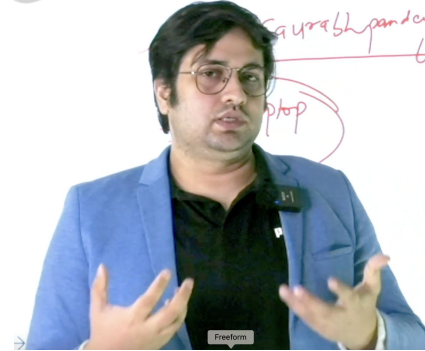


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## Topics - MINDS MAPS included (Daily current affairs )-- 20th september 2024

- **Harappa civilisation**
- **White Revolution**
- **What is PAM ?**
- **Ukraine and Russia**
- **Simultaneous election**
- **Adjusted Gross revenue**
- **Zinc Consumption in india**
- **Mains**



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THE HINDU

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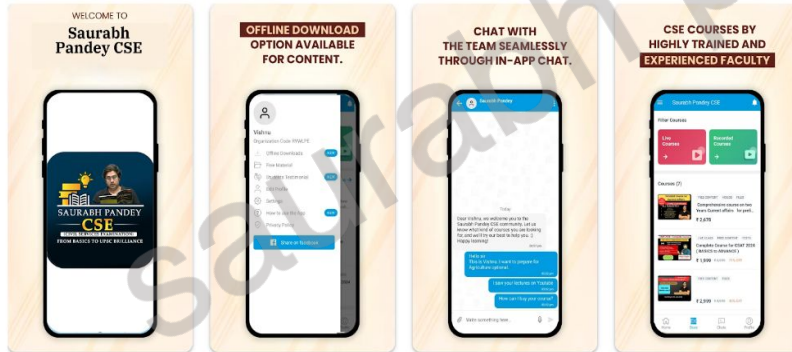
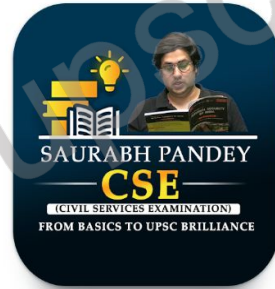
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# Topic- Harappan civilisation



## Overview

Definition: The (Harappan) civilisation, also known as the Indus Valley Civilisation.

Location: Spread across present-day Pakistan, northwest India, and parts of Afghanistan.

Historical Significance: First discovered site at Harappa; known for technological advancements and urban planning.



## Key Features

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### Technological Powerhouse:



Town Planning: Grid patterns, drainage systems.



Water Management: Reservoirs, wells, and irrigation.



Construction: Massive fortifications and seafaring vessels.



Craftsmanship: Bronze and copper artefacts, pottery, and bead-making.

### Cultural Aspects:



Seals: Made from steatite featuring human and animal motifs, inscribed scripts.



Artifacts: Exquisite painted pottery and terracotta products.

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## Historical Timeline

Early Phase (3200 BC - 2600 BC)

Mature Phase (2600 BC - 1900 BC)

Late Phase (1900 BC - 1500 BC): Decline and collapse.

Key Sites:



Mohenjo-daro



Harappa



Ganweriwala



Rakhigarhi



Dholavira

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## Archaeological Findings

Discovery:

1924 by Marshall, connecting Harappa and Mohenjo-daro.

Research Challenges:

Ongoing intrigue among various academic disciplines (e.g., epigraphists, metallurgists).

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## Geographic Distribution

Civilisational Area: Approximately 1.5 million sq.km.

Notable Regions:

Northwestern India: Gujarat, Haryana, J&K,  
Rajasthan, Uttar Pradesh.

Southernmost Outpost: Daimabad (Maharashtra).  
Sites in Pakistan and Afghanistan.

*Harappan civilization remains a subject of fascination for historians and archaeologists, providing insights into early urban planning and societal organization.*

---



## Topic- 2 White revolution in India



## Overview

The White Revolution refers to the rapid expansion of milk production in India.

Initiated in the 1970s, this program aimed at making India one of the largest milk producers in the world.

