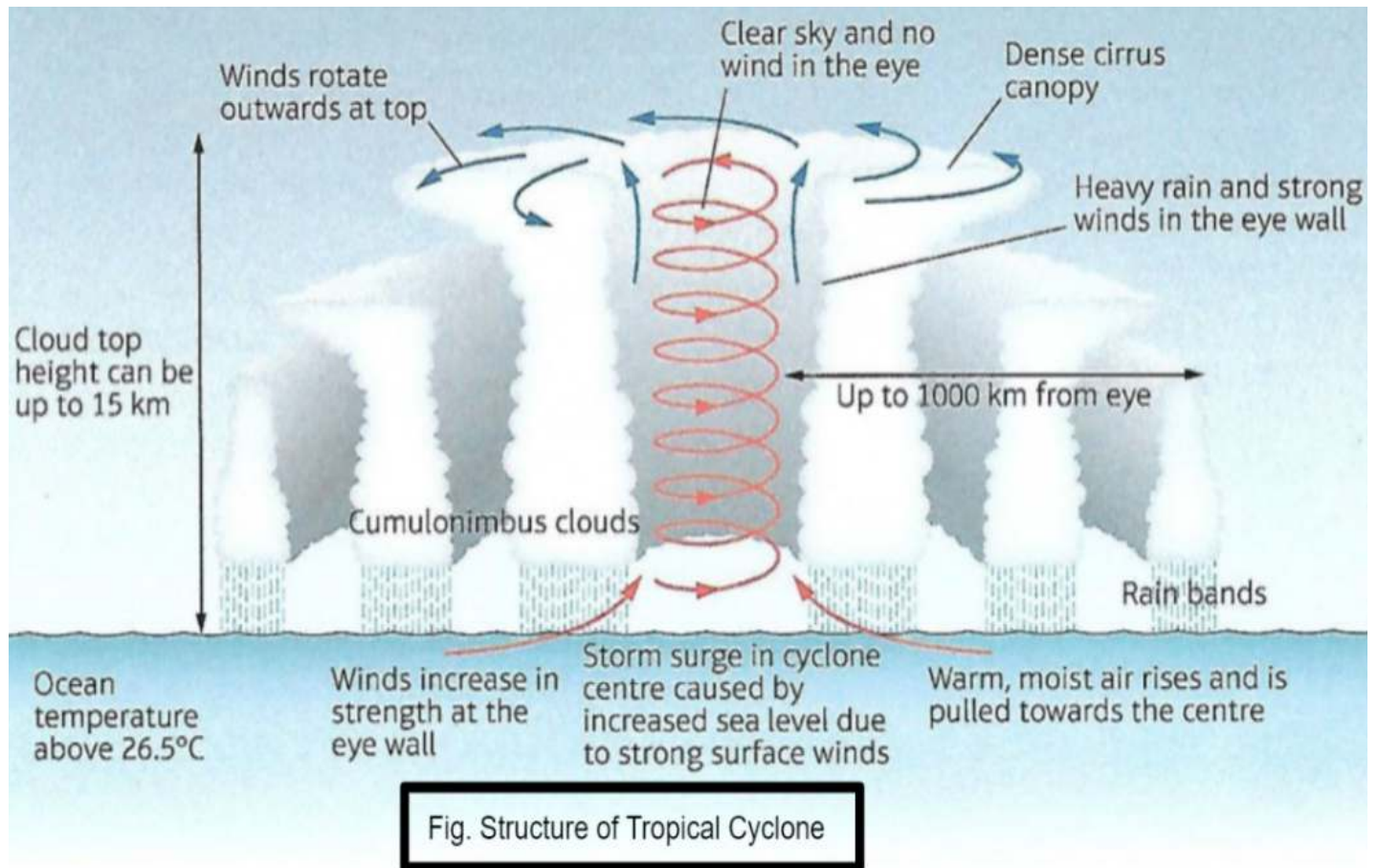
# Geography

## 2. Typhoon Yagi

### Context »

This year's most powerful cyclone 'Yagi' reached northern Vietnam after wreaking havoc in South China's island province of Hainan. Cyclone Yagi initially formed as a tropical cyclone off the northwestern Philippines, then strengthened as it moved into the South China Sea. Yagi is the most powerful autumn cyclone ever recorded in China, and will be the second most powerful cyclone globally in 2024. It has been classified as a 'super typhoon', which is equivalent to a Category 5 cyclone.

