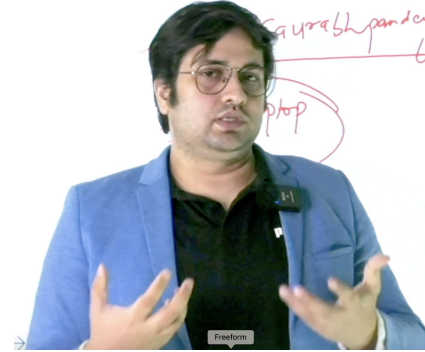

Topics - MINDS MAPS included (Daily current affairs))-- 19th september 2024

Committee On Simultaneous election

- All About Indus Water Treaty
- Pradhan Mantri Annadata Aay SanraksHan Abhiyan (PM-AASHA) Overview
- Space Program Initiatives
- → Understanding Spin Currents and the Mexican Wave Analogy
- Quad Leaders Summit 2024
- Mazar Hydroelectric Plant in Ecuador's Las Palmas
- Mains



By saurabh Pandey



THE HINDU

Target Mains -2024/25 -

Q “One nation one election will dilute representative nature of indian democracy ” Discuss

**Connect with sir
9057921649**

**send your answer - Saurabh pandey
upsc telegram channel**



Google Play

Games

Apps

Movies

Books

Kids



Saurabh Pandey CSE

Saurabh Pandey CSE

4.8★

77 reviews

1K+

Downloads

3+

Rated for 3+

Install



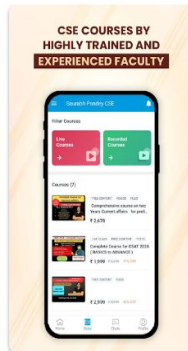
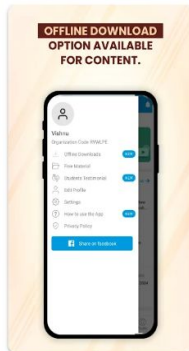
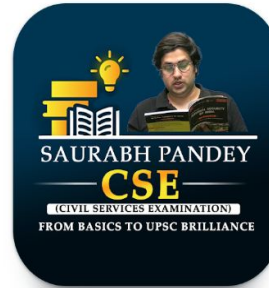
Share



Add to wishlist



This app is available for your device



App support

UPSC CSE PRELIMS TEST SERIES FOR 2025



- **Total 30 tests**
- **Includes advance current affairs and static**
- **Revision PDF**



**BY SAURABH
PANDEY SIR**

ATTENTION!! BATCH FOR 2025/26
LAUNCHED

connect with sir -9057921649

CURRENT AFFAIRS PLUS (FOR UPSC 2025)

INCLUDES

- PIB Analysis with pdf
- Down to earth
- physics.org
- science daily
- Major newspapers
- With practice test and Mains Mock

2 yrs
coverage



**BY SAURABH
PANDEY SIR**

Master Essay Writing

Connect with sir 90579 21649

ESSAY

- **Total 50 ESSAY**
- **Model essay**
- **VIDEO lectures**
- **Evaluation of Essay**

TARGET 140+

Starting 5th
September
2024



**BY SAURABH
PANDEY SIR**

STARTING Today --9|pm

GS PAPER 1

Connect with sir 90579 21649

Mains special

starting
10th Sep
2024

**Complete course on
Society,
globalisation,
Regionalism,
communalism
(FOR UPSC 2025/26)**



**BY SAURABH
PANDEY SIR**

Master Essay Writing

Connect with sir 90579 21649

ESSAY

- Total 50 ESSAY
- Model essay
- VIDEO lectures
- Evaluation of Essay

Starting 5th
September
2024



**BY SAURABH
PANDEY SIR**

TARGET 140+

GS PAPER 3

Connect with sir 90579 21649

Mains special

starting
10th Sep
2024

**Complete course on
Cybersecurity,
Disaster
Management and
Border management
(FOR UPSC 2025/26)**



**BY SAURABH
PANDEY SIR**

**LET'S TAKE
RIGHT
DECISION**

**LET'S
COMPLETE
THESE
MODULES
BEFORE
DECEMBER**

**BEFORE DECEMBER
MISSION**

Till 11:59 pm

GS PAPER 1
Mains special

**Complete course on
Society,
globalisation,
Regionalism,
communalism
(FOR UPSC 2025/26)**



**BY SAURABH
PANDEY SIR**

Courses to be focused



ESSAY

Society, Globalisation
Cyber security and disaster management
current affairs
Agriculture optional
Books series