The recent launch of White Revolution 2.0 aims to further enhance the dairy sector.

## Key Highlights:

Government announced the new phase of the White Revolution.

Focus on women empowerment and combating malnutrition.

Full budgetary support promised for the initiative.

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## Key Outcomes:

Increased milk production 

Improved farmer incomes 

Development of rural infrastructure 

## Current Developments

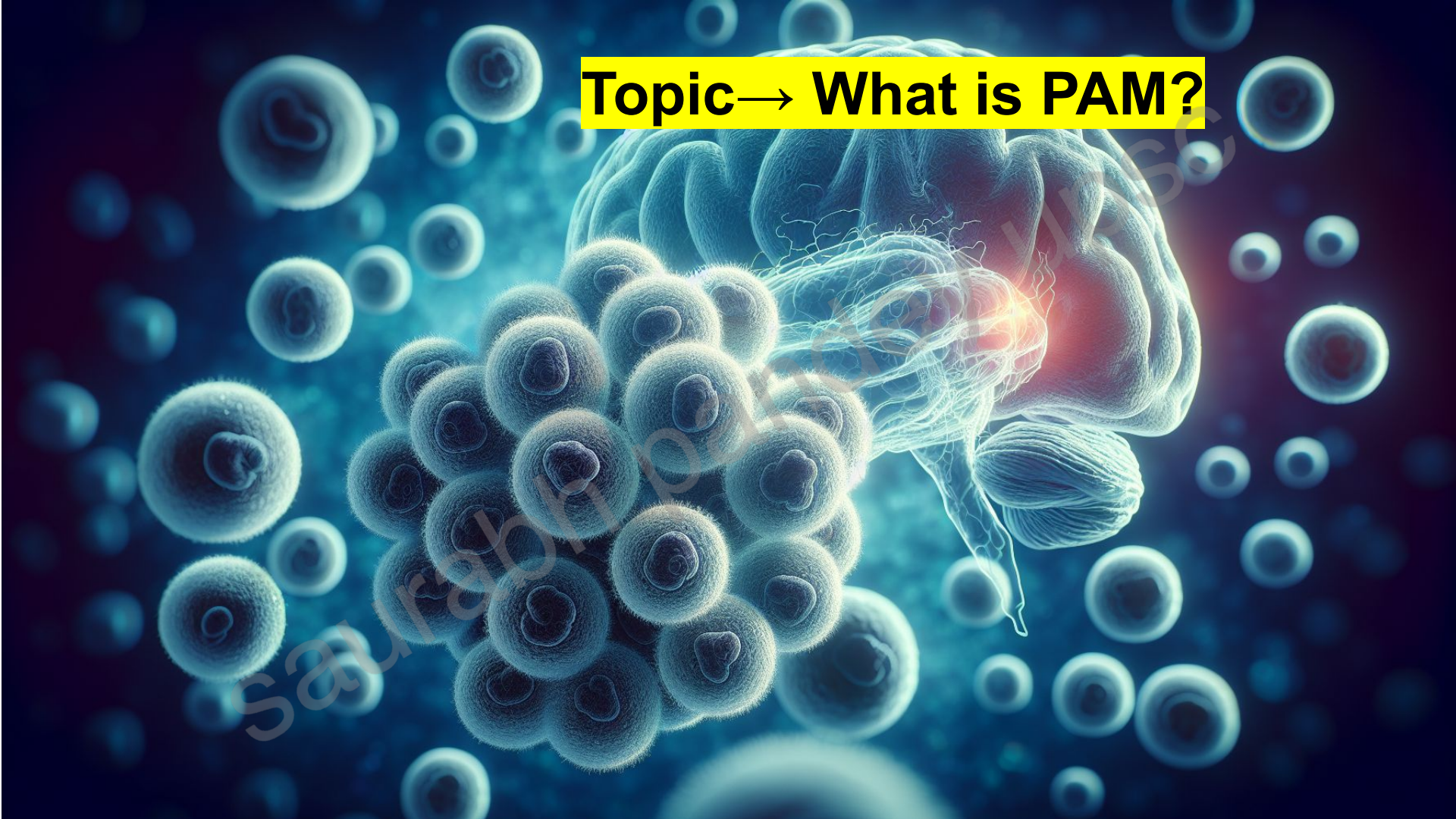
Launch of White Revolution 2.0 aimed at further enhancing the dairy sector 

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# Topic → What is PAM?



