



INFOCADEMY

INFOGRAPHICS

MIND MAPS

FLOWCHARTS

TIMELINES

DARK HUMOR

LEAKS²⁰²⁷

Not the questions. The possibilities.

WEEKLY-3

SPECIAL INTENSIVE REVISION

SECTION 69A

HYDROGEN

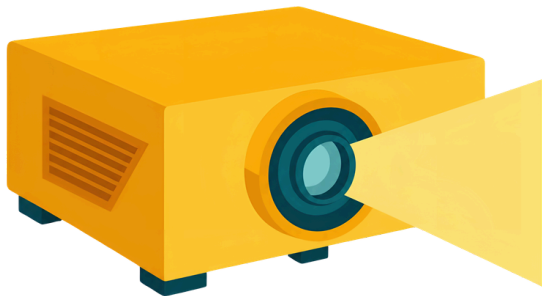
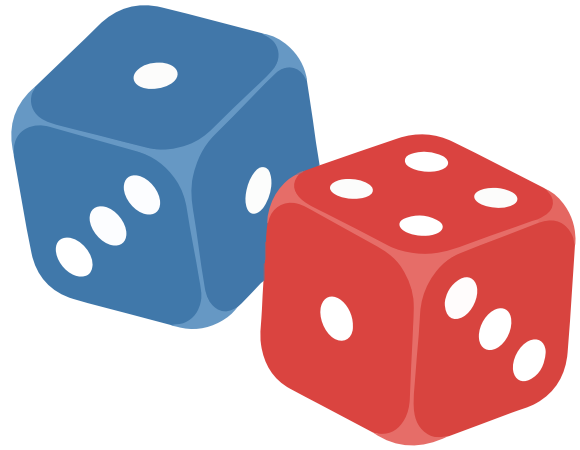
FUEL-CELL TRAIN

GEOSTATIONARY ORBIT

WHY LEAKS 2027?

PROBABILITY DRIVEN SELECTION—

AI models, including Empirical and Bayesian probability Theories, analyse the last three years' UPSC Prelims patterns to prioritise high-probability topics.



VISUAL INFOGRAPHICS—

Every topic is presented through engaging infographics to strengthen pictorial memory and improve revision.

NO INFORMATION OVERLOAD—

No lengthy stories, editorials or unnecessary research content—only what matters for UPSC Prelims.

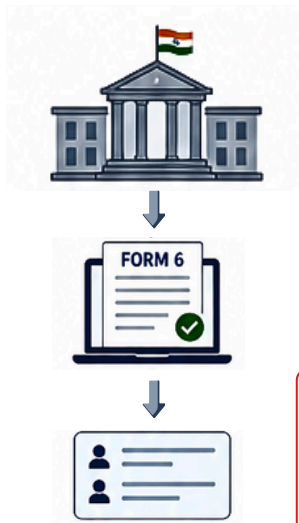


NO ONE CAN COVER 100% OF THE CURRENT AFFAIRS; IT'S WISER TO TAKE A SMALL GAMBLE BY OMITTING LOW-PROBABILITY TOPICS.

SIR

SPECIAL INTENSIVE REVISION OF ELECTORAL ROLLS

WHY IN NEWS?



ECI introduced an additional declaration in online Form 6.

Seeks applicant's linkage with electoral rolls of the previous SIR

PRELIMS ALERT

The statutory Form 6 was reportedly not formally amended.

WHAT IS

SPECIAL INTENSIVE REVISION (SIR)

It involves comprehensive, field-level verification of existing electoral rolls.