## Tropical Cyclone



- **Origin:** Over warm ocean waters in tropical regions.
- **Mechanism:**
  - Warm, moist air rises from the ocean surface, creating a low-pressure area.
  - Surrounding higher-pressure air moves towards the low-pressure area causing the air to warm up and rise further.
  - As the rising air cools, it forms clouds.
  - This system of spinning clouds and wind intensifies with the ocean's heat.
  - As wind speeds increase, an eye forms at the centre.
- **Characteristics of a Tropical Cyclone:**
  - Calm centre with very low air pressure.
  - Average wind speed - 120 km/h.
  - Closed isobars, leading to higher wind velocities.
  - Move from east to west under the effect of trade winds
  - Seasonal in nature (late summers)
- **Naming:** Named by one of five regional bodies:
  - ESCAP/WMO Typhoon Committee
  - WMO/ESCAP Panel on Tropical Cyclones (responsible for naming cyclones in the Indian Ocean)
  - RA I Tropical Cyclone Committee
  - RA IV Hurricane Committee
  - RA V Tropical Cyclone Committee

## Classification:

Category 1	Category 2	Category 3	Category 4	Category 5
Minimal damage	Moderate damage	Extensive damage	Extreme damage	Catastrophic
				
Winds 119-153 kph	Winds 154-177 kph	Winds 178-208 kph	Winds 209-251 kph	Winds 252 kph and more

Cyclone Category	Wind Speed in Km/h	Damage Capacity	Type of Disturbances	Wind Speed in Km/h
01	120-150	Minimal	Low Pressure	Less than 31
02	150-180	Moderate	Depression	31-49
03	180-210	Extensive	Deep Depression	49-61
04	210-250	Extreme	Cyclonic Storm	61-88
05	250 +	Catastrophic	Severe Cyclonic Storm	88-117
			Very Severe Cyclone	118-221
			Super Cyclone	More than 221

## Society

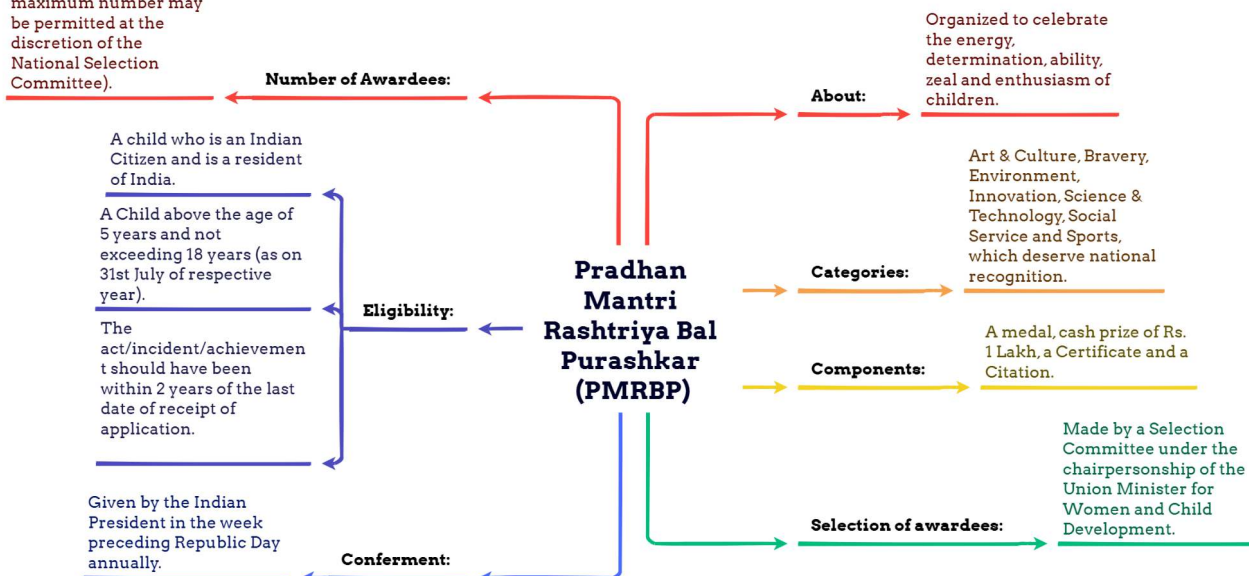
### 3. Pradhan Mantri Rashtriya Bal Purashkar – PIB

#### Context »

The Ministry of Women & Child Development organises Pradhan Mantri Rashtriya Bal Purashkar (PMRBP) every year to celebrate the energy, determination, ability, zeal and enthusiasm of our children.