## Topic→ What is PAM? (Primary Amoebic Meningoencephalitis)

### Overview

Definition: PAM is a rare and severe disease caused by the infection with *Naegleria fowleri*, known as the "brain-eating amoeba". 🧠💀

Symptoms: Causes brain tissue destruction, leading to severe swelling and often death.

Demographics: Primarily affects healthy children, teens, and young adults.

Fatality Rate: High due to rapid onset and delayed diagnosis.

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## Key Facts

Survivors: Only 11 confirmed survivors reported in medical literature.

Geographical Instances: Cases reported in Kerala, India, involving *Naegleria fowleri*, *Vermamoeba vermiformis*, and *Acanthamoeba*.

Genomic Sequencing: Lack of comprehensive genomic data on all cases.

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## Treatment and Research

Current Treatments: Limited; primarily supportive care.

Research: Ongoing studies for vaccines and better treatment options, including mRNA-based vaccines.

## Prevention

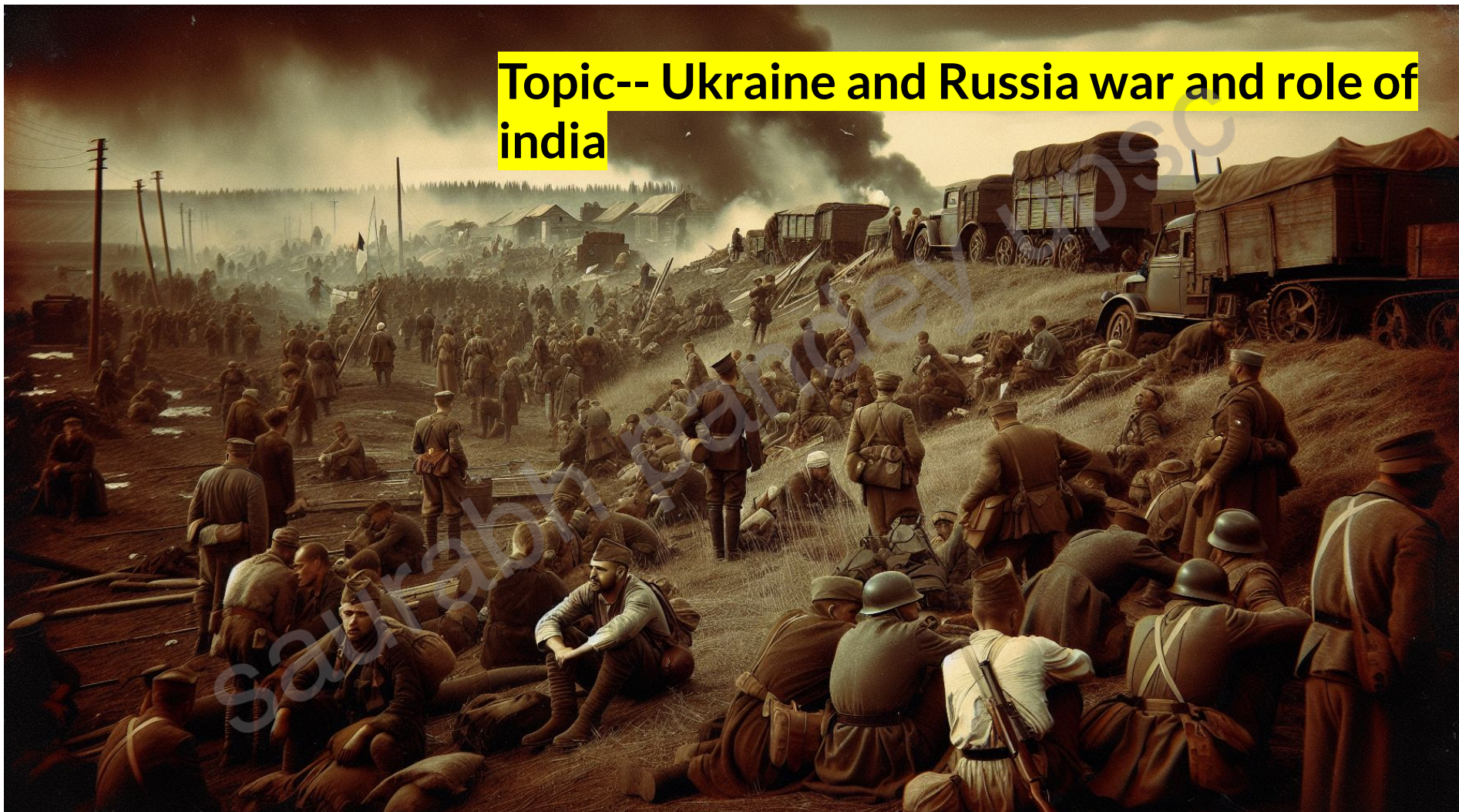
Awareness: Understanding the risks associated with warm freshwater environments.