COURSES

- ESSAY
- Society, Globalisation
- Cyber security and disaster management
- current affairs
- Agriculture optional
- Books series

Download
saurabh
pandey cse
app

Connect with sir
9057921649 (plz msg)

Content on cybersecurity , disaster management and border management uploaded (BEFORE DEC MISSION)



Border management basics .pdf



Border management basics .pdf



Border management basic part 2.pdf



Border management basic part 2.pdf



Border management basic part 2.pdf



Border management basic part 2.pdf



Border-management-Advance.pdf



Border-management-Advance.pdf



Disaster and Disaster Management Basics.pdf



Disaster and Disaster Management Basics.pdf



For course joining

Link given in description box of video

Or

Download saurabh pandey cse app

Or visit saurabhpandeyupsc.com and click on all courses

Connect with sir
9057921649



Topic → Committee On Simultaneous election

The Union Cabinet, chaired by the Prime Minister Shri Narendra Modi, has accepted the recommendations of the High-Level Committee on Simultaneous Elections under the chairmanship of former President Shri Ram Nath Kovind.

Simultaneous elections: recommendations of high-level committee

- 1. Elections have been held simultaneously between 1951 and 1967.**
- 2. Law Commission: 170th report (1999): One election to Lok Sabha and all Legislative Assemblies in five years.**
- 3. Parliamentary Committee 79th Report (2015): suggest methods for simultaneous elections in two phases.**
- 4. High Level Committee chaired by Shri Ram Nath Kovind extensively consulted a broad spectrum of stakeholders including political parties and experts.**

Recommendations and way forward

- 1. Implement in two phases.**
 - 2. In first phase: conduct Lok Sabha and Assembly elections simultaneously.**
 - 3. In second phase: Conduct local body elections (panchayat and municipalities) within 100 days of general elections.**
 - 4. Common electoral roll for all elections.**
 - 5. Will initiate detailed discussions throughout the country.**
 - 6. Constitute an implementation group.**
-

— Topic → All About Indus Water Treaty



Overview

Definition: An agreement between India and Pakistan regarding water distribution from the Indus River system.

Established: 1960, brokered by the World Bank.

Key Rivers: Indus, Jhelum, Chenab (controlled by Pakistan); Beas, Ravi, Sutlej (controlled by India).

Key Points

Purpose: To manage and share the river waters to avoid disputes.

Significance: Vital for agriculture, economy, and regional stability.

Current Situation

Recent tensions over treaty modifications and notices served by India to Pakistan for review.

Recent Developments

India serves notice to Pakistan seeking review of the treaty due to "changes in circumstances."

Key Articles under Review: Focus on potential modifications and implications for water sharing.

Key Issues



Disputes: Ongoing disagreements over water usage and rights.

Environmental Concerns: Impact of climate change and water scarcity.

Political Tensions: Influence on Indo-Pak relations.


Future of the Treaty

Potential renegotiation or modifications.

Role of international mediation and implications for regional politics.

Overview

Key Aspects of PM-AASHA

Objective: Ensure remunerative prices for farmers and control price volatility for consumers 

Budget:

Total outgo: ₹35,000 crore (2025-26 cycle)