#### Pradhan Mantri Rashtriya Bal Purashkar (PMRBP)

25 (but relaxation to this maximum number may be permitted at the discretion of the National Selection Committee).

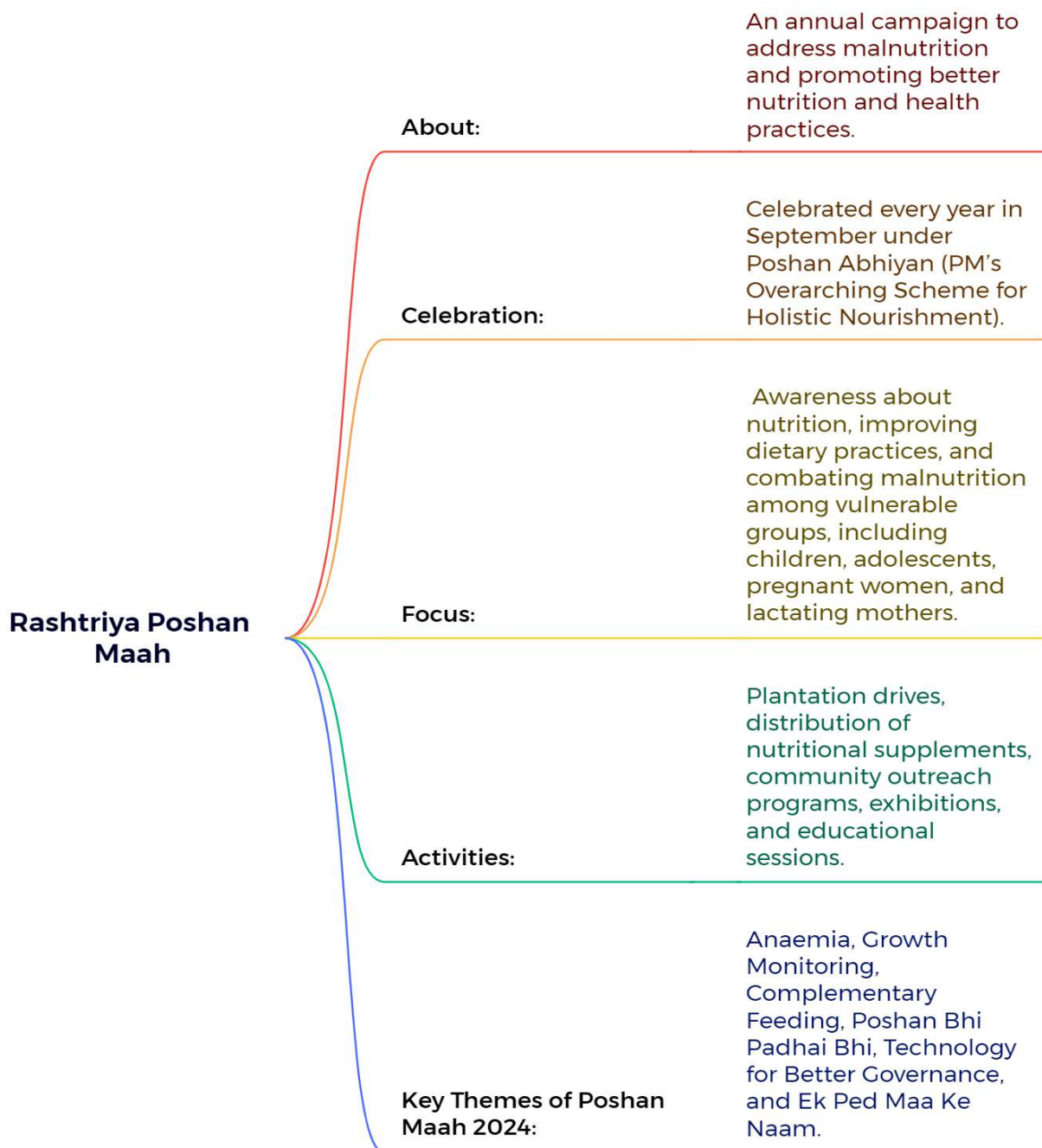


## 4. Ensuring Healthy Growth in Children through complementary feeding—a crucial theme of Poshan Maah 2024 – PIB

### Context »

The Ministry of Women and Child Development is observing the 7th Rashtriya Poshan Maah, a month-long event aimed at improving ground-level nutrition outcomes and encouraging behavioral changes.