Guidance: CDC guidelines for public water systems to minimize contamination risks.

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# Topic-- Ukraine and Russia war and role of india



## Topic → India's Role in the Geopolitical Landscape

### Overview

India's Geopolitical Position 🌐

Engaging both the West and Eurasian leadership

Long-held beliefs in non-alignment and strategic autonomy

Image as an "honest broker" or mediator

Global South Representation 🌍

Important voice for developing nations

G-20 presidency focused on energy and food security

Bilateral Trade Dynamics 🔄

Increased intake of Russian oil

Six-fold increase in trade with Russia

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## Legacy of Leadership

- a. Modi's ambition to build a global legacy
- b. Historical context: Nehru's diplomatic efforts

### **Historical Context**

Legacy of Nehru: Like Nehru's mediation efforts, Modi aims for a global legacy.

Past Mediation Roles: Historical efforts in Korea, Vietnam, and Cambodia.

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## **Assessment of the Ukraine Situation**

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Current War Status: Russian troops control significant territory; Ukrainian forces maintain defense.

Escalation Risks: Potential for massive escalation if status quo changes.

Zelenskyy's Strategy: Seeking military support for offensive capabilities.

### **Global Implications**

U.S. Election Influence: Outcome may affect U.S. support for Ukraine, impacting the geopolitical balance.

Putin's Stance: Direct war implications if Western support escalates.

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## Conflict Context:



- i. Rejection of Proposals:
  - 1. Mr. Putin and Mr. Zelenskyy have dismissed each other's proposals.
  - 2. Notable proposals include the Bürgenstock Communiqué and Brazil-China six-point plan.