OBJECTIVES



INCLUDE

Eligible citizens



REMOVE

Ineligible entries



REMOVE

Duplicate entries



It is conducted under the supervision of the Election Commission of India (ECI)



LEGAL FRAMEWORK



REPRESENTATION OF THE PEOPLE ACT, 1950

Main law governing electoral-roll preparation and revision



REGISTRATION OF ELECTORS RULES, 1960

Prescribe registration procedures and forms



CONSTITUTIONAL BASIS

ARTICLE 324

ECI Controls:



Preparation of
Electoral Rolls



Election



ELECTORAL REGISTRATION



CITIZENSHIP

Must be an Indian citizen



AGE

Must be at least 18 years on a qualifying date



RESIDENCE

Registration is based on the place of ordinary residence

FOUR QUALIFYING DATES



NO DUPLICATE REGISTRATION

A person cannot be enrolled in multiple constituencies.

Duplicate registration is barred under Sections 17 and 18, RPA 1950.

IMPORTANT ELECTORAL FORMS

FORM 6



Inclusion of a new general elector

FORM 6A



Registration of an overseas Indian elector.

FORM 6B



Submission of Aadhaar information for roll authentication

FORM 7



Objection to inclusion or request for deletion

FORM 8



Correction, address shifting or replacement of EPIC



WHO PERFORMS VERIFICATION?



ERO

Electoral Registration Officer
Legal authority for constituency electoral rolls.



AERO

Assistant ERO
Assists the Electoral Registration Officer



BLO

Booth Level Officer
Undertakes ground-level residence verification



Claims and objections may require hearings before the ERO or AERO



Appeals against revision-period orders lie with the District Election Officer.

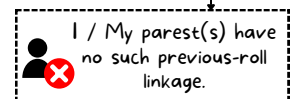
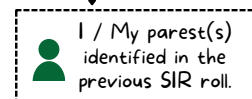
FORM 6 CONTROVERSY

ONLINE FORM 6



Included a separate declaration on previous SIR linkage.

Applicants could indicate:



PHYSICAL FORM 6



The additional declaration wasn't present in the downloadable physical form.

LEGAL NOTICE

Central Government notifies electoral-registration rules under **Section 28, RPA 1950.**

SECTION 69A OF IT ACT, 2000

WHY IN NEWS



Film "Satluj" reportedly faced OTT blocking under Section 69A.



Telegram was temporarily blocked nationwide in June 2026.



Both cases highlighted government powers over digital content and platforms



WHAT IS SECTION 69A?

Power to block public digital access



CENTRAL
GOVERNMENT



ISSUES BLOCKING
ORDER



BLOCK PUBLIC ACCESS TO
ONLINE INFORMATION

GROUND FOR BLOCKING



1. Sovereignty and integrity of India.



2. Defence of India



3. Security of the State.



4. Friendly relations with foreign States.



5. Public order



6. Preventing incitement to related cognisable offences.

- Specially authorised Central officers may also issue blocking directions.
- Directions may target government agencies or online intermediaries.
- Blocking reasons must be recorded in writing.

NON-COMPLIANCE



Up to
7 Years
Imprisonment + Fine

BLOCKING PROCEDURE

Procedure follows the Blocking Rules, 2009.

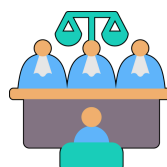
RULE 7
COMMITTEE



Examines requests & recommends appropriate action



RULE 8
ORDINARY PROCEDURE



Ordinary blocking procedure, generally involving a hearing.



RULE 9
EMERGENCY PROCEDURE



Emergency blocking before completing the ordinary procedure.



REVIEW COMMITTEE



Reviews compliance with Section 69A.

TELEGRAM BLOCKING CASE, 2026

CASE TIMELINE

- 1 NTA reported Telegram's misuse in NEET-UG examination fraud
- 2 The Rule 7 Committee heard Telegram
- 3 Temporary platform-wide restriction confirmed.
- 4 Delhi High Court upheld the order on 19 June 2026



WHY WAS THE TELEGRAM JUDGMENT SIGNIFICANT?

RELATED PROVISIONS

SECTION 69



SECTION 69A



Blocking public access.