### Rashtriya Poshan Maah

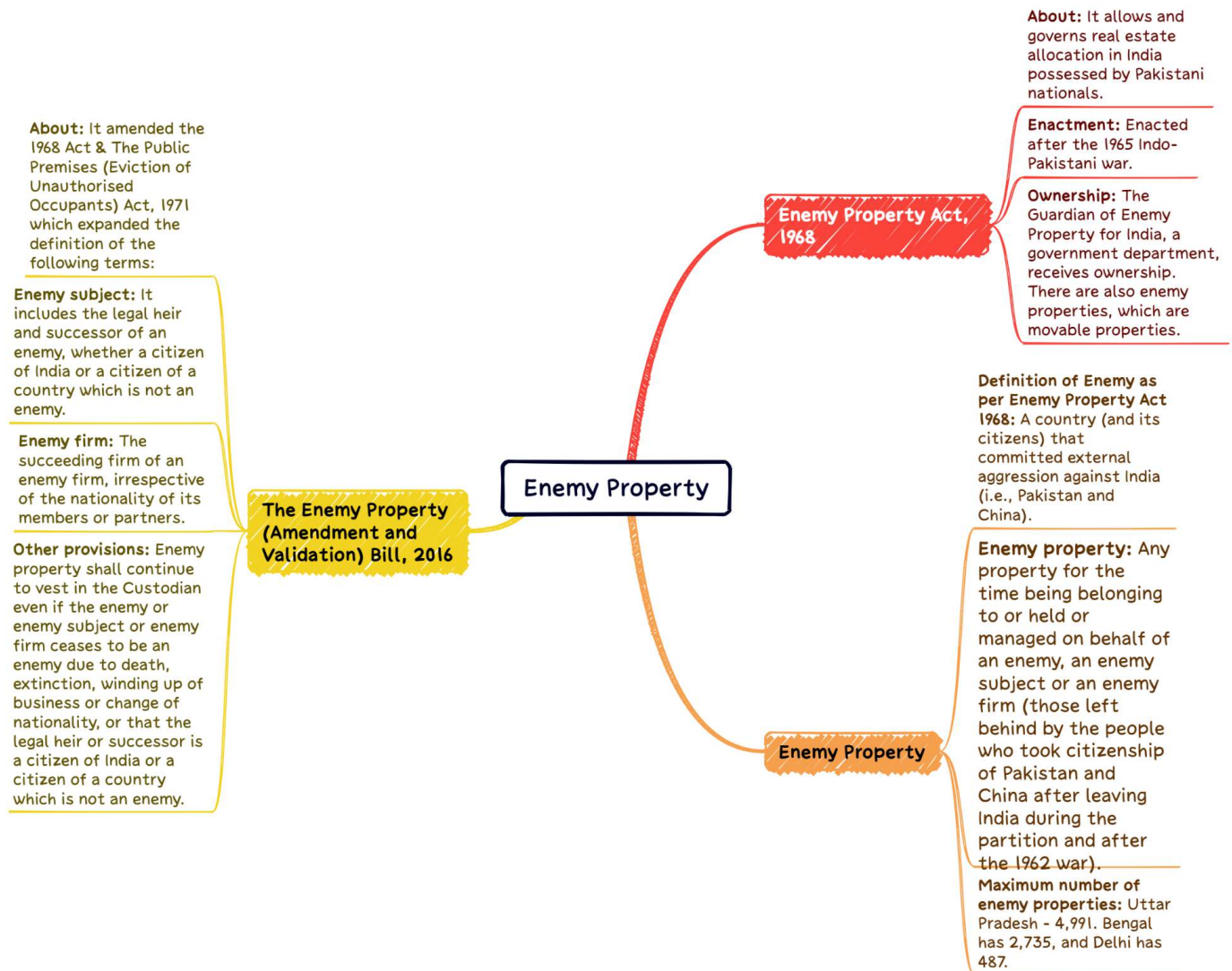


# Polity

## 5. Enemy Property Act – Indian Express

### Context »

A parcel of land in Uttar Pradesh, previously belonging to the family of former Pakistan President Pervez Musharraf, is set to be auctioned under The Enemy Property Act.