Nutrient Based Subsidy (NBS) for fertilizers: ₹24,475.53 crore 

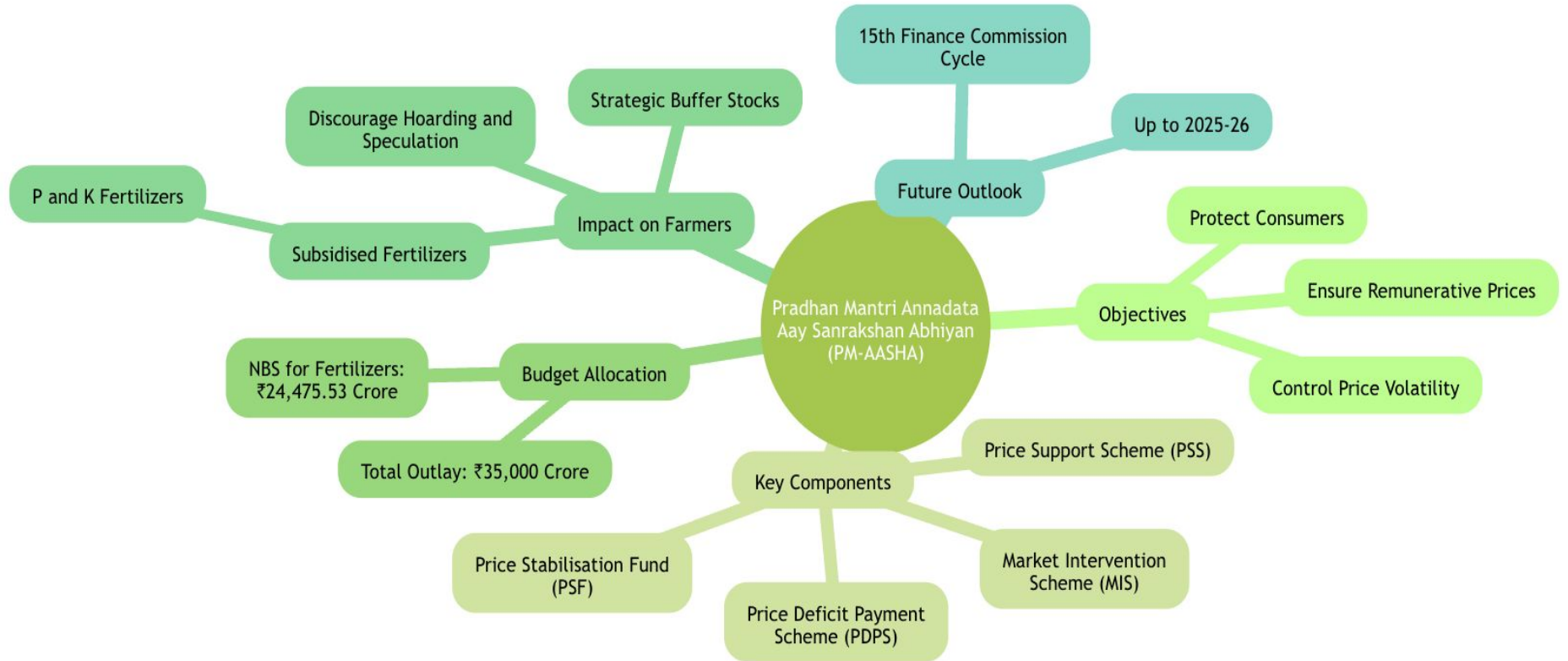
Components:

Price Support Scheme (PSS)

Price Stabilisation Fund (PSF)

Price Deficit Payment Scheme (PDPS)


Market Intervention Scheme (MIS) 




— Topic → Space Program Initiatives



Overview of Recent Space Initiatives

Chandrayaan-4 Mission 

Aim: Bring moon rocks to Earth 

Budget: ₹2,104 crore 

Launch Type: Multiple launches

Key Feature: Demonstrate lunar sample collection

Venus Orbiter Mission 

Budget: ₹1,236 crore 

Launch Date: Expected in March 2028

Significance: Second interplanetary mission after Mars Orbiter

Gaganyaan Project

Expansion to build an Indian space station

Additional funding: ₹11,170 crore 

Goal: Self-sustained space station by 2035

Next-Generation Launch Vehicle

Purpose: Place heavier payloads in orbit

Importance: Key to achieving future space station goals and lunar missions

Strategic Goals

Long-term Goals

Crewed lunar mission by 2040

Development of capabilities for space docking

Topic → Understanding Spin Currents and the Mexican Wave Analogy



Concept Overview

Mexican Wave

Propagates through medium

Sequential displacement and restoration

Spin Current

Quantum spin: intrinsic property of electrons

Flow of spin states (up/down)