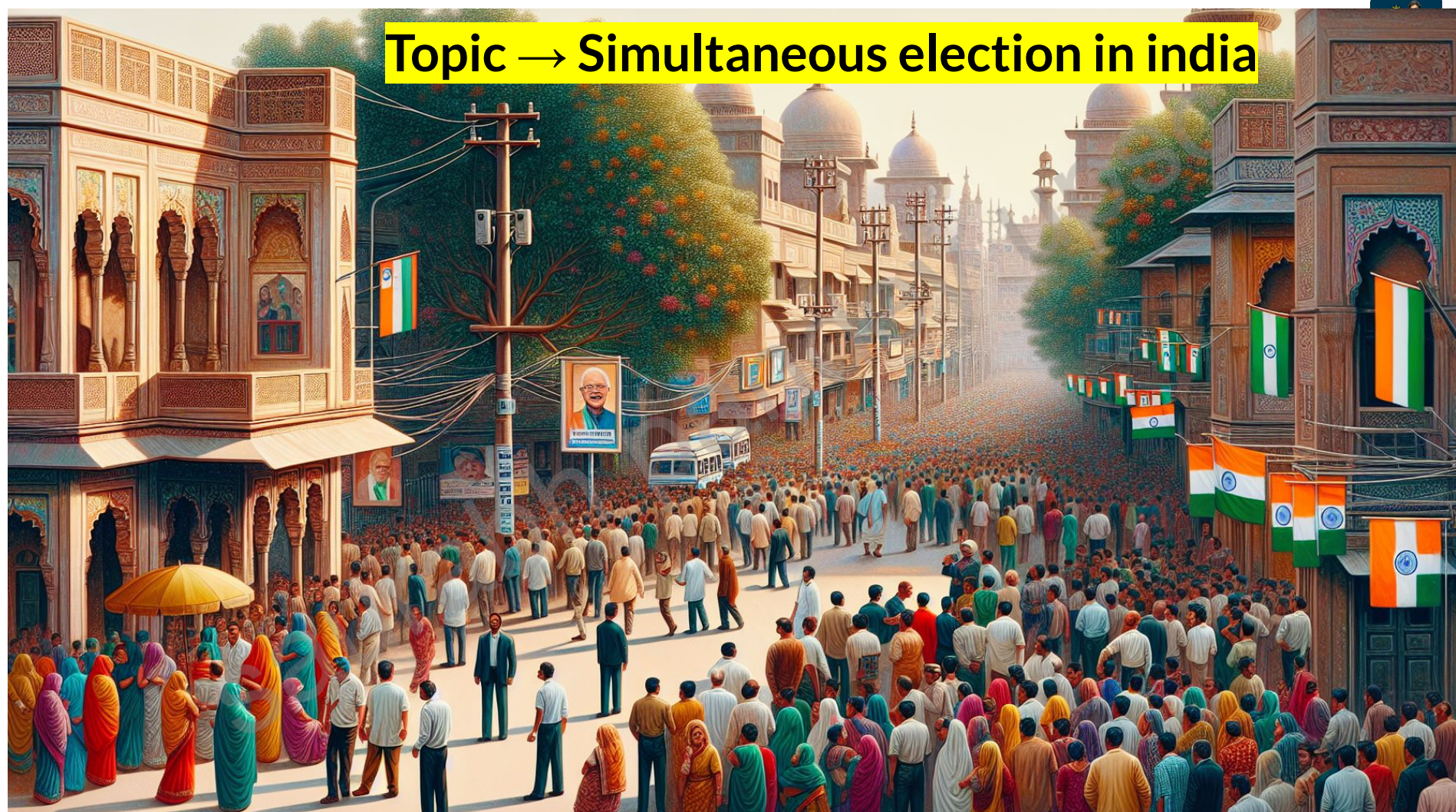
## India's Stance:

- i. Principles laid out by India's external affairs minister:
  - 1. This is not the era of war.
  - 2. No solutions on the battlefield.
  - 3. Russia must be involved in talks.
  - 4. India is committed to finding a resolution.

## Future Steps:

- i. India could act as a mediator or host for a summit.
- ii. Requires diplomatic goodwill and intensified government engagement.

# Topic → Simultaneous election in india



## Overview of Simultaneous Elections

Definition: Holding Lok Sabha and State Assembly elections at the same time.

Committee: Recommendations by a high-level committee led by former President Ram Nath Kovind.

## Key Reasons for Proposal

Cost Reduction: Significant savings in conducting elections.

Improved Governance: Reducing prolonged campaigns affecting legislative work.

Empirical Evidence: Lack of data to support cost-saving claims.

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## Challenges and Considerations



Constitutional Amendments: Required to implement the proposal in Parliament and State Assemblies.

Prolonged Election Process: Potential delays in electoral timelines.

Midterm Elections: New Assemblies may not have full five-year tenures after early dissolutions.

Federalism Concerns: May undermine federal structure of governance.

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## **Implementation Steps**

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Phase 1: Lok Sabha and State Assembly elections.

Phase 2: Municipal and Panchayat polls within 100 days post general elections.

## **Recent Developments**

Cabinet Approval: Recent approval for the scheme.

Opposition: Concerns raised by political parties and citizens.