SECTION 2(1)(v)
defines "information" broadly

- Includes Data
- Includes Codes
- Includes Programmes
- Includes Software
- Includes Databases



COURT'S VIEW



Delhi High Court treated an application itself as "information"



Therefore, **Section 69A** can cover an entire digital platform.



The Court considered the temporary block proportionate and narrowly timed.

SHREYA SINGHAL CASE

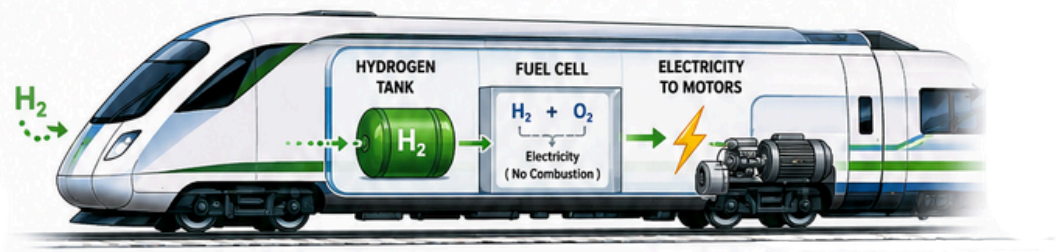


Section 66A struck down;
Section 69A upheld.



HYDROGEN FUEL-CELL TRAIN

WHY IN NEWS?



India's first indigenous hydrogen train began operations on 17 July 2026.



It operates on the Jind-Sonapat section of Northern Railway.

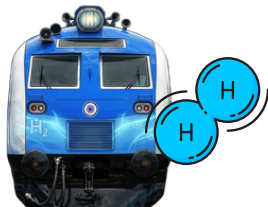


It generates electricity onboard without diesel combustion.



No diesel combustion

WHAT IS A HYDROGEN FUEL-CELL TRAIN?

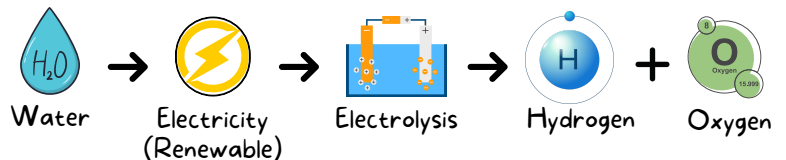


- Electric train powered by hydrogen fuel cells
- Hydrogen = Energy Carrier (Not a primary energy source)
- Fuel cells convert chemical energy directly into electrical energy.
- By-products
Water & Heat



HYDROGEN PRODUCTION

Green hydrogen is produced through electrolysis at Jind.



KEY OBJECTIVES

REDUCE DIESEL USE



Less dependence on fossil fuels

RAILWAY DECARBONISATION



Cleaner, greener rail transport

SUPPORTS NET-ZERO INDIA 2070

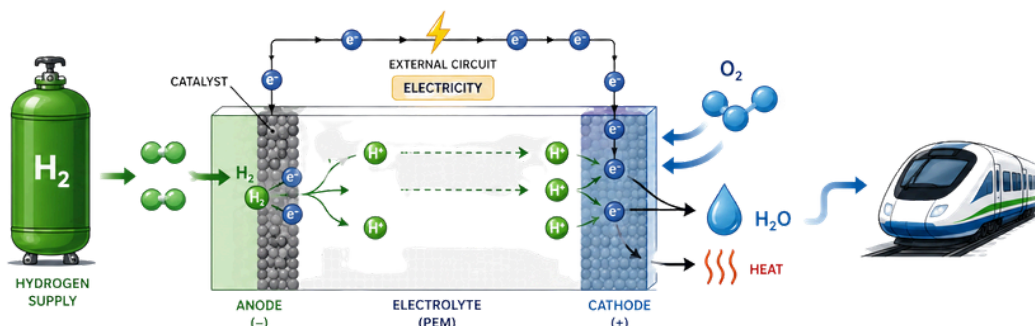


Contributes to India's climate commitments



HOW DOES THE FUEL CELL WORK?