## 6. Delay in Census: Centre Dissolves Panel on Statistical Surveys After Concerns Raised

### Context »

- The Central Government dissolved the Standing Committee on Statistics (SCoS), A 14-member panel established to oversee statistical surveys, on September 9, 2024.
- The dissolution follows concerns raised by members over the delay in conducting the economic census and the decennial population census.
- India's last population census was conducted in 2011, and the next round, scheduled for 2021, has been delayed indefinitely, raising questions about the reliability of household surveys in the absence of up-to-date census data.

## Standing Committee on Statistics

- **Formation:** Constituted on July 13, 2023, by renaming and expanding the Standing Committee on Economic Statistics (SCES), initially formed in December 2019.
- **Purpose:**
  - To review the existing framework and address issues related to survey methodologies, sampling design, survey instruments, and results.
  - To provide guidance on the conduct of pilot surveys and pre-testing before finalizing data collection schedules.
  - To identify data gaps and suggest strategies for improving the statistical system.

**Support for Research:**  
Provides grants to NGOs and research institutions for special studies, statistical report printing, and organizing seminars, workshops, and conferences on official statistics.

**Nodal Agency Role:** Acts as the central agency for the planned development of the statistical system in India, setting and maintaining standards for data collection, processing, and dissemination.

**Data Dissemination:**  
Publishes statistical information for government and private users, and shares data with international organizations upon request.

**Coordination and Advisory:** Coordinates statistical work across various Ministries/Departments and State Statistical Bureaus (SSBs), and advises them on methodologies and data analysis.

**Survey Evaluation:**  
Examines survey reports for technical accuracy, evaluates sampling design, and assesses feasibility for surveys by the National Sample Survey Office and other government bodies.

**National Accounts Preparation:** Prepares national accounts, including estimates of national income, consumption, capital formation, savings, and State Domestic Product (SDP).

**Large-scale Sample Surveys:** Conducts nationwide surveys on employment, consumer expenditure, housing, health, literacy, nutrition, and other socio-economic areas.

### Responsibilities of the National Statistical Office (NSO)

**International Liaison:** Maintains relations with global statistical organizations like UNSD, ESCAP, SIAP, IMF, ADB, FAO, ILO, etc.