Similar propagation as Mexican wave

Key Points

Electron States:

Spin up and spin down

Represents binary data (0s and 1s)

Applications:

Spintronic drives: potential for faster data storage

Energy-efficient data manipulation

Key Points

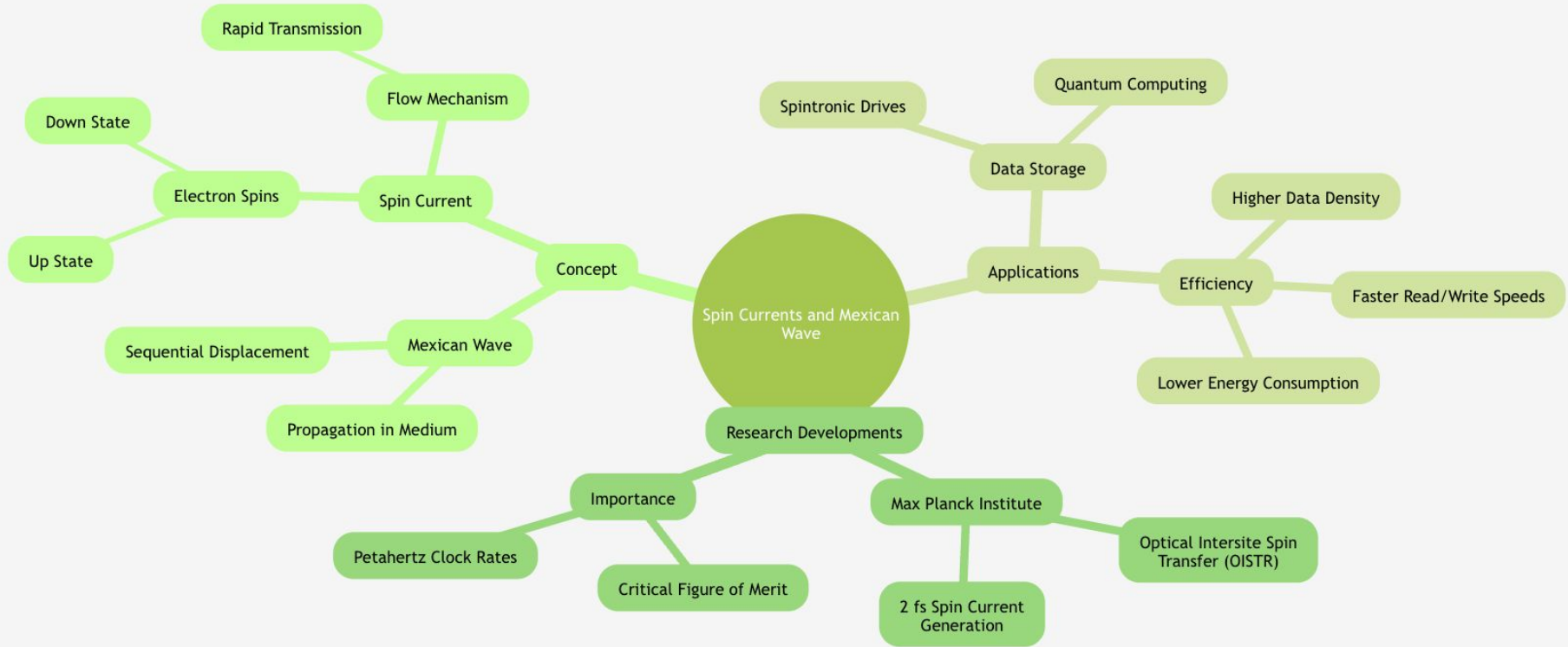
Spin Currents: Flow of electron spin states (up and down).

Mexican Wave Analogy: Propagation of spin states through a medium.