- 1 Hydrogen enters the fuel cell (at anode)
- 2 Catalyst separates hydrogen into H^+ (Protons) & e^- (Electrons)
- 3 Electrons move through external circuit (Electricity Generated)
- 4 H^+ (Protons) cross the electrolyte towards the cathode
- 5 Oxygen enters from air
- 6 Water + Heat Produced
- 7 Generated electricity powers the train's traction motors



GEO

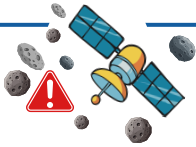
Geostationary Orbit



WHY IN NEWS?

Previously untracked **small debris fragments** detected in geostationary orbit.

May increase **collision risks** for operational satellites



CONDITIONS REQUIRED FOR GEO

1 CIRCULAR

Orbital eccentricity must be zero



2 EQUATORIAL

Orbital inclination must be zero



3 SYNCHRONOUS

Orbital period equals Earth's rotational period



WHAT IS GEOSTATIONARY ORBIT?

GEO = Geostationary Earth Orbit



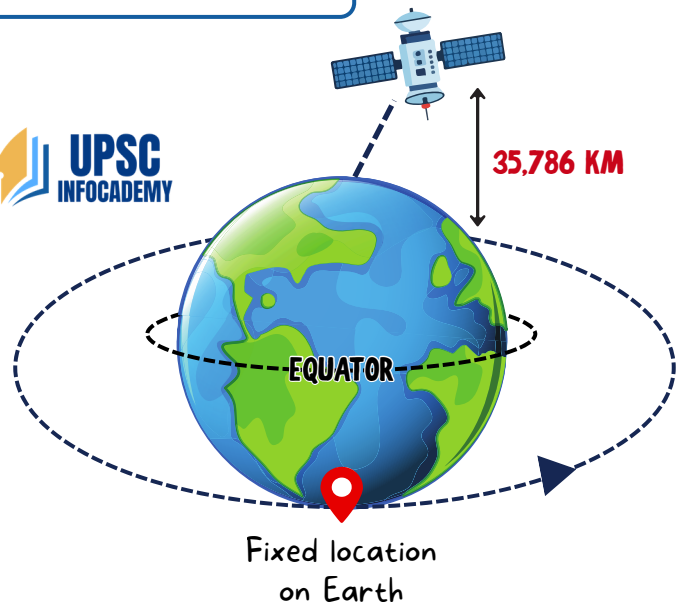
A satellite in GEO:

- Appears stationary over one fixed location on Earth.
- Orbits approximately **35,786 km** above the equator.
- Takes **one sidereal day** to complete one orbit.
- Moves **west** → **east**, matching Earth's rotation



ONE SIDEREAL DAY

= 23 h 56 min 4 sec



GEOSYNCHRONOUS ORBIT vs GEOSTATIONARY ORBIT

FEATURE	GEOSYNCHRONOUS ORBIT (GSO)	GEOSTATIONARY ORBIT (GEO)
Orbit Period	Earth's rotation	Earth's rotation
Orbit Shape	Circular or elliptical	Must be circular
Inclination	May be inclined	Must be equatorial
Appearance (From Earth)	May trace a figure-8	Appears fixed
Key idea	Same orbital period	Same period + fixed position

APPEARANCE FROM EARTH

GSO (May trace figure-eight)



GEO (Appears Fixed)