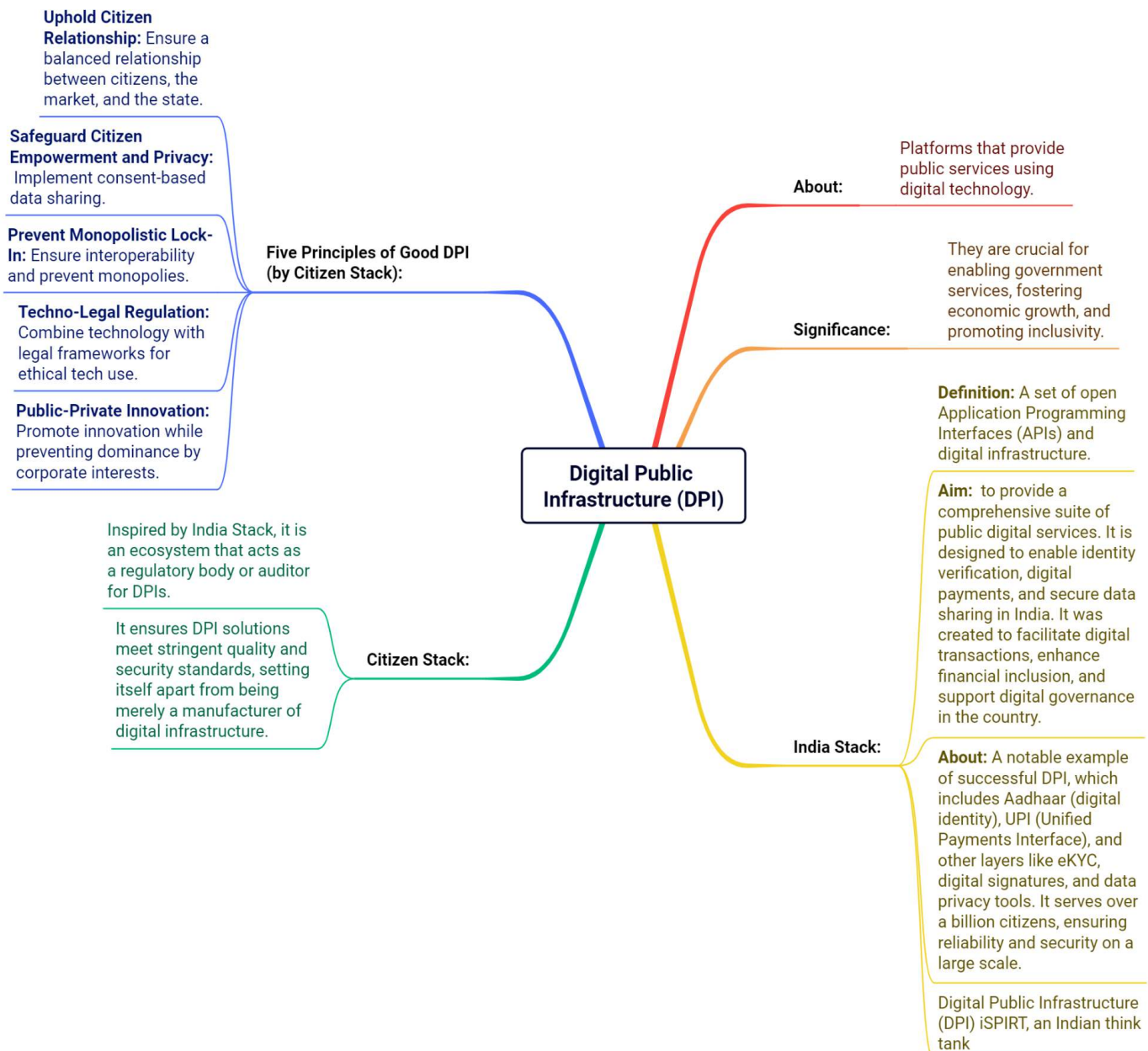
**Economic Census and Surveys:** Organizes periodic Economic Censuses and follow-up surveys, and processes data from various socio-economic surveys.

**Industrial and Economic Surveys:** Compiles and releases the monthly Index of Industrial Production (IIP), conducts the Annual Survey of Industries (ASI), and assesses the manufacturing sector.

## 7. What we mean by good digital public infrastructure

### Context >>

- The concept of "Good Digital Public Infrastructure (DPI)" has gained prominence as various stakeholders, including private enterprises, government bodies, non-profit organizations, and think tanks, strive to create and promote their DPI solutions.
- The Citizen Stack has been highlighted as a model for evaluating the integrity and reliability of DPI solutions, setting standards and principles to differentiate "good DPI" from "bad DPI."





## World Affairs

### 8. EAM S. Jaishankar to attend 1st India Gulf Cooperation Council Foreign Ministers' Meeting in Riyadh – Indian Express

#### Context »

External Affairs Minister S Jaishankar will attend the first India–Gulf Cooperation Council (GCC) Foreign Ministers' Meeting in Riyadh. This historic gathering aims to strengthen ties between India and the Gulf nations.

#### Gulf Cooperation Council (GCC)

- **About:** A political and economic alliance of 6 Middle Eastern countries—Saudi Arabia, Kuwait, the United Arab Emirates, Qatar, Bahrain, and Oman.
- **Establishment:** In Riyadh, Saudi Arabia, in May 1981.
- **Objective:** To achieve unity among its members based on their common objectives and their similar political and cultural identities, which are rooted in Arab and Islamic cultures.
- **Presidency:** Rotates annually among member states.

- **Structure:**

- **Supreme Council:** Highest authority of the organization composed of the heads of the Member States whose presidency rotates periodically among the Member States in alphabetical order.
- **Ministerial Council:** Composed of the Foreign Ministers of all the Member States or other ministers deputizing for them which meets every three months to implement the decisions of Supreme Council.
- **Secretariat General:** Administrative arm of the alliance, which monitors policy implementation and arranges meetings.