Applications in Spintronics: Data storage and manipulation using electron spins.

Future of Hard Drives: Enhanced storage, speed, and energy efficiency.

Research Advances: Techniques for rapid generation of spin currents.



-Topic→Large Language Models (LLMs)



Overview

Definition: Large language models (LLMs) are AI systems trained on vast amounts of text data.

Purpose: They are designed to understand and generate human-like text.

Key Concepts

Training Data: Utilizes large datasets for training.

Architecture: Often based on transformer architecture.

Applications: Used in chatbots, content generation, translation, etc.

Recent Developments

"Arrow of Time" Effect: LLMs excel at predicting future text rather than past text.

Quantum Computing: Enhancements in LLMs through quantum technologies.

Improvements

Long Context: Techniques that extend the attention span of LLMs for better performance in dialogues.

Embeddings: Understanding of word meanings through embeddings.

Collaboration & Efficiency

Enhanced Collaboration: Strategies for improving collaboration among LLMs for smarter solutions.

— Market Trends



Commoditization: Big AI models are being commoditized; value lies in applications.

OpenAI's New Model: Recent advancements in OpenAI's offerings and their significance.

Learning Resources

YouTube Channels: Recommended channels to master LLMs.

Applications

Agent-Based Models: Harnessing LLMs for developing agent-based models.

AI Hallucination: Google's approach to addressing AI hallucination issues.

Topic → Quad Leaders Summit 2024



Overview

Event: Fourth Quad Leaders Summit

Date: September 21, 2024

Location: Wilmington, Delaware, U.S.

Participants: Australia, India, Japan, United States

The summit is significant amidst global challenges and leadership transitions in member nations.

Key Topics

Leadership transitions

Strategic direction consolidation

Maritime domain awareness (MDA)

Indo-Pacific integration

Objectives



Reinforce Quad framework on MDA 

Discuss operationalisation of the South Asia programme

Explore potential Quad Maritime Legal Dialogue

Challenges

Leadership changes of Biden and Kishida

Past postponements of summits

Need for unified strategic direction

Goals:

Link regional security and infrastructure

Standardise regional laws

Promote a rules-based maritime order

Recent Initiatives:

Expansion of Indo-Pacific Partnership for Maritime Domain Awareness (IPMDA)

Legal Framework

Importance of UNCLOS for freedom of navigation

Consolidation of expertise in international maritime law

Serve as robust frameworks for Quad and regional nations

Information Fusion Centre - Indian Ocean Region (IFC-IOR)

Location: India

Role:

- Facilitates real-time information sharing

- Upholds freedom of navigation

- Represents coalition of nations committed to maritime order



QUAD LEADERS SUMMIT 2024



BY SAURABH PANDEY

→Quad Summit: Opportunities and Progress Tracking

Key Areas of Focus

Climate Change 

Emerging Technologies 

Infrastructure & Connectivity 

Health & Humanitarian Assistance 

Disaster Relief 

Maritime Security 

Counterterrorism 

Summit Objectives

Assess Progress 

Commit to New Initiatives 

Review Key Developments 

Open-Radio Access Network (RAN) in Palau

Space-Based Climate Warning in Mauritius

Off-Grid Solar Projects in Indo-Pacific

Quad STEM Cohort Outcomes

— Regional Security Dynamics

Geopolitical Landscape 

Increased Threats 

Conflicts in West Asia

Russia-Ukraine War

China's Assertiveness 

Need for Unified Response 

Resilience in Supply Chains 

—Economic Growth Opportunities



Regional Economic Resilience 

De-risking Strategies 

Diversified Supply Chains 

Future Governance Aspirations

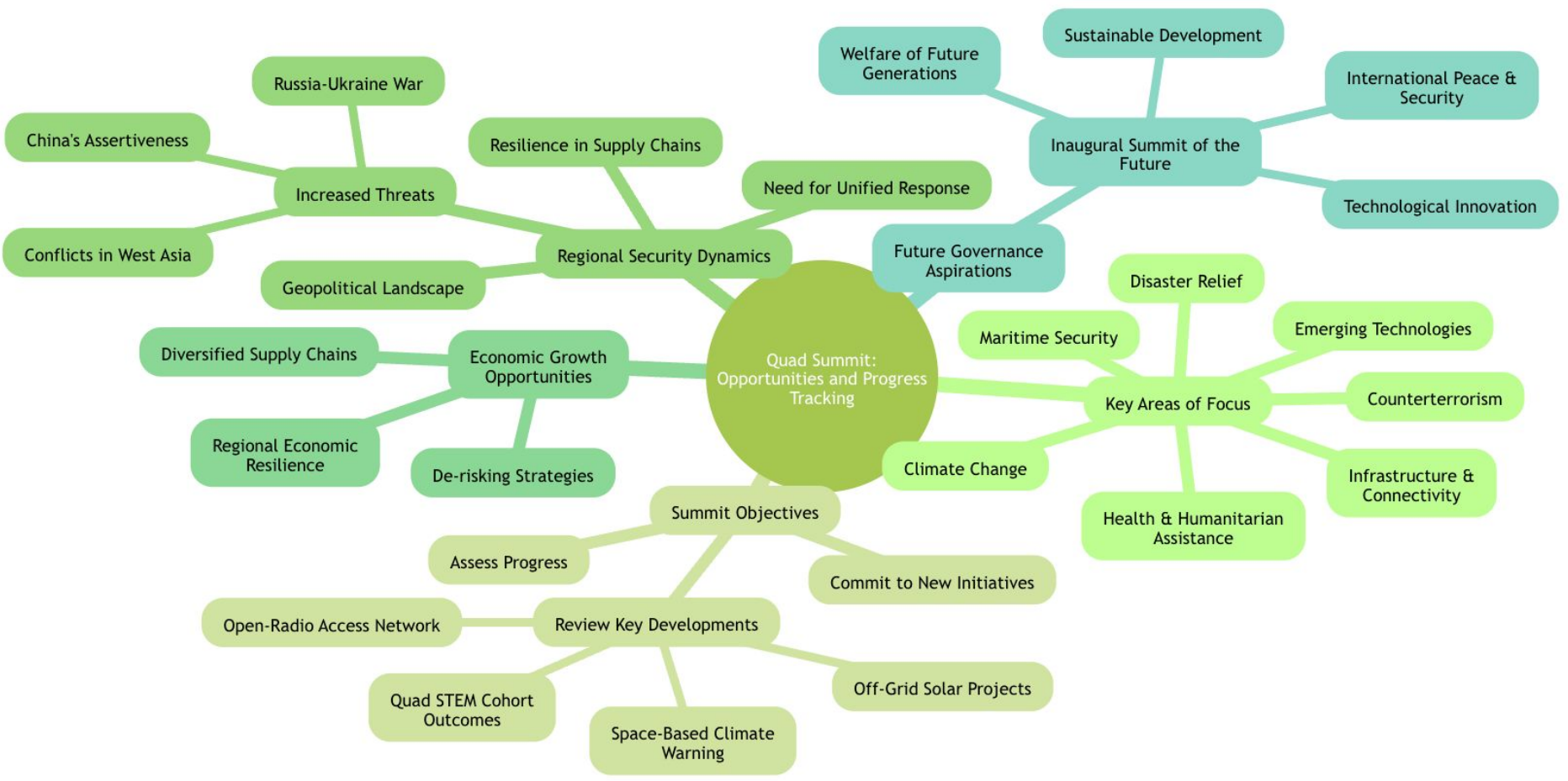
Inaugural Summit of the Future 

Sustainable Development 

International Peace & Security 

Technological Innovation 

Welfare of Future Generations



— Topic → Mazar Hydroelectric Plant in Ecuador's Las Palmas



Palmas 

Overview of Mazar Hydroelectric Plant

Location: Las Palmas, Ecuador

Significance: Key energy project in Ecuador

Functionality: Sustainable energy generation

The Mazar hydroelectric plant is crucial for addressing Ecuador's energy needs.