INDIAN ASSOCIATION

India's INSAT-GSAT system uses geostationary satellite



INSAT-3D

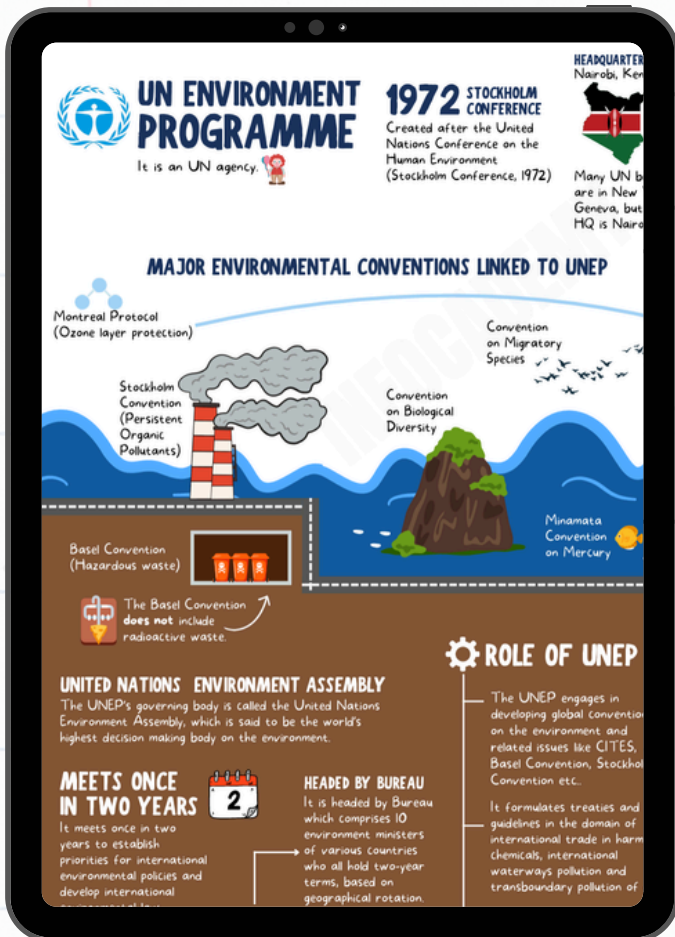
Indian geostationary weather satellite



GSAT-30

Provides communication services from GEO

INFO-NOTES



90% of the Static portion is covered.



History, Polity, Economy, Geography and Environment.



All topics will be covered in Infographic Format.



1000+ Slides

CLICK HERE TO ENROLL

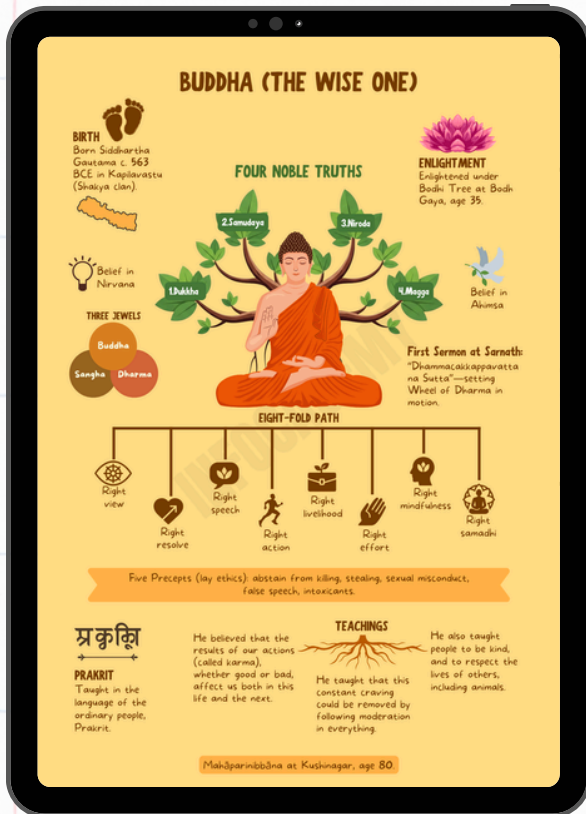


ENROLL NOW



Let's make this journey a little easier!

INFO-NOTES



90% of the Static portion is covered.



History, Polity, Economy, Geography and Environment.



All topics will be covered in Infographic Format.



1000+ Slides

CLICK HERE TO ENROLL



ENROLL NOW



Let's make this journey a little easier!