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**Definition:** A governance framework where different levels of government have distinct roles.

**Importance:** Each tier has its own significance in the electoral process and representation.

## **Factors Influencing Representation**

Voter Choices:

Party affiliation

Candidate strength

Ideological positions

Socio-economic reasons

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## **Challenges**

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### Simultaneous Elections:

Perennial campaign mode for representatives

Risk of diminishing the importance of local governance

Potential anti-federal implications

## **Recommendations**

### Rejection of Simultaneous Polls:

Civil society and political parties should oppose proposals affecting federalism.

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## Importance of Each Tier

Each governance tier holds its own significance.

Local elections (Assembly and municipal) are crucial for grassroots representation.

## Political Dynamics

Centralizing tendencies in dominant parties affect election dynamics.

Shortening tenures of state governments could lead to instability.

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## Understanding Adjusted Gross Revenue (AGR)

Definition: The revenue used to calculate the license fees and spectrum usage charges for telecom companies.

Components:

Gross Revenue: Total revenue from all operations.

Deductions: Includes specific exclusions allowed by the government.

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## 'Recent Developments'

### Supreme Court Rulings:

Recent decisions rejecting pleas from telecom firms for recalculating AGR.

Impact on companies like Vodafone and Airtel due to ongoing disputes regarding dues.

### Financial Implications:

Increased financial burdens on telecom companies.

Market responses and share price fluctuations.

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## Importance of AGR

Regulatory Compliance: Ensures telecom companies adhere to government regulations.

Market Stability: Affects competition and pricing within the telecom sector.

## Future Considerations

Policy Changes: Potential reforms in how AGR is calculated.


Industry Impact: How changes in AGR calculation may affect the telecom landscape

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# Topic-- Zinc consumption in india




## Overview of Zinc Consumption


Current Trend: India's zinc consumption projected to exceed 2 million tonnes in the next decade 


Future Demand: Significant rise in demand expected due to infrastructure and renewable energy needs 

Health Aspect: Importance of zinc-rich foods in daily diets for health benefits 

## Key Drivers of Zinc Consumption

Infrastructure Development: Increased construction projects leading to higher demand for zinc in materials 

Renewable Energy: Anticipated surge in demand due to renewable energy technologies 

Automotive Industry: Growth in automotive sectors utilizing zinc for components 

Domestic vs Global Consumption: India's demand outpacing global growth rates, with projections for doubling in 5-10 years



Health Recommendations: Awareness campaigns promoting zinc-rich diets among the population 💪

## Challenges & Considerations































Market Fluctuations: Global economic conditions affecting zinc prices and availability ⚖️

Sustainability: Need for sustainable practices in zinc extraction and consumption 🌱

Sources: Various industry reports and market analyses indicate a robust growth trajectory for zinc in India. \_\_\_\_\_



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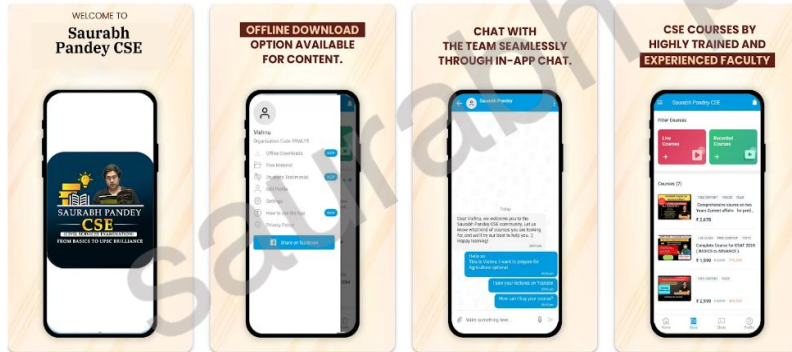
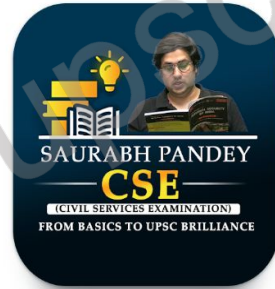
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