## Environment

### 9. Researchers discover new species of genus *Curcuma* in Nagaland – The Hindu

#### Context »

Researchers have identified a new 'cousin' of the turmeric, thanks to a serendipitous discovery during a field trip in Nagaland.

#### *Curcuma ungmensis*

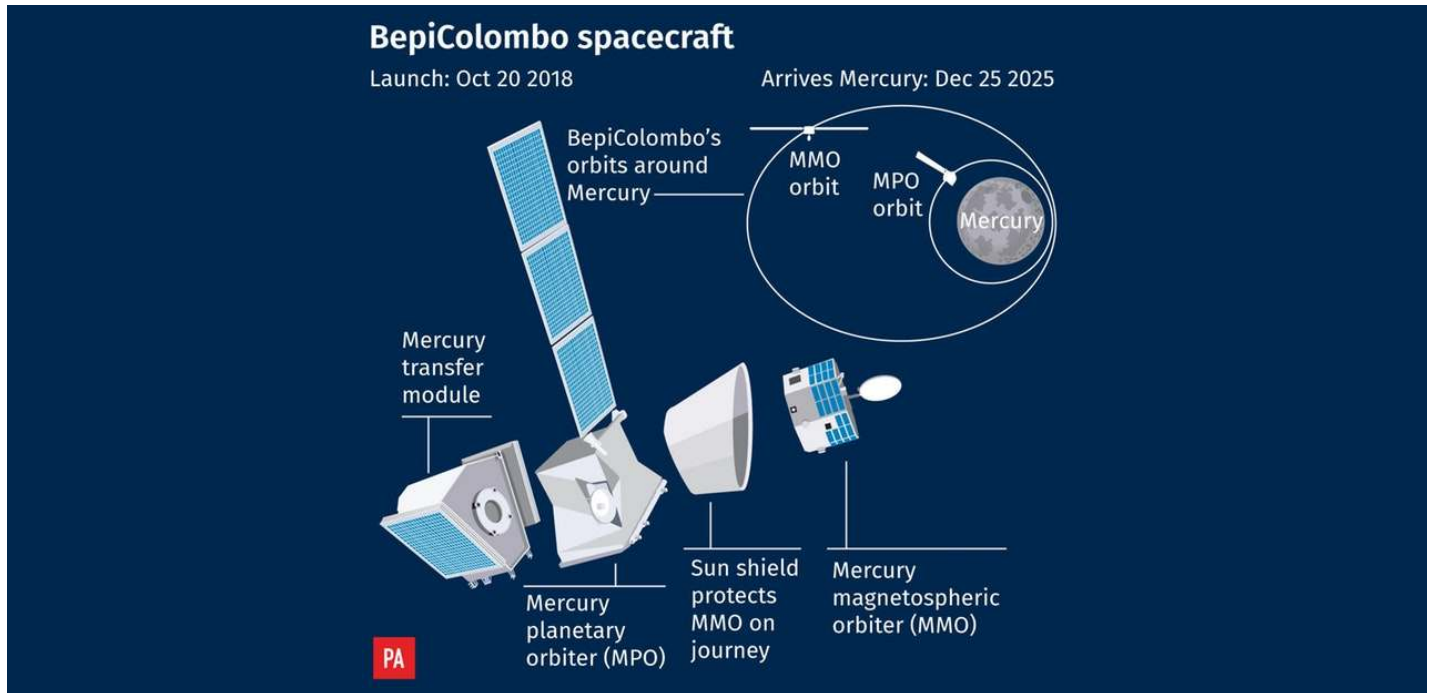
- **Genus:** *Curcuma* (the ginger family Zingiberaceae).
- **Type:** A rhizomatous herb i.e. the rhizome (subterranean stem) part is branched and found deeply buried in the soil.
- **Flowering:** During the rainy season from August to October.
- **Threats:** Road development, building construction and natural calamities.
- **Distribution:** South and southeast Asia and south China with some being found in northern Australia and the South Pacific.

## Science & Technology

### 10. The significance of the first clear images of Mercury's South Pole – Indian Express

#### Context »

The spacecraft, BepiColombo, recently gave scientists their first clear view of Mercury's south pole. It also captured several of the planet's craters, including those with unusual rings of peaks within the basin's rim.