It plays a role in the ongoing energy crisis and sustainable development in the region.

Content on cybersecurity , disaster management and border management uploaded (BEFORE DEC MISSION)



Border management basics .pdf



Border management basics .pdf



Border management basic part 2.pdf



Border management basic part 2.pdf



Border management basic part 2.pdf



Border management basic part 2.pdf



Border-management-Advance.pdf



Border-management-Advance.pdf



Disaster and Disaster Management Basics.pdf



Disaster and Disaster Management Basics.pdf



UPSC CSE PRELIMS TEST SERIES FOR 2025



- **Total 30 tests**
- **Includes advance current affairs and static**
- **Revision PDF**



**BY SAURABH
PANDEY SIR**

ATTENTION!! BATCH FOR 2025/26
LAUNCHED

connect with sir -9057921649

**CURRENT AFFAIRS PLUS
(FOR UPSC 2025)**

INCLUDES

**2 yrs
coverage**



**BY SAURABH
PANDEY SIR**

- PIB Analysis with pdf
- Down to earth
- physics.org
- science daily
- Major newspapers
- With practice test and Mains Mock



Google Play

Games

Apps

Movies

Books

Kids



Saurabh Pandey CSE

Saurabh Pandey CSE

4.8★

77 reviews

1K+

Downloads

3+

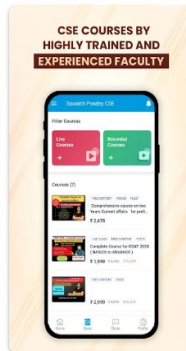
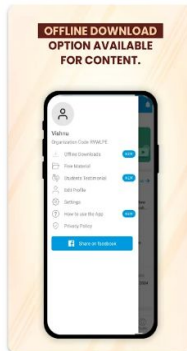
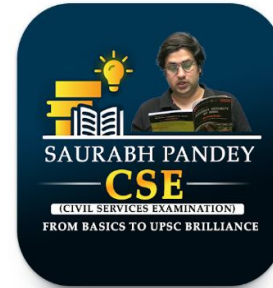
Rated for 3+

Install

Share

Add to wishlist

This app is available for your device



App support

GS PAPER 1

Connect with sir 90579 21649

Mains special

starting
10th Sep
2024

**Complete course on
Society,
globalisation,
Regionalism,
communalism
(FOR UPSC 2025/26)**



**BY SAURABH
PANDEY SIR**

Master Essay Writing

Connect with sir 90579 21649

ESSAY

- Total 50 ESSAY
- Model essay
- VIDEO lectures
- Evaluation of Essay

Starting 5th
September
2024



**BY SAURABH
PANDEY SIR**

TARGET 140+

GS PAPER 3

Connect with sir 90579 21649

Mains special

starting
10th Sep
2024

**Complete course on
Cybersecurity,
Disaster
Management and
Border management
(FOR UPSC 2025/26)**



**BY SAURABH
PANDEY SIR**

**LET'S TAKE
RIGHT
DECISION**

**LET'S
COMPLETE
THESE
MODULES
BEFORE
DECEMBER**

**BEFORE DECEMBER
MISSION**

Till 11:59 pm

GS PAPER 1
Mains special

**Complete course on
Society,
globalisation,
Regionalism,
communalism
(FOR UPSC 2025/26)**



**BY SAURABH
PANDEY SIR**

Courses to be focused



ESSAY

Society, Globalisation
Cyber security and disaster management
current affairs
Agriculture optional
Books series

COURSES

- ESSAY
- Society, Globalisation
- Cyber security and disaster management
- current affairs
- Agriculture optional
- Books series

Download
saurabh
pandey cse
app

Connect with sir
9057921649 (plz msg)

For course joining

Link given in description box of video

Or

Download saurabh pandey cse app

Or visit saurabhpandeyupsc.com and click on all courses

Connect with sir
9057921649

Target Mains -2024/25 -

Q “One nation one election will dilute representative nature of indian democracy ” Discuss

**Connect with sir
9057921649**

**send your answer - Saurabh pandey
upsc telegram channel**