- **About:** A joint European Space Agency (ESA) and Japan Aerospace Exploration Agency (JAXA) mission to study Mercury's surface, composition, magnetic field and its interaction with the solar environment.
- **Naming:** Named after Giuseppe "Bepi" Colombo, an Italian mathematician and engineer who made significant contributions to the understanding of Mercury's orbit.
- **Launch:** October 20, 2018
- **2 Components:**
  - Mercury Planetary Orbiter (MPO): Provided by ESA for mapping and studying Mercury's surface, as well as its composition and topography.
  - Mercury Magnetospheric Orbiter (MMO): Provided by JAXA to study Mercury's magnetic field and magnetosphere.
- **Objectives:**
  - Investigating Mercury's surface and composition to better understand its geological history and formation processes.
  - Studying Mercury's magnetic field and magnetosphere to gain insights into its internal structure and how it interacts with the solar wind.
  - Measuring Mercury's exosphere (a thin atmosphere) and understanding its composition and dynamics.
  - Conducting experiments to test certain principles of general relativity and improve our understanding of gravity.

## 11. Man with Mpox symptoms isolated, no need for undue concern – The Hindu4

### Context >>

A young male patient, who recently returned to India from a country with active Mpox transmission, has been identified as a suspected Mpox case, the Union Health Ministry said recently.

### Monkeypox (Prelims)

Monkeypox is a viral zoonosis (a virus transmitted to humans from animals) with symptoms very similar to those seen in the past in smallpox patients, although it is clinically less severe. It occurs primarily in tropical rainforest areas of Central and West Africa and is occasionally found in other regions.



WHO

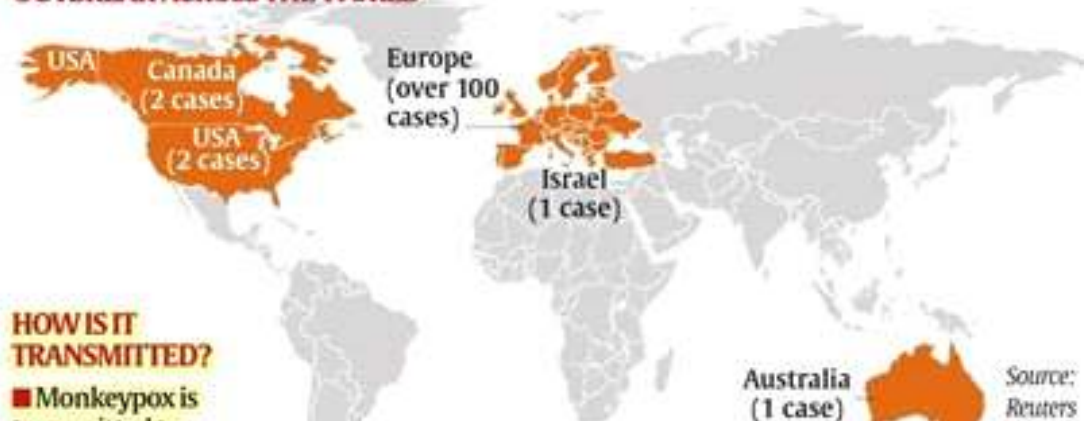
#### SYMPTOMS

- Patients typically contract fever and also get rash and swollen lymph nodes and may lead to a range of medical complications.
- It is usually a self-limited disease with the symptoms lasting from 2 to 4 weeks.

#### DIAGNOSIS

- The clinical differential diagnosis that must be considered includes other rash illnesses, such as chickenpox, measles, bacterial skin infections, scabies, syphilis, and medication-associated allergies.

#### OUTBREAK ACROSS THE WORLD



#### HOW IS IT TRANSMITTED?

- Monkeypox is transmitted to humans through close contact with an infected person or animal, or with material contaminated with the virus.
- The virus is transmitted from one person to another by close contact with lesions, body fluids, respiratory droplets and contaminated materials, such as bedding.

#### IS THERE A VACCINE?

- Vaccines for smallpox eradication also provide protection against monkeypox.
- Newer vaccines have been developed of which one has been approved for monkeypox.
- An antiviral agent developed for the treatment for smallpox has also been licensed monkeypox.